REMEDIAL ACTION WORK PLAN

160 LEROY STREET
NEW YORK, NEW YORK

E-DESIGNATION NO. E-332

NYC VCP PROJECT NO. 15CVCP154M

OER PROJECT NO. 15EH-N227M

Prepared For:

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Plan
C&D	Construction and Demolition
CEQR	City Environmental Quality Review
CFR	Code of Federal Regulations
CHASP	Construction Health and Safety Plan
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering Controls and Institutional Controls
ELAP	Environmental Laboratory Approval Program
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations Emergency Response
IRM	Interim Remedial Measure
BCA	Brownfield Cleanup Agreement
MNA	Monitored Natural Attenuation
NOC	Notice of Completion
NYSDEC	New York State Department of Environmental Conservation
NYCDEP	New York City Department of Environmental Protection
NYCDOHMH	New York State Department of Health and Mental Hygiene
NYCOER	New York City Office of Environmental Remediation
NYCVCP	New York City Voluntary Cleanup Program
NYCRR	New York Codes Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation

NYSDOH	New York State Department of Health
NYSDOT	New York State Department of Transportation
ORC	Oxygen-Release Compound
OSHA	United States Occupational Health and Safety Administration
PCBs	Polychlorinated Biphenyls
PE	Professional Engineer
PID	Photo Ionization Detector
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan or Plan
RCA	Recycled Concrete Aggregate
RD	Remedial Design
RI	Remedial Investigation
RMZ	Residual Management Zone
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SSDS	Sub-Slab Depressurization System
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Jason J. Hayes, am currently a registered professional engineer licensed by the State of New York. I performed professional engineering services and had primary direct responsibility for designing the remedial program for the 160 Leroy Street Site (Block 601, Lot 10) (OER Project Number 15EH-N227M). I certify to the following:

- I have reviewed this document, to which my signature and seal are affixed.
- Engineering Controls developed for this remedial action were designed by me or a person under my direct supervision and they achieve the goals established in this Remedial Action Plan (RAWP) for this Site.
- The Engineering Controls to be constructed during this remedial action are accurately reflected in the text and drawings of the RAWP and are of sufficient detail to enable proper construction.
- This RAWP has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-Site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

_____
Name

_____
NYS PE License Number

_____
Signature

_____
Date

PE Stamp

EXECUTIVE SUMMARY

160 Leroy, LLC, c/o Gorton & Partners, LLC, (the Owner) is working with the NYC Office of Environmental Remediation (OER) to remediate a 28,400-square foot site located at 160 Leroy Street in Manhattan, New York. A remedial investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP). The remedial action described in this document provides for the protection of public health and the environment consistent with the intended property use, complies with applicable environmental standards, criteria and guidance and conforms with applicable laws and regulations.

Site Location and Current Usage

The Site is located in the West Village neighborhood of Manhattan and is identified as Lot 10 (formerly Lots 1, 4, 5, 8, and 10) of Block 601 on the New York City Tax Map. The five former tax lots comprising the Site were merged into a single lot (Lot 10) as part of proposed redevelopment. The Site is bound by Leroy Street to the north, Lot 12 (asphalt-paved parking lot) and Lot 13 (two- and three-story commercial building) of Block 601 to the east, Clarkson Street to the south, and West Street to the west. The Hudson River is across West Street, to the west of the Site. The Site encompasses an area of about 28,400 square feet.

The Site was comprised of five tax lots at the time of the RI which were merged into a single tax lot (Lot 10) that is the subject of the proposed redevelopment. A brief description and current use of each of the five former lots is provided below:

Former Lot 1:

- Two-story slab-on-grade building occupied by a night club at 75-77 Clarkson Street;
- One-story building with a basement occupied by a cabaret establishment at 354 West Street; and

- Two-story building occupied by a ground floor automobile repair garage with an office and storage space on the second story at 356 West Street. The buildings at 354 West Street and 356 West Street share a common basement.

Former Lot 4:

- One-story vacant and dilapidated building that was formerly used as a restaurant at 357 West Street. A wooden patio area and open space are present in the rear and side of the building, respectively.

Former Lot 5:

- Three-story building with a ground-floor hardware store at 358 West Street. The second and third stories of the building are currently under renovation for use as commercial space.

Former Lot 8:

- One-story vacant building with a second story addition in the rear of the building and a partial basement at 359-361 West Street and 160-162 Leroy Street. The building was formerly occupied by an automobile repair garage, car wash and oil change shop. The second story addition is a vacant residential apartment.

Former Lot 10:

- There is a two-story vacant building at 156-158 Leroy Street formerly occupied by a pasta manufacturing facility with office space on the second story.

Summary of Proposed Redevelopment Plan

The new development project is in design development and is anticipated to consist of a new fourteen-story mixed-use residential and commercial building with a cellar. The elevation of the first floor will be about 6 feet above existing grade to comply with the new advisory base flood elevations (ABFEs) published by the Federal Emergency Management Agency (FEMA) in

response to Tropical Storm Sandy. The cellar is anticipated to be used for parking (about 6,000 square feet), bicycle storage, tenant storage, amenities, including a laundry room and spa/fitness room, and mechanical equipment and building services. The first floor is anticipated to include an entrance/lobby, commercial retail space, amenities, including a pool, a driveway/cul-de-sac, a loading dock, mechanical equipment and building services, and an outdoor terrace/garden. Residential units will consist of a mix of 1-bedroom to 7-bedroom units and will be located on the second to twelfth floors. Mechanical equipment will be housed on the thirteenth and fourteenth floors. The thirteenth floor will also include an outdoor terrace.

The new development will require the demolition of all existing buildings and excavation to about el. –2± feet (NAVD88[1]) (about 9 to 12 feet below existing grade) to accommodate the cellar. Locally deeper excavation will be required to accommodate the deep pile foundation system. Foundation excavation depths are approximate and may vary by 1 to 2 feet based on practicality due to integrity of adjacent structures and/or dewatering. Dewatering will be required to construct the building's foundation. The remedial action contemplated under this RAWP may be implemented independently of the proposed redevelopment plan.

Summary of Environmental Findings

1. Elevation of the Site ranges from about el. 7 to about el 10.5.
2. Depth to groundwater ranged from about 7 to 13 feet below first floor grade surface based on gauging of the five groundwater monitoring wells. Regional groundwater flow is generally from east to west, in the direction of the Hudson River.
3. Bedrock was not encountered during the RI. Borings extended to a maximum depth of 18 feet bgs.
4. The geophysical survey did not identify anomalies consistent with USTs. Borings were relocated as necessary to avoid subsurface utilities and minor anomalies.

[1] National Vertical Datum of 1988. Datum refers to the National Vertical Datum of 1988 (NAVD88) which is approximately 1.1 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

5. The stratigraphy, from the surface down, consists of up to 13 feet of historic fill underlain by native material mainly consisting of fine- to coarse-grained sandy and silty soil with some gravel, cobbles, and clay.
6. Fourteen soil samples were collected and analyzed during the RI. Soil/fill sample results were compared to Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375-6.8 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCOs). Soil samples exhibited no VOC concentrations exceeding their Unrestricted Use SCOs. Concentrations of nine SVOCs exceeded their Unrestricted Use SCOs, with six SVOCs also exceeding their Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375-6.8(b) Restricted Use Restricted-Residential SCOs, including benzo(a)anthracene (max of 4 mg/kg), benzo(a)pyrene (max of 4.2 mg/kg), benzo(b)fluoranthene (max of 8.3 mg/kg), chrysene (max of 4.6 mg/kg), dibenzo(a,h)anthracene (max of 1.4 mg/kg), and indeno(1,2,3-cd)pyrene (max of 5.9 mg/kg). The maximum concentrations of all SVOCs exceeding their Restricted-Residential SCOs were found at soil boring SB-6 (0 to 2 feet bgs). Concentrations of total SVOCs ranged from non-detect to 56.24 mg/kg (SB-6 [0 to 2 feet bgs]). Concentrations of nine metals exceeded their Unrestricted Use SCOs, with six metals also exceeding their Restricted-Residential SCOs including arsenic (max of 65 mg/kg), barium (max of 1,100 mg/kg), cadmium (max of 7.7 mg/kg), copper (max of 4,700 mg/kg), lead (max of 5,700 mg/kg), and mercury (max of 5.6 mg/kg). The maximum concentrations of all metals exceeding Restricted-Residential SCOs were found at boring SB-6 (0 to 2 feet bgs), a hotspot area, with the exception of barium (maximum concentration found at boring SB-5 (6 to 7 feet bgs). Concentrations of the pesticides 4,4'-DDD (max of 0.0168 mg/kg), 4,4'-DDE (max of 0.0988 mg/kg), and 4,4'-DDT (max of 0.272 mg/kg) exceeded their Unrestricted Use SCO of 0.0033 mg/kg, with all maximum detected pesticide concentrations occurring in soil sample SB-6 (0 to 2 feet bgs). No pesticides were detected above their Restricted-Residential SCOs. No herbicides or PCBs were detected above their Unrestricted Use SCOs. Overall, the soil results were consistent with data identified at sites with shallow historic fill material in New York City with the exception of a hotspot for metals and SVOCs identified at soil boring SB-6.

7. PCBs, pesticides, or herbicides were not detected in groundwater. Three VOCs, including benzene (max of 11 micrograms per liter [µg/L]), naphthalene (max of 77 µg/L), and toluene (max of 5.4 µg/L) exceeded their respective NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA waters at monitoring wells MW-4 and/or MW-5. Seven SVOCs, including benzo(a)anthracene (max of 3.5 µg/L), benzo(a)pyrene (max of 3.3 µg/L), benzo(b)fluoranthene (max of 3.2 µg/L), benzo(k)fluoranthene (max of 3.2 µg/L), chrysene (max of 3.1 µg/L), indeno(1,2,3-cd)pyrene (max of 3.4 µg/L), and phenol (max of 27 µg/L), were detected at concentrations exceeding their TOGS SGVs at monitoring wells MW-4 and/or MW-5. Six metals, including antimony (max of 19.7 µg/L), iron (max of 5,180 µg/L), lead (max of 82.9 µg/L), magnesium (max of 60,300 µg/L), manganese (max of 2,686 µg/L), and sodium (max of 587,000 µg/L) were detected at total concentrations exceeding their TOGS SGVs in one or more unfiltered samples. Five metals, including antimony (max of 22.2 µg/L), iron (max of 6,020 µg/L), magnesium (max of 54,200 µg/L), manganese (max of 2,668 µg/L), and sodium (max of 553,000 µg/L) were detected at dissolved concentrations exceeding their TOGS SGVs in one more filtered samples.
8. Soil vapor samples collected during the RI were compared to the concentrations listed in Table 3.1 Air Guideline Values Derived By The NYSDOH, published in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor samples collected during the RI showed low levels of petroleum-related VOCs and elevated levels of one chlorinated VOC. The total concentration of petroleum-related VOCs (BTEX) ranged from 18 µg/m^3 to 305 µg/m^3. One chlorinated VOC, tetrachloroethene (PCE), was detected above its New York State Department of Health (NYSDOH) Air Guidance Value (AGV) of 30 micrograms per cubic meter (µg/m^3) at a sub-slab concentration of 138 µg/m^3 at SV-7. No other VOCs exceeded their NYSDOH AGVs in soil vapor samples. This sub-slab concentration of PCE requires monitoring per the NYSDOH Soil Vapor/Indoor Air Matrix 2, dated October 2006.

Summary of the Remedy

The proposed remedial action achieves protection of public health and the environment for the intended use of the property. The proposed remedial action achieves all of the remedial action objectives established for the project and addresses applicable standards, criterion, and guidance; is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants; is cost effective and implementable; and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYCVCP Citizen Participation activities according to an approved Citizen Participation Plan;

2. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations;

3. Establishment of Site Specific Track 4 Soil Cleanup Objectives (SCOs);

4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;

5. Completion of a waste characterization study prior to excavation activities. A waste characterization study was performed in March 2015 and a supplemental waste characterization study will be performed before mass excavation (see Section 4.2 for further details);

6. Performance of additional hazardous lead delineation sampling. Lead concentrations exceeding the 40 CFR 261.24 – Maximum Concentration for the Toxicity Characteristic (5.0 milligrams per liter [mg/L]) were detected in Cells E and F within the south central portion of the Site, from 0 to 6 feet bgs;

7. Excavation and removal of soil/fill exceeding Track 4 Site-Specific SCOs. Site soil and/or fill includes a layer of historic fill overlying native soil and contains areas of petroleum contamination and hazardous-lead waste with a shallow hotspot identified at RI boring SB-6. Excavation for construction of the new building's cellar level will extend to a minimum depth of about 9 to 12 feet bgs (el. -2 feet) across about 90% of the Site (about 25,670 square feet), with portions of the excavation extending to about 13 to 16 feet bgs (el. -6 feet) to accommodate deeper foundation elements and the elevator pits. Foundation excavation depths are approximate and may vary by 1 to 2 feet based on practicality due to integrity of adjacent structures and/or dewatering. About 6% of the Site (about 1,580 square feet) will be partially excavated and sloped to install support of excavation (SOE) and foundation elements. As part of a composite cover system installation, about 2% of the Site (about 670 square feet) will be excavated to about 2 feet bgs for placement of clean fill and about 2% of the Site (about 440 square feet) will remain unexcavated and be covered with concrete. About, 15,000 tons of soil/fill material will be excavated and removed from the Site;

8. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID);

9. Management of excavated materials including temporarily stockpiling and segregating to prevent comingling of contaminated material and non-contaminated materials;

10. Removal of underground storage tanks (USTs) (if encountered) and closure of petroleum spills (if encountered) in compliance with applicable local, state and federal laws and regulations;

11. Transportation and off-site disposal of soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media on-site;

12. Collection and analysis of 18 documentation soil samples to determine the performance of the remedy with respect to the SCOs;

13. Demarcation of residual soil/fill in landscaped areas;

14. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations;

15. Installation of a vapor barrier system beneath the building slab as well as around foundation sidewalls of the proposed building below grade. The vapor barrier will consist of Grace Preprufe® 300R and 160R high-density polyethylene (HDPE) waterproofing membranes;

16. Construction and maintenance of an engineered composite cover consisting of 4-inch thick concrete or cobble-paved walkways and driveways underlain by gravel and/or cementitious mortar bedding, landscaped areas consisting of minimum 2 feet of clean imported soil, and a 16-inch thick concrete hydrostatic building slab installed 2 feet below the groundwater table to prevent human exposure to residual soil/fill remaining under the new building;

17. Construction and operation of a ventilated parking garage as per New York City Mechanical Code, Chapter 4;

18. Performance of dewatering in compliance with applicable laws and regulations. Dewatering is required and dewatering permits will be obtained from NYCDEP prior to construction activities;

19. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations;

20. Submission of a Remedial Action Report (RAR) that describes the completed remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, lists any changes from this RAWP, and describes all Engineering and Institutional Controls to be implemented at the Site;

21. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency; and

22. Continued E-Designation registration at the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls in this RAWP and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment that renders it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

COMMUNITY PROTECTION STATEMENT

NYC VOLUNTARY CLEANUP PROGRAM

160 LEROY STREET

NYC VCP PROJECT NUMBER: 15CVCP154M

Affiliation	Name	Phone	Email address
OER Project Manager	Amanda Duchesne	212-788-8841	aduchesne@dep.nyc.gov
Site Project Manager	Gerry Nicholls	212-479-5559	gnicholls@langan.com
Consultant	Langan D.P.C.	212-479-5400	mburke@langan.com
Property Owner	160 Leroy, LLC, c/o Gorton & Partners, LLC	212-768-7070	rdelsavio@gortonpartners.com
Construction Manager	Tishman	212-708-6800	Eric.Reid@aecom.com
Document Repository	NYPL - Hudson Park Library 66 Leroy Street NY, NY 10014	212-243-6876	mirandamurray@nypl.org
nyc.gov/oer	http://www.nyc.gov/html/oer/html/repository/RManhattan.shtml		

COMMUNITY PROTECTION STATEMENT

The NYC Office of Environmental Remediation (OER) provides governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan (the cleanup plan) describes the findings of prior environmental studies that show the location of contamination at the Site, and describes the plans to clean up the Site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities and also includes many other elements that address common community concerns, such as community air monitoring, odor, dust and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Remedial Investigation and Cleanup Plan**:** Under the oversight of the NYCOER, a thorough cleanup study of this property (called a remedial investigation) was performed to identify past property usage, to sample and test soil, groundwater, and soil vapor, and identify contaminant sources present on the property. The cleanup plan was designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses**:** Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment**:** An important part of the cleanup planning for the Site is the performance of a study to find all of the ways that people might come in contact with contaminants at the Site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment considered all known contamination at the Site and evaluated the potential for

people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Health and Safety Plan**:** This cleanup plan includes a Construction Health and Safety Plan (CHASP) that is designed to protect community residents and on-Site workers. The elements of this plan are in compliance with safety requirements of the United States Occupational Safety and Health Administration (OSHA). This plan includes many protective elements including those discussed below.

Site Safety Coordinator**:** This project has a designated Site safety coordinator to implement the CHASP. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site safety coordinator is identified at the beginning of the Community Protection Statement.

Worker Training**:** Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan**:** Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan (CAMP). Results will be regularly reported to the NYC Office of Environmental Remediation. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a contingency plan).

Odor, Dust and Noise Control**:** This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-Site odor and dust nuisances and include steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with NYC noise control standards. If you observe problems in these

areas, please contact the on-Site Project Manager or NYC Office of Environmental Remediation Project Manager listed on the first page of this Community Protection Statement document.

Quality Assurance**:** This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be summarized in the final report (called the remedial action report). This report will be submitted to the NYC Office of Environmental Remediation and will be thoroughly reviewed.

Storm-water Management**:** To limit the potential for soil erosion and discharge, this cleanup plan has provisions for storm-water management. The main elements of the storm-water management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation**:** The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency. For this cleanup project, the hours of operation will conform to requirements of Department of Buildings and will be conveyed to OER before the start of the remedial action.

Signage**:** While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYC Voluntary Cleanup Program, provides project contact names and numbers, and locations of project documents can be viewed.

Complaint Management**:** The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager, the NYC Office of Environmental Remediation Project Manager listed on the first page of this Community Protection Statement document, or call 311 and mention the Site is in the NYC Voluntary Cleanup Program.

Utility Mark-outs**:** To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

Soil and Liquid Disposal**:** All soil and liquid material removed from the Site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State and Federal regulations and required permits will be obtained.

Soil Chemical Testing and Screening**:** All excavations will be supervised by a trained and properly qualified environmental professional(s). In addition to extensive sampling and chemical testing of soil on the Site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management**:** Soil stockpiles will be kept covered with tarps to prevent dust, odors, and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed to protect storm water catch basins and other discharge points.

Trucks and Covers**:** Loaded trucks leaving the Site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with all laws and regulations.

Imported Material**:** All fill materials proposed to be brought onto the Site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on-Site. Waste materials will not be brought onto the Site. Trucks entering the Site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination**:** All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the Site. Trucks will be cleaned at a truck inspection station on the property before leaving the Site.

Housekeeping**:** Locations where trucks enter or leave the Site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the Site.

Truck Routing**:** Truck routes have been selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-Site line-ups (queuing) of trucks entering the property. Operators of loaded trucks leaving the Site will be instructed not to stop or idle in the local neighborhood.

Final Report**:** The results of all cleanup work will be fully documented in a final report (called a remedial action report) that will be available for public review online. A link to the online document repository and the public library with Internet access nearest the Site are listed on the first page of this Community Protection Statement document

Long-Term Site Management**:** If long-term protection after the cleanup is needed, the property owner will be required to comply with an ongoing Site Management Plan (if Track 1 is not achieved) that calls for continued inspection of protective controls, such as Site covers. The Site Management Plan is evaluated and approved by the NYC Office of Environmental Remediation. Requirements that the property owner must comply with are established through a city environmental designation. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

REMEDIAL ACTION WORK PLAN

1.0 PROJECT BACKGROUND

160 Leroy, LLC, c/o Gorton & Partners, LLC, (the Owner) is working with the Office of Environmental Remediation (OER) to remediate a property located at 160 Leroy Street in the West Village section of Manhattan, New York (the "Site"). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the Site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides a remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located in the West Village neighborhood of Manhattan and is identified as Lot 10 (formerly Lots 1, 4, 5, 8, and 10) of Block 601 on the New York City Tax Map. The five former tax lots comprising the Site were merged into a single lot (Lot 10) as part of proposed redevelopment. The Site is bound by Leroy Street to the north, Lot 12 (asphalt-paved parking lot) and Lot 13 (two- and three-story commercial building) of Block 601 to the east, Clarkson Street to the south, and West Street to the west. The Hudson River is across West Street to the west of the Site. The Site encompasses an area of about 28,400 square feet. A Site Location Map is presented as Figure 1.

The Site was comprised of five tax lots at the time of the RI which were merged into a single tax lot (Lot 10) that is the subject of the proposed redevelopment. A Site Plan, displaying the current layout of the Site, is presented as Figure 2. A brief description and current use of each of the five former lots is provided below:

Former Lot 1:

- Two-story slab-on-grade building occupied by a night club at 75-77 Clarkson Street;
- One-story building with a basement occupied by a cabaret establishment at 354 West Street; and
- Two-story building occupied by a ground floor automobile repair garage with an office and storage space on the second story at 356 West Street. The buildings at 354 West Street and 356 West Street share a common basement.

Former Lot 4:

- One-story vacant and dilapidated building that was formerly used as a restaurant at 357 West Street. A wooden patio area and open space are present in the rear and side of the building, respectively.

Former Lot 5:

- Three-story building with a ground-floor hardware store at 358 West Street. The second and third stories of the building are currently under renovation for use as commercial space.

Former Lot 8:

- One-story vacant building with a second story addition in the rear of the building and a partial basement at 359-361 West Street and 160-162 Leroy Street. The building was formerly occupied by an automobile repair garage, car wash and oil change shop. The second story addition is a vacant residential apartment.

Former Lot 10:

- There is a two-story vacant building at 156-158 Leroy Street formerly occupied by a pasta manufacturing facility with office space on the second story.

1.2 PROPOSED REDEVELOPMENT PLAN

The new development project is in design development and is anticipated to consist of a new fourteen-story mixed-use residential and commercial building with a cellar. The elevation of the first floor will be about 6 feet above existing grade to comply with the new advisory base flood elevations (ABFEs) published by the Federal Emergency Management Agency (FEMA) in response to Tropical Storm Sandy. The cellar is anticipated to be used for parking (about 6,000 square feet), bicycle storage, tenant storage, amenities, including a laundry room and spa/fitness room, and mechanical equipment and building services. The first floor is anticipated to include an entrance/lobby, commercial retail space, amenities, including a pool, a driveway/cul-de-sac, a loading dock, mechanical equipment and building services, and an outdoor terrace/garden. Residential units will consist of a mix of 1-bedroom to 7-bedroom units and will be located on the second to twelfth floors. Mechanical equipment will be housed on the thirteenth and fourteenth floors. The thirteenth floor will also include an outdoor terrace. A plan view of the proposed redevelopment is included as Figure 3.

The new development will require the demolition of all existing buildings and excavation to about el. –2± feet (NAVD88[2]) (about 9 to 12 feet below existing grade) to accommodate the cellar. Locally deeper excavation will be required to accommodate the deep pile foundation system. Foundation excavation depths are approximate and may vary by 1 to 2 feet based on practicality due to integrity of adjacent structures and/or dewatering. Dewatering will be required to construct the building's foundation. The remedial action contemplated under this RAWP may be implemented independently of the proposed redevelopment plan. The proposed development plans are included as Appendix A.

[2] National Vertical Datum of 1988. Datum refers to the National Vertical Datum of 1988 (NAVD88) which is approximately 1.1 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The Site is located in an area generally characterized by multi-story residential and commercial buildings in zoning districts designated for commercial, residential and manufacturing uses, which are summarized in the following table:

DIRECTION	ADJOINING PROPERTIES	SURROUNDING PROPERTIES
North	Leroy Street	Multiple-story residential and commercial buildings
East	An asphalt parking lot and a two- and three-story commercial building	Washington Street
South	Clarkson Street	Multiple-story residential and commercial buildings and a private gasoline filling station to the southeast
West	West Street	Pier 40, Hudson River Park, and the Hudson River

Nearby sensitive receptors include a school and daycare centers. Public School 003 (The Charrette School) is located about 0.25 miles northeast of the Site at 490 Hudson Street. The nearest hospital is the New York Eye and Ear Infirmary of Mount Sinai, located about 1.29 miles to the east at 218 Second Avenue. There are four nearby daycare centers:

- Barrow Street Nursery School, 27 Barrow Street (about 0.38 miles northeast of the Site);
- Downing Street Playgroup, Inc., 32 Carmine Street (about 0.38 miles east of the Site);
- St. Anthony's School, 60 MacDougal Street (about 0.44 miles southeast of the Site); and
- St. Margaret of Cortona, 30 Charlton Street (about 0.37 miles southeast of the Site).

Figure 4 shows the surrounding land usage and nearby sensitive receptors.

1.4 SUMMARY OF PAST SITE USES AND AREAS OF CONCERN

Based on a review of historical maps, the original shoreline of the Hudson River was east of the Site. Prior to its initial development, the Site consisted of marshland, which was subsequently drained and filled. A review of historic Sanborn fire insurance maps, city directory information, and available public databases indicate the Site was occupied since at least 1891 by manufacturing and commercial tenants. The Site was historically used for primarily commercial and industrial purposes, including stores, offices, a hotel, machine shops, auto body shops, a car wash, a junkyard, a smelting works, and a warehouse. Current improvements to the Site were constructed between 1936 and 1968. Ownership records for the five former lots comprising the Site list multiple realty groups, corporations, and individual property owners. City Directory abstract records identified multiple residential, commercial, and professional uses including auto repair, transportation, metalworking, and salvage/disposal facilities.

The surrounding area has historically been occupied by residential, commercial, industrial, and storage facilities. Historical commercial, industrial, and storage operations on adjacent properties included storage facilities and a filling station to the north, a chemical manufacturing company, a wagon builder, an auto repair shop, a garage, and a railroad right-of-way to the east, a lumberyard, a soap works, a steam laundry, a warehouse, and a freight terminal to the south, and multiple piers to the west.

Six previous environmental studies and investigations have been performed and are detailed in the following reports:

- *Phase II Environmental Site Investigation Report*, prepared by IVI Environmental, Inc., dated July 2007;
- *Environmental Site Investigation Report*, prepared by Langan, dated September 2012;
- *Phase I Environmental Site Assessment Report*, prepared by Langan, dated May 2013;
- *Spill Closure Report*, prepared by Langan, dated June 2013; and

- *Draft Remedial Investigation Report*, prepared by Langan, dated April 2015; and
- *Draft Waste Characterization Report*, prepared by Langan, dated April 2015.

The Areas of Concern (AOCs) identified and evaluated during previous studies and investigations are described below:

Closed Petroleum Spill and Historical Petroleum Bulk Storage at Former Lot 8: A petroleum spill (New York State Department of Environmental Conservation [NYSDEC] Spill No. 13-00212) was associated with the release of motor oil in the maintenance pit of a partial basement at the former express oil change (former Lot 8). The release was presumably caused by flooding during Tropical Storm Sandy. Eight aboveground storage tanks (ASTs) were once present at former Lot 8, including three 1,000-gallon lube oil ASTs, one 500-gallon waste oil AST, and four 500-gallon temporarily-out-of-service ASTs. The spill was remediated under the oversight of Langan and closed by the NYSDEC on June 12, 2013. Three 500-gallon ASTs were removed and closed during the remediation of the spill. Although no significant residual waste oil, petroleum-related staining or odors and preferential migration pathways were identified in the oil change pit and on the concrete walls and slab of the partial basement post-remediation, this petroleum spill may have adversely impacted soil, groundwater, and/or soil vapor at former Lot 8.

Current Use of and Historic Petroleum Bulk Storage at Former Lot 1: Former Lot 1 (356 West Street) is currently used as an automobile repair garage. A 275-gallon waste oil underground storage tank (UST), associated with NYSDEC PBS #2-611746, was removed and closed in January 2013. Although the UST was removed and closed and there is no documentation of a release, it is unclear whether environmental samples (i.e. soil and groundwater) were collected and analyzed as part of the removal work, a deviation from standard industry practice. Leaks or spills of petroleum from the former UST at former Lot 1 may have adversely impacted soil, groundwater and/or soil vapor at former Lot 1.

Historic use of Lot 10: Former Lot 10 was previously used as an automobile repair shop. Potential leaks and/or spills of petroleum, solvents, or other hazardous substances typically

used by this facility may have adversely impacted soil, groundwater, and/or soil vapor at the Site.

Historic Fill: Previous environmental investigations (Langan [2012] and IVI Environmental, Inc. [2007]) at former Lots 8 and 10 identified a surficial layer of historic fill overlying native soil. The historic fill layer extended to depths of about 7 to 10 feet below grade surface (bgs). Concentrations of semivolatile organic compounds (SVOCs), mostly polycyclic aromatic hydrocarbons (PAHs), and metals (copper, lead, mercury, and zinc) were identified in historic fill at concentrations that exceed the Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs). No volatile organic compounds (VOCs) or pesticides exceeded their Unrestricted Use SCOs. No polychlorinated biphenyls (PCBs) or herbicides were detected in soil samples. The concentrations of SVOCs and metals were attributed to historic fill and are characteristic of properties in the urban environment.

1.5 SUMMARY OF WORK PERFORMED UNDER THE REMEDIAL INVESTIGATION

To investigate AOCs identified during previous investigations and evaluate soil, groundwater, and soil vapor quality, Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) performed the following scope of work on behalf of the Owner:

1. Conducted a Site inspection and geophysical survey to identify physical obstructions and subsurface utilities and structures;

2. Advanced nine soil borings and collected 14 grab soil samples (plus Quality Assurance/Quality Control [QA/QC] samples) for laboratory analysis to evaluate soil quality;

3. Installed five permanent groundwater monitoring wells to establish groundwater depth and flow direction and collected five groundwater samples (plus QA/QC samples) for laboratory analysis to evaluate groundwater quality; and

4. Installed seven soil vapor probes and collected two ambient air and seven soil vapor samples for laboratory analysis to evaluate soil vapor quality.

1.6 SUMMARY OF FINDINGS OF REMEDIAL INVESTIGATION

A remedial investigation (RI) was performed and the results are documented in a companion document called "*Remedial Investigation Report, 160 Leroy Street, New York, New York,*" dated April 2015 (RIR) and summarized below:

1. Elevation of the Site ranges from about el. 7 to about el 10.5.
2. Depth to groundwater ranged from about 7 to 13 feet below first floor grade surface based on gauging of the five groundwater monitoring wells. Regional groundwater flow is generally from east to west, in the direction of the Hudson River.
3. Bedrock was not encountered during the RI. Borings extended to a maximum depth of 18 feet bgs.
4. The geophysical survey did not identify anomalies consistent with USTs. Borings were relocated as necessary to avoid subsurface utilities and minor anomalies.
5. The stratigraphy, from the surface down, consists of up to 13 feet of historic fill underlain by native material mainly consisting of fine- to coarse-grained sandy and silty soil with some gravel, cobbles, and clay.
6. Fourteen soil samples were collected and analyzed during the RI. Soil/fill sample results were compared to Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375-6.8 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCOs). Soil samples exhibited no VOC concentrations exceeding their Unrestricted Use SCOs. Concentrations of nine SVOCs exceeded their Unrestricted Use SCOs, with six SVOCs also exceeding their Title 6 New York Codes, Rules, and Regulations (NYCRR) Part 375-6.8(b) Restricted Use Restricted-Residential SCOs, including benzo(a)anthracene (max of 4 mg/kg), benzo(a)pyrene (max of 4.2 mg/kg), benzo(b)fluoranthene (max of 8.3 mg/kg), chrysene (max of 4.6 mg/kg), dibenzo(a,h)anthracene (max of 1.4 mg/kg), and indeno(1,2,3-cd)pyrene (max of 5.9 mg/kg). The maximum concentrations of all SVOCs exceeding their Restricted-Residential SCOs were found at soil boring SB-6 (0 to 2 feet bgs). Concentrations of

total SVOCs ranged from non-detect to 56.24 mg/kg (SB-6 [0 to 2 feet bgs]). Concentrations of nine metals exceeded their Unrestricted Use SCOs, with six metals also exceeding their Restricted-Residential SCOs including arsenic (max of 65 mg/kg), barium (max of 1,100 mg/kg), cadmium (max of 7.7 mg/kg), copper (max of 4,700 mg/kg), lead (max of 5,700 mg/kg), and mercury (max of 5.6 mg/kg). The maximum concentrations of all metals exceeding Restricted-Residential SCOs were found at boring SB-6 (0 to 2 feet bgs), a hotspot area, with the exception of barium (maximum concentration found at boring SB-5 (6 to 7 feet bgs). Concentrations of the pesticides 4,4'-DDD (max of 0.0168 mg/kg), 4,4'-DDE (max of 0.0988 mg/kg), and 4,4'-DDT (max of 0.272 mg/kg) exceeded their Unrestricted Use SCO of 0.0033 mg/kg, with all maximum detected pesticide concentrations occurring in soil sample SB-6 (0 to 2 feet bgs). No pesticides were detected above their Restricted-Residential SCOs. No herbicides or PCBs were detected above their Unrestricted Use SCOs. Overall, the soil results were consistent with data identified at sites with shallow historic fill material in New York City with the exception of a hotspot for metals and SVOCs identified at soil boring SB-6.

7. PCBs, pesticides, or herbicides were not detected in groundwater. Three VOCs, including benzene (max of 11 micrograms per liter [µg/L]), naphthalene (max of 77 µg/L), and toluene (max of 5.4 µg/L) exceeded their respective NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA waters at monitoring wells MW-4 and/or MW-5. Seven SVOCs, including benzo(a)anthracene (max of 3.5 µg/L), benzo(a)pyrene (max of 3.3 µg/L), benzo(b)fluoranthene (max of 3.2 µg/L), benzo(k)fluoranthene (max of 3.2 µg/L), chrysene (max of 3.1 µg/L), indeno(1,2,3-cd)pyrene (max of 3.4 µg/L), and phenol (max of 27 µg/L), were detected at concentrations exceeding their TOGS SGVs at monitoring wells MW-4 and/or MW-5. Six metals, including antimony (max of 19.7 µg/L), iron (max of 5,180 µg/L), lead (max of 82.9 µg/L), magnesium (max of 60,300 µg/L), manganese (max of 2,686 µg/L), and sodium (max of 587,000 µg/L) were detected at total concentrations exceeding their TOGS SGVs in one or more unfiltered samples. Five metals, including antimony (max of 22.2 µg/L), iron (max of 6,020 µg/L), magnesium (max of 54,200 µg/L), manganese (max of 2,668 µg/L), and sodium (max of

553,000 µg/L) were detected at dissolved concentrations exceeding their TOGS SGVs in one more filtered samples.

8. Soil vapor samples collected during the RI were compared to the concentrations listed in Table 3.1 Air Guideline Values Derived By The NYSDOH, published in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion dated October 2006. Soil vapor samples collected during the RI showed low levels of petroleum-related VOCs and elevated levels of one chlorinated VOC. The total concentration of petroleum-related VOCs (BTEX) ranged from 18 µg/m^3 to 305 µg/m^3. One chlorinated VOC, tetrachloroethene (PCE), was detected above its New York State Department of Health (NYSDOH) Air Guidance Value (AGV) of 30 micrograms per cubic meter (µg/m^3) at a sub-slab concentration of 138 µg/m^3 at SV-7. No other VOCs exceeded their NYSDOH AGVs in soil vapor samples. This sub-slab concentration of PCE requires monitoring per the NYSDOH Soil Vapor/Indoor Air Matrix 2, dated October 2006.

For more detailed results, consult the RIR. Based on an evaluation of the data and information from the RIR, Langan's 2015 *Waste Characterization Report*, and this RAWP, characteristic hazardous lead waste (D008) exists on the Site. Section 4.2 contains additional information on the waste characterization study.

2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the RI, the following Remedial Action Objectives (RAOs) have been identified for this Site:

Groundwater

- Remove contaminant sources causing impact to groundwater.
- Prevent direct exposure to contaminated groundwater.
- Prevent exposure to contaminants volatilizing from contaminated groundwater.

Soil

- Prevent direct contact with contaminated soil.
- Prevent exposure to contaminants volatilizing from contaminated soil.
- Prevent migration of contaminants that would result in groundwater or surface water contamination.

Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

3.0 REMEDIAL ALTERNATIVES ANALYSIS

The goal of the remedy selection process is to select a remedy that is protective of human health and the environment, with consideration of the current, intended and reasonably anticipated future use of the property. The remedy selection process begins by establishing RAOs for media in which chemical constituents were found to exceed applicable standards, criteria and guidance values (SCGs). A remedy is then developed based on the following ten criteria:

- Protection of human health and the environment;
- Compliance with SCGs;
- Short-term effectiveness and impacts;
- Long-term effectiveness and permanence;
- Reduction of toxicity, mobility, or volume of contaminated material;
- Implementability;
- Cost effectiveness;
- Community acceptance;
- Land use; and
- Sustainability of the remedial action.

The following is a detailed description of the alternatives analysis and remedy selection to address impacted media at the Site. As required, a minimum of two remedial alternatives (including a Track 1 scenario) are evaluated, as follows.

Alternative 1 is a Track 1 scenario and would include the following remedial actions:

- Selection of NYSDEC 6 NYCRR Part 375 Table 6.8(a) Unrestricted Use (Track 1) SCOs;

- Development and execution of a construction health and safety plan (CHASP) and community air monitoring plan (CAMP) for the protection of Site workers, the general public, and the environment during remediation and construction;

- Excavation of historic fill exceeding Track 1 Unrestricted Use SCOs, petroleum-impacted material, and hazardous lead waste and confirmation that Track 1 Unrestricted Use SCOs are achieved. Based on the results of the RI, it is expected that this alternative would require excavation across the entire Site to about 13 feet bgs (el. -3 feet) to remove all historic fill. If historic fill or soil containing analytes at concentrations above Unrestricted Use SCOs remains at the base of the excavation after soil removal is complete, it would be completely removed by additional excavation;

- Collection and analysis of 18 confirmation samples to determine the performance of the remedy with respect to the SCOs;

- Localized dewatering as necessary to accommodate excavation below the groundwater table; and

- Backfilling of excavated areas to development grade with certified-clean material (meeting Unrestricted Use SCOs), recycled concrete aggregate (RCA) or virgin, native crushed stone.

No engineering or institutional controls are required for a Track 1 cleanup. However, Alternative 1 would also include the following as part of the redevelopment:

- Installation of a vapor barrier/waterproofing membrane beneath the cellar foundation slab and around the foundation sidewalls of the new building to prevent potential future exposures from off-Site vapor intrusion; and

- Placement of a composite cover system over the entire Site as part of construction.

Alternative 2 is the Track 4 scenario and would include the following remedial actions:

- Establishment of Site-Specific (Track 4) SCOs (listed in Section 4.2).

- Excavation for construction of the new building's cellar level up to a depth of about 9 to 12 feet bgs (el. -2 feet) across 90% of the Site (about 25,670 square feet), with portions of the excavation extending to about 13 to 16 feet bgs (el. -6 feet) to accommodate foundation elements and elevator pits. About 6% of the Site (about 1,580 square feet) would be partially excavated and sloped to install support of excavation and foundation elements. Foundation excavation depths are approximate and may vary by 1 to 2 feet based on practicality due to integrity of adjacent structures and/or dewatering. As part of a composite cover system installation, about 2% of the Site (about 670 square feet) would be excavated to about 2 feet bgs for placement of clean fill and about 2% of the Site (about 440 square feet) would remain unexcavated and be covered with concrete. Soil/fill removed during excavation would include areas of petroleum-impacted material and hazardous lead waste. The proposed excavation and fill plan is included as Figure 5 and waste characterization sampling locations are included as Figure 6;

- Collection and analysis of 18 documentation samples to determine the performance of the remedy with respect to the SCOs, as shown on Figure 7. If historic fill or native soil containing analytes at concentrations above Track 4 Site-Specific SCOs is still present at the base of the excavation within the building footprint, additional excavation would be performed to meet the Track 4 Site-Specific SCOs;

- Backfilling of excavated areas to development grade with certified-clean material (meeting Unrestricted Use SCOs), recycled concrete aggregate (RCA) or virgin, native crushed stone;

- Installation of a waterproofing/vapor barrier system beneath the hydrostatic building slab and along foundation side walls to prevent potential exposures from off-Site vapor intrusion;

- Placement of a composite cover system over the entire Site, consisting of impervious concrete areas and a minimum of 2 feet of clean cover material in landscaped areas to prevent exposure to remaining soil/fill;

- Construction and operation of a full-time ventilated parking garage in accordance with New York City Mechanical Code in a portion of the new cellar;

- Establishment of use restrictions including prohibitions on the use of groundwater from the Site; prohibitions of sensitive Site uses, such as farming or vegetable gardening, to prevent future exposure pathways; and prohibition of a higher level of land use without OER approval;

- Continued registration of the property's "E" designation with the NYC Buildings Department; and

- Establishment of an approved Site Management Plan (SMP) to ensure long-term management of these Engineering and Institutional Controls including the performance of periodic inspections and certification that the controls are performing as intended. The SMP will note that the property owner and property owner's successors and assigns must comply with the approved SMP.

3.1 THRESHOLD CRITERIA

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, and implementation of Engineering Controls (ECs) or Institutional Controls (ICs). Protection of public health and the environment must be achieved for all approved remedial actions.

Alternative 1 would be protective of human health and the environment by removing all contaminated historic fill (including hazardous waste) and/or soil exceeding Track 1 Unrestricted Use SCOs and Protection of Groundwater SCOs, thus eliminating the potential for direct contact with contaminated historic fill or soil once construction is complete and eliminating the risk of contamination leaching into groundwater.

Alternative 2 would achieve comparable protections of human health and the environment by completely excavating historic fill (including hazardous waste) across 90% of the Site (about 25,670 square feet) and by ensuring that remaining historic fill and/or soil is covered by a composite cover system comprised of impervious concrete and landscaped areas, as well as by placement of ICs. The composite cover system would prevent direct contact with any remaining soil/fill. Implementing ICs including a Site Management Plan (SMP) and continued "E" designation would ensure that the composite cover system remains intact and protective. Establishment of Track 4 Site-Specific SCOs would minimize the risk of contamination leaching into groundwater.

For both Alternatives, potential exposure to contaminated soils or groundwater during construction would be minimized by implementing a Construction Health and Safety Plan (CHASP), an approved Soil and Materials Management Plan (SMMP), and a Community Air Monitoring Plan (CAMP). Potential contact with contaminated groundwater would be prevented as its use is prohibited by city laws and regulations. Potential future migration of off-Site soil vapors into the new building would be prevented by incorporating a waterproofing/vapor barrier membrane system into the new building's foundation. The surrounding environment would be protected by implementing and enforcing soil erosion plans.

3.2 BALANCING CRITERIA

Compliance with Standards, Criteria and Guidance

This evaluation criterion assesses the ability of the alternative to achieve applicable standards, criteria and guidance (SCG).

Alternative 1 would achieve compliance with the remedial goals, contaminant-specific SCGs and RAOs for soil through removal of soil to achieve Track 1 Unrestricted Use SCOs and Protection of Groundwater SCOs. Compliance with SCGs for soil vapor would also be achieved by incorporating a waterproofing/vapor barrier membrane system into the new building's foundation as part of development. In addition, a portion of the cellar/first floor of the building will contain a full-time ventilated parking garage in accordance with the New York City Mechanical Code.

Alternative 2 would achieve compliance with the remedial goals, contaminant-specific SCGs and RAOs for soil through excavation to meet Track 4 Site-Specific SCOs across about 90% of the Site (about 25,670 square feet). Remaining areas of the Site would be partially excavated and covered by a composite cover system. Compliance with SCGs for soil vapor would also be achieved by incorporating a waterproofing/vapor barrier membrane system into the new building's foundation. Implementation of an SMP would ensure that these controls remained protective for the long term. In addition, the cellar/first floor of the building will contain a full-time ventilated parking garage in accordance with the New York City Mechanical Code.

Both remedial alternatives also comply with SCGs that involve the protection of public health and environment during the remedial action by implementing and enforcing a Site-specific CHASP and CAMP. Occupational Safety and Health Administration (OSHA) requirements for on-Site construction safety will be followed by the site contractors. For both remedial alternatives, focused attention on dust control and proper soil handling techniques would aid compliance with applicable SCGs. These measures will protect on-Site workers and the surrounding community from exposure to Site-related contaminants.

Short-term Effectiveness and Impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their effects on public health and the environment during implementation of the remedial action, including protection of the community, environmental impacts, time until remedial response objectives are achieved, and protection of workers during remedial actions.

Both Alternatives 1 and 2 have similar short-term effectiveness during their respective implementations, as each requires excavation of historic fill. Both alternatives would result in short-term dust generation associated with excavation, handling, load out of materials, and truck traffic. Short-term impacts would potentially be higher for Alternative 1 because excavation of greater amounts of historic fill would be required outside the proposed new building footprint. However, focused attention to means and methods during the remedial

action during a Track 1 removal action, including community air monitoring and appropriate truck routing, would minimize or negate the overall impact of these activities.

An additional short-term adverse impact and risk to the community associated with both remedial alternatives is increased truck traffic. About 460 (Alternative 1) or 420 (Alternative 2), 25-cubic-yard capacity truck trips would be necessary to transport fill and soil excavated during development. Truck traffic will be routed on the most direct course using major thoroughfares where possible and flaggers will be used to protect pedestrians at Site entrances and exits.

Under both remedial alternatives, dust will be controlled by the application of water spray on the haul roads, and on the Site, when and where needed. Engineering controls, such as slowing the pace of work, applying foam suppressant or covering portions of the excavation will be used to minimize vapors and suppress odors when required. The effects of these potential adverse impacts to the community, workers and the environment would be minimized through implementation of corresponding control plans including a CHASP, a CAMP and an SMMP during all soil disturbance activities. Both alternatives provide short-term effectiveness in protecting the surrounding community by decreasing the risk of contact with on-Site contaminants. Construction workers operating under appropriate management procedures and a CHASP would be protected from on-Site contaminants (personal protective equipment would be worn consistent with the documented risks within the respective work zones).

Long-Term Effectiveness and Permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the Site after response objectives are met. These objectives include permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls, including the adequacy and suitability of ECs and ICs that may be used to manage residual contamination and an assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of ECs.

Alternative 1 would achieve long-term effectiveness and permanence related to on-Site contamination by permanently removing all contaminated soil/fill above Track 1 Unrestricted Use SCOs. Excavation will extend to a minimum depth of 13 feet bgs (el. -3 feet), and the bottom of the building slab will be installed below the water table, which is at about el. 0. As a construction measure, a waterproofing/vapor barrier membrane system will be installed and a full-time ventilated parking garage will operate in accordance with New York City Mechanical Code. The waterproofing/vapor barrier membrane system, parking garage, and location of the building slab will mitigate any off-Site sources of soil vapor and provide a permanent barrier to any impacted groundwater. In addition, groundwater in New York City is not used for drinking water. Therefore, the long-term effectiveness of this remedy will eliminate risks and satisfy the objectives of this criterion.

Alternative 2 would provide long-term effectiveness by removing most of the contaminated soil/fill and attaining Track 4 Site-Specific SCOs across a minimum of 90% of the Site (about 25,670 square feet) by excavating to a minimum depth of 9 to 12 feet bgs (el. -2 feet) within the new building's footprint. Foundation excavation depths are approximate and may vary by 1 to 2 feet based on practicality due to integrity of adjacent structures and/or dewatering. This Track 4 remedy would leave soil in-place that exceeds the Track 4 SCOs outside the new building's footprint; therefore, a permanent impervious composite cover system would be installed and maintained. The composite cover system would provide a permanent barrier to any contaminated soil or groundwater. Maintaining use restrictions, establishing an SMP to ensure long-term management of ICs and ECs, and continued registration as an "E" designated property will implement these controls for the long term. The SMP would ensure long-term effectiveness of all ECs and ICs by requiring periodic inspection and certification that these controls and restrictions continue to be in place and are functioning as intended.

Alternative 1 would result in full removal of soil contamination exceeding Unrestricted Use SCOs, providing the most effective and permanent remedy for contaminated soil. Potential sources of soil vapor and groundwater contamination would also be eliminated as part of the remedy. Alternative 2 would result in near full removal of soil that exceeds Track 4 Site-

Specific SCOs and capping of the remaining historic fill with a composite cover system, thereby eliminating exposure.

Reduction of Toxicity, Mobility, or Volume of Contaminated Material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a Site, ranked from most preferable to least preferable: removal and/or treatment, containment, elimination of exposure, and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminant mobility, or reduce total volume of contaminated media.

Alternative 1 would permanently eliminate the toxicity, mobility, and volume of contaminants by removing all soil that exceeds Track 1 Unrestricted Use SCOs. Installation of a building slab below the water table, which is at about el. 0, and installation of a waterproofing/vapor barrier membrane system and ventilated parking garage as construction measures would mitigate exposure to impacted groundwater or off-Site sources of contaminated soil vapor.

Alternative 2 would reduce toxicity by removing most historic fill exceeding Track 4 Site-Specific SCOs. Capping of remaining historic fill with a composite cover system, installation of a building slab below the groundwater table, installation of a waterproofing/vapor barrier membrane system, and ventilated parking garage as a construction measure would mitigate exposure to contaminated soil, groundwater, and off-Site sources of contaminated soil vapor.

Alternative 1 would eliminate a greater total mass of contaminants on Site. Alternative 2 would leave historic fill in place at capped locations at about 10% or less of the total Site area. Both alternatives would include delineation and removal of hazardous lead waste.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g. obtaining permits for remedial activities), and availability of services and materials.

The techniques, materials and equipment used to implement both remedial alternatives are readily available and have been proven effective in remediating the contaminants associated with the Site. Both alternatives use standard materials and services that are well-established technology. The reliability of each remedy is also high. Excavation support and dewatering will be required for the implementation of both alternatives. Both alternatives would consist of excavation of the targeted fill and soil with standard bucket excavators. These remedies use typical remediation methods to address Site impacts, and contractors experienced in implementing the remedies are readily available in the area of the Site. The reliability of each remedy is also high.

Both alternatives would potentially require over-excavation beyond development depth to achieve their respective cleanup standards. Alternative 1 would also require excavation extending outside the proposed support-of-excavation (SOE) system, which was designed to maximize the useable portion of the Site footprint. Further excavation outside the proposed SOE would result in increased costs for geotechnical design, SOE materials costs, and risk associated with excavating to the property line in the southeast portion of the Site, which directly abuts two- and three-story neighboring structures.

Cost Effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction, equipment and disposal costs and engineering expenses) and Site management

costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

Historic fill at the Site was found during the RI to extend to about 13 feet below grade in one completed boring and to a maximum depth of about 9 feet bgs at all other completed borings. Since the new building requires excavation of the entire Site to a minimum depth of 9 to 12 feet bgs (el. -2 feet), the costs associated with both Alternative 1 and Alternative 2 would likely be comparable for excavation within the new building's footprint. Costs associated with Alternative 1 would be higher than Alternative 2 due to additional excavation required outside of the new building's footprint and associated design changes to the proposed SOE. Additional costs would include geotechnical design fees, installation of additional shoring/underpinning, disposal of additional soil, and import of additional clean soil for backfill. However, long-term costs for Alternative 2 are likely higher than Alternative 1 because an SMP will need to be implemented as part of Alternative 2.

The remedial plan creates an approach that combines the remedial action with the redevelopment of the Site, including the construction of the building foundation and subgrade structures. The remedial plan is also cost effective in that it will take into consideration the selection of the closest and most appropriate disposal facilities to reduce transportation and disposal costs during the excavation of historic fill and other soils during the redevelopment.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

Both remedial alternatives should be acceptable to the community because the potential exposure pathways to on-Site contamination will be mitigated during construction and eliminated or contained upon completion of the respective alternatives, and the Site will be redeveloped with an attractive end use. Based on the overall goals of the remedial program and initial permitting associated with the proposed development, no adverse community opinion is anticipated for either alternative. This RAWP will be subject to a public review under

the NYCVCP and will provide the opportunity for detailed public input on the remedial alternatives and the selected remedy. This public comment will be considered by OER prior to approval of this plan. The Citizen Participation Plan for the project is provided in Appendix B. Observations here will be supplemented by public comment received on the RAWP.

Land Use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the Site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the Site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the Site, proximity to flood plains, geography and geology; and current ICs applicable to the Site.

The current, intended, and reasonably anticipated future land use of the Site and its surroundings are compatible with the selected remedy of soil remediation. The proposed future use of the Site includes a mixed-use residential and commercial building. Following remediation, the Site will meet either Track 1 Unrestricted Use or Track 4 Site-Specific SCOs, both of which are appropriate for its planned residential use. The reasonably anticipated future use of the Site and its surroundings will be documented by the applicant in the NYCVCP application, which will include the following conclusions:

1. The current, intended, and reasonably anticipated future land use of the Site and its surroundings should be compatible with the selected remedy. The reasonably anticipated future use of the Site and the use of its surroundings will be documented by the volunteer in the VCP application.

2. The use proposed for the Site conforms to applicable zoning laws or maps or the reasonably anticipated future use of the Site.

3. The proposed use conforms to historical and recent development patterns in the area.

4. The Site does not fall within the boundaries of an existing BOA.

5. The Site is located in an urban setting that is characterized by residential, commercial office, manufacturing, and retail developments. There are no areas zoned for agricultural use in the proximity of the Site.

6. There are no known environmental justice concerns.

7. There are no federal or state land designations.

8. The population growth patterns and projections support the proposed land use.

9. The Site is accessible to existing infrastructure.

10. There are several landmark sites within 1/2-mile of the Site. The following table lists City Landmarks (L), City Historic Districts (CHD), Interior Landmarks (INT) and Properties Listed on National Register (NR) of Historic Places within approximately 1/2-Mile of the site:

Landmark	Status	Address
Weehawken Street Historic District	CHD	10th Street and Weehawken Street
Greenwich Village Historic District	CHD, NR	Roughly bounded by W. 13th St., St. Luke's Pl., University Pl., and Washington St.
Greenwich Village Historic District Extension	CHD	Part of the Greenwich Village Historic District
Greenwich Village Historic District Extension II	CHD	Part of the Greenwich Village Historic District
South Village Historic District	CHD, NR	Roughly Bedford, Carmine, Downing, Grand, Jones, Leroy, MacDougal, Prince, W. 3rd, W. Houston Sts., LaGuardia Pl.

Landmark	Status	Address
MacDougal-Sullivan Gardens Historic District	CHD, NR	74-76 MacDougal St., 170-188 Sullivan St.
Charlton-King-Vandam Historic District	CHD, NR	Roughly bounded by Varick, Vandam, MacDougal and King Sts.
Soho-Cast Iron Historic District	CHD	Roughly bounded by W. Broadway, Houston, Crosby, and Canal Sts.
Soho-Cast Iron Historic District Extension	CHD	Part of the Soho-Cast Iron Historic District
Tribeca North Historic District	CHD	Roughly bounded by Watts, Canal, Varick, Hudson, Hubert, and West Streets
Tribeca West Historic District	CHD	Roughly bounded by Greenwich, Hubert, Hudson, Ericsson, West Broadway, and Reade Streets
Keller Hotel	L	150 Barrow Street
United States Federal Building	L	633 Washington Street
Historic Street Lampposts	L	Adjacent to 303 West 10th Street
159 Charles Street House	L	159 Charles Street
131 Charles Street House	L	131 Charles Street
354 West 11th Street House	L	354 West 11th Street
Bell Telephone Laboratories Complex, including former Western Electric Company and Hook's steam-powered factory buildings, now Westbeth Artists' Housing	L, NR	445-465 West Street, 137-169 Bank Street, 51-77 Bethune Street, and 734-754 Washington Street
26 Jones Street House	L	26 Jones Street
30 Jones Street House	L	30 Jones Street
127 MacDougal Street House	L	127 MacDougal Street
131 MacDougal Street House	L	131 MacDougal Street
203 Prince Street House	L, NR	203 Prince Street
116 Sullivan Street	L	116 Sullivan Street
83 Sullivan Street	L, NR	83 Sullivan Street
85 Sullivan Street	L, NR	85 Sullivan Street
32 Dominick Street	L	32 Dominick Street
34 Dominick Street	L	34 Dominick Street
36 Dominick Street	L	36 Dominick Street
Holland Plaza Building	L	75 Varick Street
Dennison and Lydia Wood House	L	310 Spring Street
James Brown House	L	326 Spring Street
486 Greenwich Street House	L	486 Greenwich Street
488 Greenwich Street House	L	488 Greenwich Street

Landmark	Status	Address
502 Canal Street House	L	502 Canal Street
504 Canal Street House	L	504 Canal Street
508 Canal Street House	L	508 Canal Street
Fleming Smith Warehouse	L	451 Washington Street
Federal Office Building	NR	641 Washington Street
LILAC, United States Lighthouse Tender	NR	Pier 40

11. With the exception of the Hudson River, located about 300 feet west of the Site, the Site is not located in close proximity to important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species.

12. Municipal water supply wells are not present in this area of New York City; therefore, groundwater from the Site cannot affect municipal water supply wells or recharge areas. Manhattan does not use the groundwater as a source of drinking water.

13. According to the National Flood Insurance Rate map for the City of New York published by the Federal Emergency Management (FEMA) (Community Panel No. 3604970182G, dated December 5, 2013), the Site is located within Zone AE with a Base Flood Elevation of el 11 feet. Zone AE is designated for areas of 1 percent annual chance flood.

14. There are no known ICs in effect at the Site.

Improvements in the current environmental condition of the property achieved by both alternatives are also consistent with the City's goals for cleanup of contaminated land and bringing such properties into productive reuse.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in *PlaNYC: A Greener, Greater New York*. Sustainability goals may include: maximizing the recycling and reuse of non-

virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with Site development.

While Alternative 2 would potentially result in lower energy usage based on reducing the volume of material transported off-Site, both remedial alternatives are comparable with respect to the opportunity to achieve sustainable remedial action. The remedial plan would take into consideration the shortest trucking routes during off-Site disposal of historic fill and other soil, which would reduce greenhouse gas emissions and conserve energy used to fuel trucks. The New York City Clean Soil Bank program may be utilized for reuse of native soil. To the extent practical, energy efficient building materials, appliances, and equipment will be utilized to complete the development. A complete list of green remedial activities considered as part of the NYCVCP is included in the Sustainability Statement, included as Appendix C.

4.0 REMEDIAL ACTION

4.1 SUMMARY OF PREFERRED REMEDIAL ACTION

The preferred remedial action alternative is the Track 4 Alternative. The preferred remedial action alternative achieves protection of public health and the environment for the intended use of the property, will achieve all of the remedial action objectives established for the project, and addresses applicable SCGs. The preferred remedial action alternative is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants. The preferred remedial action alternative is cost effective and implementable and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYCVCP Citizen Participation activities according to an approved Citizen Participation Plan;

2. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations;

3. Establishment of Site Specific Track 4 Soil Cleanup Objectives (SCOs);

4. Site mobilization involving Site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;

5. Completion of a waste characterization study prior to excavation activities. A waste characterization study was completed in March 2015 and a supplemental waste characterization study will be performed before mass excavation (see Section 4.2 for further details);

6. Performance of additional hazardous lead delineation sampling. Lead concentrations exceeding the 40 CFR 261.24 – Maximum Concentration for the Toxicity Characteristic (5.0 milligrams per liter [mg/L]) were detected in Cells E and F within the south central portion of the Site, from 0 to 6 feet bgs;;

7. Excavation and removal of soil/fill exceeding Track 4 Site-Specific SCOs. Soil and/or fill includes a layer of historic fill overlying native soil and contains areas of petroleum contamination and hazardous lead waste, with a shallow hotspot identified at SB-6. Excavation for construction of the new building's cellar level will extend to a minimum depth of about 9 to 12 feet bgs (el. -2 feet) across about 90% of the Site (about 25,670 square feet), with portions of the excavation extending to about 13 to 16 feet bgs (el. -6 feet) to accommodate deeper foundation elements and the elevator pits. Foundation excavation depths are approximate and may vary by 1 to 2 feet based on practicality due to integrity of adjacent structures and/or dewatering. About 6% of the Site (about 1,580 square feet) will be partially excavated and sloped to install support of excavation (SOE) and foundation elements. As part of a composite cover system installation, about 2% of the Site (about 670 square feet) will be excavated to about 2 feet bgs for placement of clean fill and about 2% of the Site (about 440 square feet) will remain unexcavated and be covered with concrete. About 15,000 tons of soil will be excavated and removed from the Site;

8. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID);

9. Management of excavated materials including temporarily stockpiling and segregating to prevent co-mingling of contaminated material and non-contaminated materials;

10. Removal of underground storage tanks (USTs) (if encountered) and closure of petroleum spills (if encountered) in compliance with applicable local, state and federal laws and regulations;

11. Transportation and off-Site disposal of soil/fill material at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media on-Site;

12. Collection and analysis of 18 documentation soil samples to determine the performance of the remedy with respect to the SCOs;

13. Demarcation of residual soil/fill in landscaped areas;

14. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations;

15. Installation of a vapor barrier system beneath the building slab as well as around foundation sidewalls of the proposed building below grade. The vapor barrier will consist of Grace Preprufe® 300R and 160R high-density polyethylene (HDPE) waterproofing membranes;

16. Construction and maintenance of an engineered composite cover consisting of 4-inch thick concrete or cobble-paved walkways and driveways underlain by gravel and/or cementitious mortar bedding, landscaped areas consisting of minimum 2 feet of clean imported soil, and a 16-inch thick concrete hydrostatic building slab installed 2 feet below the groundwater table to prevent human exposure to residual soil/fill remaining under the new building;

17. Construction and operation of a ventilated parking garage as per New York City Mechanical Code, Chapter 4;

18. Performance of dewatering in compliance with applicable laws and regulations. Dewatering is required and dewatering permits will be obtained from NYCDEP prior to construction activities;

19. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations;

20. Submission of a Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the Site boundaries, lists any changes from this RAWP, and describes all Engineering and Institutional Controls to be implemented at the Site;

21. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of Engineering and Institutional Controls and reporting at a specified frequency; and

22. Continued E-Designation registration at the NYC Buildings Department. Establishment of Engineering Controls and Institutional Controls in this RAWP and a requirement that management of these controls must be in compliance with an approved SMP. Institutional Controls will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

4.2 SOIL CLEANUP OBJECTIVES AND SOIL/FILL MANAGEMENT

Track 4 Site-Specific SCOs are proposed for this project. The 6 NYCRR Part 375-6.8(b) Restricted-Use Restricted-Residential SCOs, as amended by the following table, will be used as the Track 4 Site-Specific SCOs:

Contaminant	**Track 4 Site-specific SCO**
Total SVOCs	200 ppm
Arsenic	23 ppm
Barium	800 ppm
Copper	350 ppm
Lead	1,000 ppm
Mercury	1.5 ppm

Excavation, handling and disposal of soil and impacted material will be conducted in accordance with the Soil and Materials Management Plan in Appendix D. The location of planned excavation and fill areas is shown in Figure 5.

Discrete contaminant sources (such as hotspots) identified during the remedial action will be identified by GPS or on a site survey. This information will be provided in the RAR.

Soil and Historic Fill Removal Quantities

The estimated quantity of soil and historic fill expected to be excavated and disposed off-Site is about 15,525 tons. Excavation will be advanced to depths between 9 and 12 feet bgs (el. -2 feet), and up to 13 to 16 feet bgs (el. -6 feet) in limited areas to accommodate foundation elements and elevator pits. In general, the remedial cut is at el. -2 feet.

Disposal facilities will be reported to OER when they are identified and prior to the start of remedial action.

Waste Characterization Study

A waste characterization study was performed in March 2015. The Site was divided into a sampling grid with seven sampling cells (A, B, C, D, E, F, and G), each representative of between about 1,500 and 2,000 cubic yards. Two soil borings were completed within each cell except Cell F (three soil borings) and Cell G (no soil borings). Thirteen soil sample sets, each consisting of one grab and one composite sample, were collected for laboratory analysis. Six sample sets representing shallow historic fill material from about 0 to 6 feet bgs (0 to 5 feet bgs in Cell D) were collected. Seven sample sets representing deep historic fill and native soil from about 6 to 12 feet bgs (5 to 10 feet bgs in Cell D) were collected. Soil samples were not collected from Cell G, in the southern portion of the Site, because of subgrade obstructions and access difficulties. Soil samples were analyzed for one or more of the following parameters:

- Grab samples: target compound list (TCL) VOCs, total petroleum hydrocarbons (TPH) – gasoline-range organics (GRO), TPH – diesel-range organics (DRO), and toxicity characteristic leaching procedure (TCLP) VOCs;

- Composite samples: TCL SVOCs, PCBs, pesticides, herbicides, target analyte list (TAL) metals, cyanide, hexavalent chromium, trivalent chromium, TCLP SVOCs, TCLP pesticides, TCLP herbicides, TCLP metals, ignitability, corrosivity, reactivity (cyanide and sulfide), and paint filter;

The findings of the waste characterization study are summarized below:

- A layer of historic fill material comprised of varying amounts of sand, silt, gravel, concrete, brick, slag, coal, glass, ceramic, cinders, wood, and tar-like material was noted extending from grade surface to about 10 feet bgs across the Site;

- A lens of suspected petroleum-impacted material between 9 and 12 feet bgs was identified at soil boring SB-B1 in Cell B in the north central portion of the Site; and

- Lead concentrations exceeding the 40 CFR 261.24 – Maximum Concentration for the Toxicity Characteristic (5.0 milligrams per liter [mg/L]) were detected in Cells E and F within the south central portion of the Site, from 0 to 6 feet bgs. TCLP lead was detected in Cells E and F at concentrations of 8.3 milligrams per liter (mg/L) and 5.6 mg/L, respectively. This soil must be managed as a Resource Conservation and Recovery Act (RCRA) characteristic hazardous waste upon excavation.

No soil samples were collected from within Cell G; therefore, no waste characterization information was generated for subsurface material within this cell. A supplemental waste characterization investigation will be performed in the southern portion of the Site before mass excavation. The full Langan *Draft Waste Characterization Report*, dated April 22, 2015 is included as Appendix E. Completed and proposed waste characterization boring locations are shown on Figure 6.

Hazardous Lead Delineation and Sampling

Characteristic hazardous lead waste was identified from 0 to 6 feet bgs in the southern central portion of the Site during the March 2015 waste characterization study. Historic fill containing hazardous concentrations of lead will be marked out and removed as part of development. The full scope of the hazardous lead delineation sampling will be determined in collaboration with the OER after the conclusion of supplemental waste characterization.

The general hazardous lead delineation procedure may consist of the following:

- A vertical delineation boring will be advanced at the location of each of the former waste characterization boring locations exhibiting hazardous levels of lead;

- Several horizontal delineation borings will be advanced around each of the former waste characterization boring locations exhibiting hazardous lead concentrations, evenly spaced around each former waste characterization boring location; and

- Each delineation boring will be continuously sampled, with grab samples collected from each 2-foot interval from grade surface to termination depth of about 12 feet bgs;

Delineation grab samples from the same depths where hazardous lead was identified in the parent waste characterization samples will be analyzed for total and TCLP lead. If the initial delineation samples exhibit hazardous lead concentrations, then samples collected from similar depths at adjacent delineation locations will be analyzed. Negative results will confirm delineation of hazardous waste in each direction. Hazardous lead delineation sample locations, methodology, and analyses will be confirmed in collaboration with the OER before the delineation effort begins. A preliminary hazardous lead delineation sampling plan is included as Figure 6.

Additional Hotspot Delineation and Sampling

If any other soil hotspots are identified during the remedial program, hotspot removal actions will be performed and additional documentation samples will be collected as needed. Analytes for endpoint sampling will be those parameters that are driving the hotspot removal action and will be approved by OER. Analysis will be performed according to analytical methods described above. Frequency for hotspot endpoint sample collection is as follows:

1. For excavations less than 20 feet in total perimeter, at least one bottom sample and one sidewall sample biased in the direction of surface runoff.

2. For excavations 20 to 300 feet in perimeter:

    - For surface removals, one sample from the top of each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.

    - For subsurface removals, one sample from each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.

3. For sampling of VOCs, bottom samples should be taken within 24 hours of excavation, and should be taken from the zero to six-inch interval at the excavation floor. Samples taken after 24 hours should be taken at six to twelve inches.

4. For contaminated soil removal, post remediation soil samples for laboratory analysis should be taken immediately after contaminated soil removal. If the excavation is enlarged horizontally, additional soil samples will be taken pursuant to items 1-3 above.

Endpoint sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual contamination identified during the remedial action indicate that other locations and depths may be more heavily contaminated. In all cases, documentation samples should be biased toward locations and depths of the highest expected contamination.

If either light non-aqueous phase liquid (LNAPL) or dense non-aqueous phase liquid (DNAPL) are detected, appropriate samples will be collected for characterization and "finger print analysis" and required regulatory reporting (i.e. spills hotline) will be performed.

Quality Assurance/Quality Control (QA/QC) samples will include one duplicate soil sample per 20 samples. Sufficient field and laboratory trip blanks will be analyzed to assess sampling and laboratory artifacts.

Documentation Sampling

Soil/fill removal actions for development purposes under this plan will be performed in conjunction with documentation soil sampling. Eighteen documentation soil samples will be collected at development depth. The proposed locations of the documentation samples are depicted in Figure 7. To evaluate attainment of Track 4 Site-Specific SCOs, documentation soil samples will be analyzed for the following parameters:

- Volatile organic compounds by EPA Method 8260;
- Semivolatile organic compounds by EPA Method 8270;

- Target Analyte List metals by EPA Method 6010/7471; and
- Pesticides/PCBs by EPA Method 8081/8082;

Remedial investigation results indicated that Pesticides/PCBs are either completely absent from the site or absent at concentrations above SCGs below depths of 2 feet. As such, if results of the first four documentation samples confirm the absence of these compounds, a request to reduce the analytical scope will be made to the OER to remove these analyses.

A NYSDOH ELAP-certified lab(s) will be used to analyze documentation samples. Labs performing documentation sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all documentation sample results and will include all data including non-detects and applicable standards and/or guidance values.

Import and Reuse of Soils

Import of soil onto the property and reuse of soil already on Site will be performed in conformance with the Soil and Materials Management Plan. The estimated quantity of clean cover soil and backfill to be imported into the Site is about 150 tons (about 100 cubic yards [cy]) and about 450 tons (about 300 cy), respectively. Backfill placement locations are shown in Figures 5 and 8.

4.3 ENGINEERING CONTROLS

The excavation required for the proposed Site development will achieve Track 4 Site-Specific SCOs. ECs will be employed as part of the remedial action to address residual contamination remaining at the Site. The Site has 2 EC systems, including:

- An engineered composite cover system consisting of concrete walkways, concrete covered sidewalks, a 16-inch thick concrete hydrostatic building slab installed 2 feet below the groundwater table, and clean cover soil in landscaped areas directly above residual soil and historic fill; and

- A waterproofing/vapor barrier membrane system.

Though not considered an engineering control, the Site will also include a ventilated subgrade parking garage in a portion of the new building's cellar.

Composite Cover System

Exposure to residual soil and historic fill will be prevented by an engineered composite cover system to be built on the Site. This composite cover system will be comprised of:

- A minimum 16-inch thick waterproofed, reinforced hydrostatic foundation slab underlying the new building's cellar;
- Minimum 4-inch thick concrete sidewalk slabs in areas overlying residual historic fill; and
- A minimum 2 feet of clean cover soil in landscaped areas above residual historic fill along the eastern edge of the Site.

Figure 8 shows the location of each cover type built at the Site. Figure 9 shows the typical design details for each cover type used on this Site.

At a minimum, imported cover soil will conform to the requirements set forth in the SMMP, included as Appendix D. The cover system will serve as an engineering control for the protection of human health by establishing an incomplete exposure pathway to residual Site soil that exceeds Track 1 Unrestricted Use SCOs. Where clean soil cover is used in landscaped areas, a demarcation layer (e.g., orange snow fencing) will be installed on top of the residual soil layer prior to placing the clean soil cap, with the upper six inches of the soil of sufficient quality to maintain a vegetation layer. Topsoil imported as part of tree plantings and root balls will not be sampled.

The composite cover system will be a permanent EC. The system will be inspected and reported at specified intervals as required by this RAWP and the SMP. A Soil Management Plan will be included in the SMP and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the SMP in the RAR.

Waterproofing/Vapor Barrier Membrane

Potential soil vapor intrusion from on-Site or off-Site sources will be mitigated as part of the new development through a combination of the building foundation slab installed below the water table and a waterproofing/vapor barrier membrane system. The waterproofing/vapor barrier membrane system will consist of Grace Preprufe® 300R (46 mil thickness) and 160R (32 mil thickness) HDPE waterproofing membranes. The waterproofing/vapor barrier membrane will be installed prior to pouring the foundation slab and will continue up the foundation sidewalls in accordance with manufacturer specifications. The specifications for installation will be provided to the construction management company and the foundation contractor or installer of the membrane system. The specifications state that all membrane seams, penetrations, and repairs will be sealed either by the tape method or weld method, according to the manufacturer's recommendations and instructions.

The project's Professional Engineer licensed by the State of New York will have responsibility for overseeing the implementation of the waterproofing/vapor barrier membrane. The extent of the proposed vapor barrier membrane is provided in Figure 10. Installation details with respect to the proposed building foundation, footings, slab, and sidewalls are provided in Figure 11. Specification sheets from the manufacturer are provided in Appendix F. The RAR will include photographs (maximum of two photos per page) of the installation process, and a PE/RA certified letter (on company letterhead) from primary contractor responsible for installation oversight and field inspections, and a copy of the manufacturer's certificate of warranty.

Subgrade Ventilated Parking Garage

Although not considered an engineering control, development plans include construction and operation of a full-time ventilated parking garage in accordance with New York City Mechanical Code. Proposed development plans are included as Appendix A.

4.4 INSTITUTIONAL CONTROLS

Institutional Controls (IC) incorporated in this remedial action to manage residual soil, historic fill, and other media and render the Site protective of public health and the environment.

Institutional Controls are listed below. Long-term employment of EC/ICs will be implemented under a Site-specific SMP that will be included in the RAR. The property will continue to be registered with an E-Designation at the NYC Buildings Department. ICs for this remedial action are:

- Continued registration of the "E" Designation for the property. This RAWP includes a description of all ECs and ICs and summarizes the requirements of the SMP which will note that the property owner and property owner's successors and assigns must comply with the approved SMP;

- Submittal of an SMP in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, inspection, reporting, and certification of ECs. The SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the Site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the Site in order to evaluate the continued maintenance of any controls. This certification shall be submitted at a frequency to be determined by OER in the SMP and will comply with RCNY §43-1407(l)(3);

- Vegetable gardens and farming on the Site are prohibited;

- Use of groundwater underlying the Site is prohibited without treatment rendering it safe for its intended use;

- All future activities on the Site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP; and

- The Site will be used for mixed residential and commercial use and will not be used for a higher level of use without prior approval by OER.

4.5 SITE MANAGEMENT PLAN

Site management will be the last phase of remediation and begins with the approval of the RAR and issuance of the Notice of Completion (NOC) for the Remedial Action. The SMP describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by the E-designation and this RAWP. The SMP is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site management continues until terminated in writing by OER. The property owner is responsible to ensure that all Site management responsibilities defined in the E-designation and the SMP are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil and historic fill left in place following completion of the remedial action in accordance with the Brownfield Cleanup Agreement with OER. This includes a plan for: (1) implementation of ECs and ICs; (2) implementation of monitoring programs; (3) operation and maintenance of ECs; (4) inspection and certification of ECs; and (5) reporting.

Site management activities, reporting, and EC certification will be scheduled by OER on a periodic basis to be established in the SMP and will be subject to review and modification by OER. The SMP will be based on a calendar year and certification reports will be due for submission to OER by July 31 of the year following the reporting period.

4.6 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

The objective of the qualitative exposure assessment is to identify potential receptors and pathways for human exposure to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

Investigation reported in the RIR is sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA). As part of the VCP process, a QHHEA was performed to determine whether the Site poses an existing or future health hazard to the Site's exposed or potentially exposed population. The sampling data from the RI were evaluated to determine whether there is any health risk under current and future conditions by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This QHHEA was prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

Known and Potential Contaminant Sources

The Areas of Concern (AOC) identified for the Site include:

1. Closed Petroleum Spill and Historical Petroleum Bulk Storage at Former Lot 8: A petroleum spill (New York State Department of Environmental Conservation [NYSDEC] Spill No. 13-00212) was associated with the release of motor oil in the maintenance pit of a partial basement at the former express oil change (former Lot 8). The release was presumably caused by flooding during Tropical Storm Sandy. Eight aboveground storage tanks (ASTs) were once present at former Lot 8, including three 1,000-gallon lube oil ASTs, one 500-gallon waste oil AST, and four 500-gallon temporarily-out-of-service ASTs. The spill was remediated under the oversight of Langan and closed by the NYSDEC on June 12, 2013. Three 500-gallon ASTs were removed and closed during the remediation of the spill. Although no significant residual waste oil, petroleum-related staining or odors and preferential migration pathways were identified

in the oil change pit and on the concrete walls and slab of the partial basement post-remediation, this petroleum spill may have adversely impacted soil, groundwater, and/or soil vapor at former Lot 8.

2. Current Use of and Historic Petroleum Bulk Storage at Former Lot 1: Former Lot 1 (356 West Street) is currently used as an automobile repair garage. A 275-gallon waste oil underground storage tank (UST), associated with NYSDEC PBS #2-611746, was removed and closed in January 2013. Although the UST was removed and closed and there is no documentation of a release, it is unclear whether environmental samples (i.e. soil and groundwater) were collected and analyzed as part of the removal work, a deviation from standard industry practice. Leaks or spills of petroleum from the former UST at former Lot 1 may have adversely impacted soil, groundwater and/or soil vapor at former Lot 1.

3. Historic use of Lot 10: Former Lot 10 was previously used as an automobile repair shop. Potential leaks and/or spills of petroleum, solvents, or other hazardous substances typically used by this facility may have adversely impacted soil, groundwater, and/or soil vapor at the Site.

4. Historic Fill: Previous environmental investigations (Langan [2012] and IVI Environmental, Inc. [2007]) at former Lots 8 and 10 identified a surficial layer of historic fill overlying native soil. The historic fill layer extended to depths of about 7 to 10 feet bgs. Concentrations of SVOCs, mostly polycyclic aromatic hydrocarbons (PAHs), and metals (copper, lead, mercury, and zinc) were identified in historic fill at concentrations that exceed the Title 6 NYCRR Part 375-6.8(a) Unrestricted Use SCOs. No VOCs or pesticides exceeded their Unrestricted Use SCOs. No PCBs or herbicides were detected in soil samples. The concentrations of SVOCs and metals were attributed to historic fill and are characteristic of properties in the urban environment.

The RI did not find evidence of petroleum, solvents, or other hazardous substances while investigating AOC #1, AOC #2, or AOC#3. Based on these AOCs, the RI evaluation of the

AOCs, and data from the March 2015 waste characterization study, the contaminants of concern (COC) are summarized below by media type:

Soil COCs:

- VOCs were identified but did not exceed Unrestricted Use SCOs during the RI. One VOC, 2-butanone, exceeded its Unrestricted Use SCO in one soil sample during the waste characterization;
- SVOCs: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene detected at concentrations exceeding Restricted Residential Use SCOs, and 3-methylphenol/4-methylphenol, benzo(k)fluoranthene, and phenol detected above Unrestricted Use SCOs;
- Metals, including arsenic, barium, cadmium, copper, lead, and mercury, exceeded Restricted Residential Use SCOs, and nickel and zinc detected above Unrestricted Use SCOs. Lead was detected at concentrations exceeding its RCRA Maximum Concentration for the Toxicity Characteristic during waste characterization;
- PCBs were identified but did not exceed Unrestricted Use SCOs; and
- Pesticides including 4,4'-DDE, 4,4'-DDT and 4,4'-DDD were identified but did not exceed Restricted Residential Use SCOs.

Groundwater COCs:

- VOCs: Benzene, naphthalene, and toluene detected at concentrations exceeding Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA waters;
- SVOCs: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, and phenol detected at concentrations exceeding TOGS SGVs; and

- Metals: antimony, iron, lead, magnesium, manganese, and sodium detected at concentrations exceeding TOGS SGVs.

Soil Vapor COCs:

- VOCs: PCE was detected at a concentration greater than its NYSDOH AGV.

Nature, Extent, Fate and Transport of Contaminants

The information compiled during previous investigations confirmed the presence of historic fill from surface grade to approximate depths of 4 feet bgs to 13 feet bgs. The fill material generally consists of loose-to-dense, black-to-gray-to-brown, fine-to-coarse sand, with varying amounts of gravel, silt, rock fragments, brick, concrete, mica, slag, coal, ceramic, and wood. SVOCs and metals were detected at concentrations exceeding 6 NYCRR Part 375 Restricted Residential Use SCOs throughout the historic fill, with lead detected at hazardous concentrations near the center of the Site.

Several VOCs, SVOCs, and metals were detected at concentrations above the TOGS SGVs in groundwater. The groundwater samples with VOC and SVOC concentrations exceeding their TOGS SGVs were collected from locations where degraded tar-like waterproofing and treated wood exhibiting a tar-like odor and PID readings above background were apparent in soil samples below the groundwater table at a depth of about 8 feet bgs. The groundwater purged from one of the locations also exhibited a tar-like odor. No free petroleum product or gross contamination was identified at these borings before they were converted to monitoring wells. Furthermore, no petroleum constituents were found in the soil samples collected from these borings. The VOC and SVOC constituents exceeding their TOGS SGVs in these groundwater samples are aromatic and polycyclic aromatic hydrocarbons, compounds typically associated with coal-tar-based products and preservatives (e.g. creosote).

The metals detected in groundwater above their TOGS SGVs are characteristic of brackish and naturally-occurring groundwater conditions. Lead was detected only in total concentrations above its TOGS SGV; lead was not detected in dissolved concentrations above its TOGS SGV. Antimony was detected in total and dissolved concentrations above its TOGS SGV. The

presence of total lead and antimony in groundwater is attributed to the presence of suspended solids derived from historic fill, which was generally found to contain lead and antimony and generally extends into the groundwater table across the Site. Dissolved-phase antimony in groundwater is attributed to the dissolution of an unidentified antimony source in historic fill.

One soil vapor sample collected during the RI identified PCE above its respective NYSDOH AGV. PCE was not detected in Site soil or groundwater, and did not exceed its NYSDOH AGV at other soil vapor sample locations.

Potential Routes of Exposure

An exposure pathway begins with a source and mechanism of contaminant release, resulting in the contamination of a receiving matrix (environmental medium). A complete exposure pathway also requires a point of potential contact with the contaminated matrix (i.e., exposure point), an exposure route (i.e., inhalation, ingestion, or dermal contact), and a receptor population. If an exposure pathway is not complete because it does not include a contaminated matrix, a point of potential contact, an exposure route, or a receptor, then no risk exists.

Currently, due to the Site being fully improved with concrete pavement, potential routes of exposure to historic fill material, soil, groundwater, and soil vapor do not exist.

During construction, impacted soil, groundwater and soil vapor will be encountered and potential routes of exposure (inhalation, ingestion, or dermal contact) exist for construction workers and people adjacent to the Site. During construction, on-Site and off-Site exposures to dust will be addressed through the Soil and Materials Management Plan, dust controls, and through the implementation of the CAMP and CHASP.

Soil exceeding Restricted Residential Use SCOs will be removed across a minimum of 90% of the Site during implementation of this remedy. A composite cover system, a waterproofing/vapor barrier membrane, and a full-time ventilated parking garage will be installed and constructed as part of the development. The 16-inch-thick hydrostatic concrete building slab will be installed 2 feet below the groundwater table, thus eliminating potential contact with

soil vapor. Therefore, there are no potential routes of exposure under future post-construction conditions. Additionally, groundwater in this area of New York City is not a source of drinking water; therefore, the pathway for ingestion is not complete.

Receptor Populations

Potential receptors identified during implementation of the proposed remedy include:

1. On-Site workers: adult (remediation and construction workers);
2. Temporary worker: adult (utility worker/inspector, subcontractors, sampler/remediation inspector); and
3. Public adjacent to the Site: residential buildings, commercial offices, and pedestrian and cyclist rights-of-way are permanently located within 400 feet of the Site.

Overall Human Health Exposure Assessment

There are no complete exposure pathways (i.e., source, route to exposure, receptor population) for the current condition or the post-construction condition. This assessment takes into consideration the reasonably anticipated use of the Site, which includes a mixed-use residential and commercial structure. Excavation will extend to 9 to 12 feet bgs (el. -2 feet) across about 90% of the Site (about 25,670 square feet), with portions of the excavation extending to about 13 to 16 feet bgs (el. -6 feet) to accommodate foundation elements and elevator pits, and the building slab will be installed below the water table, which is at about el. 0. As such, there will be no air space present for vapor to accumulate between the water table and waterproofing membrane. If a gap between the waterproofed foundation slab and the groundwater table develops, the waterproofing/vapor barrier membrane would mitigate potential vapor intrusion concerns. Potential post-construction use of groundwater is not considered an option because of the depth to groundwater and groundwater in this area of New York City is not used as a potable water source. The surface waters of the Hudson River are in close proximity to the Site.

A potential complete exposure pathway that requires mitigation exists during the implementation of the remedy. The potentially exposed receptors during remedy implementation are workers on the Site and the public adjacent to the Site. Unacceptable exposure pathways will be mitigated or eliminated by proper implementation of a CHASP and CAMP. The CHASP specifies appropriate monitoring and controls required to mitigate or eliminate the pathway between sources and Site workers. The CAMP specifies appropriate monitoring and controls required to mitigate or eliminate the pathway between sources and the adjacent public.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 PROJECT ORGANIZATION AND OVERSIGHT

The following project personnel are anticipated for oversight of the RAWP implementation:

Remediation Engineer:	Jason J. Hayes, P.E.
Project Manager:	Gerald Nicholls, P.E., CHMM
Langan Health & Safety Officer:	Tony Moffa, CHMM
Site Safety Coordinator	William Bohrer
Qualified Environmental Professional (QEP)	Greg Wyka
Field Team Leader	Patrick Farnham
Quality Assurance Officer	Michael Burke, CHMM

A qualified environmental professional (QEP) or the remediation engineer (RE) will directly supervise field engineers, scientists and geologists that will be on Site during remedial action to monitor particulates and organic vapor in accordance with the CAMP. CAMP results that exceed specified action levels will be reported to OER in daily reports.

A QEP or the RE will directly supervise field engineers, scientists and geologists that will meet with the construction superintendent on a daily basis to discuss the plans for that day and schedule upcoming activities. The field engineers/scientists and geologists will document all

remedial activities in the daily report. This document will be forwarded to the Field Team Leader on a daily basis and to the Project Manager and the RE on a weekly basis.

A QEP or the RE will directly supervise field engineers, scientists and geologists that will screen the excavation with a PID during intrusive activities. All readings will be noted in the record. Elevated readings will be reported to OER in the daily reports. The field engineers, scientists and geologists will collect the excavation endpoint samples in accordance with this RAWP.

A photo log will be kept to document construction activities by still photos. The photo log may also be used to record activities recorded in the daily report.

The project field book will be used to document all sampling activities and how they correspond to the RAWP. All observations, field and/or laboratory tests will be recorded in the project field book or on separate logs. Recorded field observations may take the form of notes, charts, sketches, or photographs.

The Field Team Leader will maintain the current field book and all original field paperwork during the performance of work. The Project Manager will maintain the field paperwork after completion and will maintain all submittal document files.

5.2 SITE SECURITY

Site access will be controlled by gated entrances to the fenced property.

5.3 WORK HOURS

The hours for operation of remedial construction will be in accordance with the New York City Department of Buildings construction code requirements or according to specific variances issued by that agency.

5.4 CONSTRUCTION HEALTH AND SAFETY PLAN

The Construction Health and Safety Plan (CHASP) is included in Appendix G. The Site Safety Coordinator will be William Bohrer. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the CHASP and applicable laws and regulations. The CHASP pertains to remedial and invasive work performed at the Site until the issuance of the Notice of Completion.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. The Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the CHASP and be required to sign a CHASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the Site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the CHASP. That document will define the specific project contacts for use in case of emergency.

5.5 COMMUNITY AIR MONITORING PLAN

Real-time air monitoring for VOCs and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media.

Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, and test pit excavation or trenching.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well bailing/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedances of action levels observed during performance of the Community Air Monitoring Plan (CAMP) will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

VOCs will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings used for decision purposes, if any, will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

5.6 AGENCY APPROVALS

All permits or government approvals required for remedial construction will be obtained prior to the start of remedial construction. Approval of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 SITE PREPARATION

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the Site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a

minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Mark-Out Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

Dewatering

Dewatering will be required to accommodate the proposed construction because excavation for foundation components will extend below the groundwater table. Dewatering is also considered a remedial component because it is necessary to facilitate the excavation of historic fill. All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed by the Contractor in accordance with applicable laws and regulations. The methods of dewatering shall be at the option of the Contractor, provided that dewatering is accomplished in a manner that shall preserve the strength of foundation strata; shall not cause instability of the excavation sides; shall not result in loss of ground from beyond the property lines; shall not cause damage to existing structures, streets, pavements, and utilities; and complies with all applicable regulations. Dewatering may require a water withdrawal permit from the NYSDEC depending on the design and extraction rate of the dewatering system.

Dewatering fluids from temporary construction may be managed through either of the three the following methods:

- Permitted discharge to the NYCDEP municipal sewer system;
- Permitted discharge to the surface waters of the Hudson River; or
- Containerization and off-Site disposal at permitted or licenses treatment, storage or disposal facility.

A brief description of each option and regulatory requirements is provided in the sections below.

Discharges to the NYCDEP Municipal Sewer System

Dewatering fluids discharged to the municipal sewer system would be authorized upon receipt of a sewer discharge permit from the NYCDEP. The NYCDEP regulates discharges to the New York City municipal sewer system pursuant to Title 15 Rules of the City of New York Chapter 19. Receiving a sewer discharge permit from the NYCDEP would require completing a Wastewater Quality Control Application, submitting laboratory analytical data, and paying payment of fees upfront. The dewatering fluid would be pretreated as necessary to meet the NYCDEP limitations for effluent to sewer system. Copies of all NYCDEP and NYSDEC permits and supporting documentation would be included in the RAR.

Discharges to the Surface Waters of the Hudson River

Dewatering fluids discharged to the surface waters of the Hudson River would be authorized upon receipt of a State Pollutant Discharge Elimination System (SPDES) permit or a SPDES Non-Jurisdictional Determination (NJD) from the NYSDEC. The dewatering fluids would be pretreated as necessary to meet the requirements of the SPDES permit. Copies of all NYSDEC permits and supporting documentation would be included in the closure report.

Containerization and Off-Site Disposal

The dewatering fluids would be containerized in appropriate vessels (e.g., frac tanks, vacuum trucks, or equivalent) and transported off-Site for disposal at a permitted treatment, storage or disposal facility. Dewatering fluids would be characterized before transport off-Site for disposal

purposes in a manner consistent with the requirements of the receiving facility and in compliance with applicable laws and regulations. Waste characterization samples would be analyzed by a laboratory that is certified by the state in which the receiving facility is located and shall be collected at a frequency specified by the selected disposal facility. Dewatering fluids would be transported off-Site in accordance with the requirements of Section 2.7 and in compliance with applicable laws and regulations.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the Site will not track soil, fill or debris off-Site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project-related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

Extreme Storm Preparedness and Response Contingency Plan

Damage from flooding or storm surge can include dislocation of soil and stockpiled materials, dislocation of Site structures and construction materials and equipment, and dislocation of support of excavation structures. Damage from wind during an extreme storm event can

create unsafe or unstable structures, damage safety structures and cause downed power lines creating dangerous Site conditions and loss of power. In the event of emergency conditions caused by an extreme storm event, the enrollee will undertake the following steps for Site preparedness prior to the event and response after the event.

Storm Preparedness

Preparations in advance of an extreme storm event will include the following: containerized hazardous materials and fuels will be removed from the property; loose materials will be secured to prevent dislocation and blowing by wind or water; heavy equipment such as excavators and generators will be removed from holes, trenches and depressions on the property to high ground or removed from the property; an inventory of the property with photographs will be performed to establish conditions for the Site and equipment prior to the event; stockpile covers for soil and fill will be secured by adding weights such as sandbags for added security and worn or ripped stockpile covers will be replaced with competent covers; stockpiled hazardous wastes will be removed from the property; storm-water management systems will be inspected and fortified, including, as necessary: clean and reposition silt fences, hay bales; clean storm sewer filters and traps; and secure and protect pumps and hosing.

Storm Response

At the conclusion of an extreme storm event, as soon as it is safe to access the property, a complete inspection of the property will be performed. A Site inspection report will be submitted to the OER at the completion of Site inspection and after the Site security is assessed. Site conditions will be compared to the inventory of Site conditions and material performed prior to the storm event and significant differences will be noted. Damage from storm conditions that result in acute public safety threats, such as downed power lines or imminent collapse of buildings, structures or equipment will be reported to public safety authorities via appropriate means such as calling 911. Petroleum spills will be reported to NYSDEC within 2 hours of identification and consistent with state regulations. Emergency and spill conditions will also be reported to the OER.

Public safety structures, such as construction security fences, will be repaired promptly to eliminate public safety threats. Debris will be collected and removed. Dewatering will be performed in compliance with existing laws and regulations and consistent with emergency notifications, if any, from proper authorities. Eroded areas of soil including unsafe slopes will be stabilized and fortified. Dislocated materials will be collected and appropriately managed. Support of excavation structure will be inspected and fortified as necessary. Impacted stockpiles will be contained and damaged stockpile covers will be replaced. Storm-water control systems and structures will be inspected and maintained as necessary.

If soil or fill materials are discharged off Site to adjacent properties, property owners and the OER will be notified and corrective measure plan designed to remove and clean dislocated material will be submitted to the OER and implemented following approval by the OER and granting of Site access by the property owner. Impacted off-Site areas may require characterization based on Site conditions, at the discretion of the OER. If on-Site petroleum spills are identified, a qualified environmental professional will determine the nature and extent of the spill and report to the NYSDEC's spill hotline at 1-800-457-7362. If the source of the spill is ongoing and can be identified, it should be stopped if this can be done safely. Potential hazards will be addressed immediately, consistent with guidance issued by the NYSDEC.

Storm Response Reporting

A Site inspection report will be submitted to the OER at the completion of Site inspection. An inspection report established by the OER is available on the OER's website (www.nyc.gov/oer) and will be used for this purpose. Site conditions will be compared to the inventory of Site conditions and material performed prior to the storm event and significant differences will be noted. The Site inspection report will be sent to the OER project manager and will include the Site name, address, tax block and lot, site primary and alternate contact name and phone number. Damage and soil release assessment will include:

- Whether the project had stockpiles;
- Whether stockpiles were damaged;

- Photographs of damage and plan for repair;
- Assessment of whether soil or impacted media left the Site;
- Volume estimates, nature of impacts, and photographs of soil or impacted media that left the Site;
- Description of erosion damage;
- Description of equipment damage;
- Description of damage to the remediation or construction program (e.g., damage to the support of excavation);
- Presence of on-Site or off-Site exposure pathways caused by the storm;
- Presence of petroleum or other spills and status of spill reporting to NYSDEC; and
- Description of and schedule for corrective actions.

This report should be completed and submitted to OER project manager with photographs within 24 hours of the time of safe entry to the property after the storm event.

5.8 TRAFFIC CONTROL

Drivers of trucks leaving the NYCVCP Site with soil and/or historic fill will be instructed to proceed without stopping in the vicinity of the Site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the Site is shown on Figure 12.

5.9 DEMOBILIZATION

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);

- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination; and
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (e.g., soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 REPORTING AND RECORD KEEPING

Daily Reports

Daily reports providing a general summary of activities for each day of active remedial work will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the Site;
- Status of on-Site soil and historic fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP data and any excursions; and
- Photograph(s) of notable Site conditions and activities.

The frequency of the reporting period may be revised in consultation with the OER project manager based on planned project tasks. Daily email reports are not intended to be the primary

mode of communication for notification to the OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an appendix in the RAR.

Record Keeping and Photo Documentation

Jobsite record keeping for all remedial work will be performed. These records will be maintained on-Site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the Site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas.

5.11 COMPLAINT MANAGEMENT

All complaints from citizens will be promptly reported to the OER. Complaints will be addressed and outcomes will also be reported to the OER in daily reports. Notices to the OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

All changes to the RAWP will be reported to the OER Project Manager and will be documented in daily reports and reported in the RAR. The process to be followed if there are any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

6.0 REMEDIAL ACTION REPORT

A Remedial Action Report (RAR) will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- Site Management Plan;
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents;
- Tabular summary of all documentation sampling results and all material characterization results, QA/QC results for documentation sampling, and other sampling and laboratory analysis performed;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all contaminated material removed from the Site including a map showing source areas;
- Account of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material.
- Account of the origin and required analytical testing for material imported onto the Site; and

- The Site will continue to be registered with an "E" Designation by the NYC Department of Buildings.

Reports and supporting material will be submitted in digital form.

Remedial Action Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Action Report. The certification will include the following statements:

I, [name], am currently a registered professional engineer licensed by the State of New York. I performed professional engineering services and had primary direct responsibility for implementation of the remedial program for the [site name (address)] site, site number [site number]. I certify to the following:

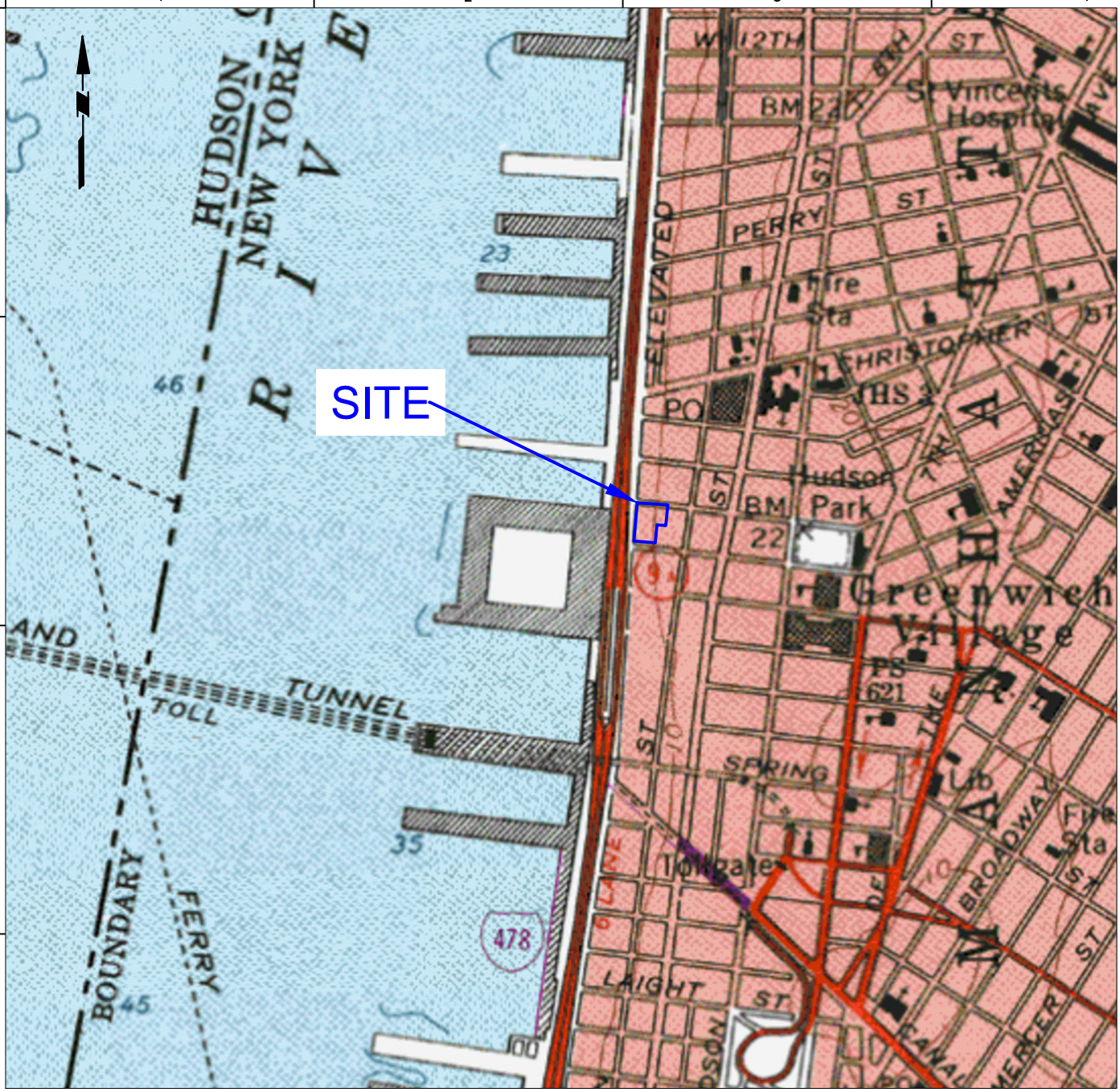
- *I have reviewed this document, to which my signature and seal are affixed.*
- *Engineering Controls implemented during this remedial action were designed by me or a person under my direct supervision and achieve the goals established in the Remedial Action Work Plan for this site.*
- *The Engineering Controls constructed during this remedial action were professionally observed by me or by a person under my direct supervision and (1) are consistent with the Engineering Control design established in the Remedial Action Work Plan and (2) are accurately reflected in the text and drawings for as-built design reported in this Remedial Action Report.*
- *The OER-approved Remedial Action Work Plan dated [date] and Stipulations in a letter dated [date] were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.*

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to the OER. Currently, an eight month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	0	-
Fact Sheet 2 announcing start of remedy	0	-
Mobilization	0	1
Remedial Excavation	1	24
Demobilization	25	2
Submit Remedial Action Report	30	5

Figures



LEGEND

APPROXIMATE SITE BOUNDARY

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SOURCE: USGS TOPOGRAPHIC QUADRANGLE JERSEY CITY, NJ

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Project	Figure Title	Project No.	Figure No.
160 LEROY STREET BLOCK No. 601, LOT No. 10 NEW YORK NEW YORK NEW YORK	SITE LOCATION MAP	170215701	1
		Date 4/28/2015	
		Scale NTS	
		Drawn By GCW	
		Submission Date	Sheet 1 of 12

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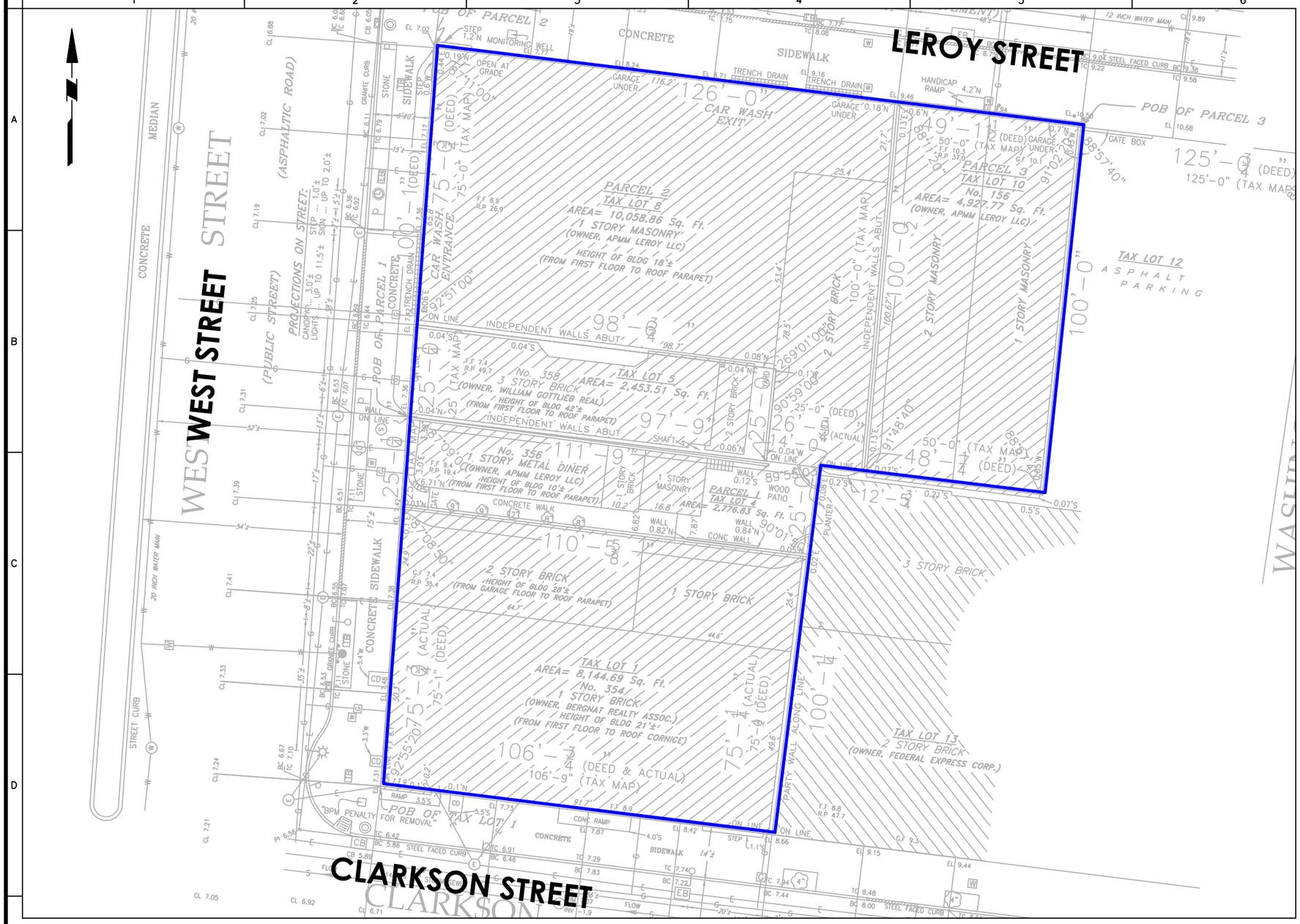

LEGEND

APPROXIMATE SITE BOUNDARY

GENERAL NOTES

1. BASE MAP SOURCE: SURVEY BY NY LAND SURVEYOR, P.C. (AUGUST 20, 2014).
2. DATUM IS NATIONAL VERTICAL DATUM OF 1988. DATUM REFERS TO THE NATIONAL VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEA LEVEL DATUM AT SANDY HOOK, NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS NGVD 1929)

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Figure Title
SITE PLAN

Project No. 170215701	Figure No. 2
Date 4/28/2015	
Scale 1" = 30'	
Drawn By GCW	
Submission Date –	Sheet 2 of 12

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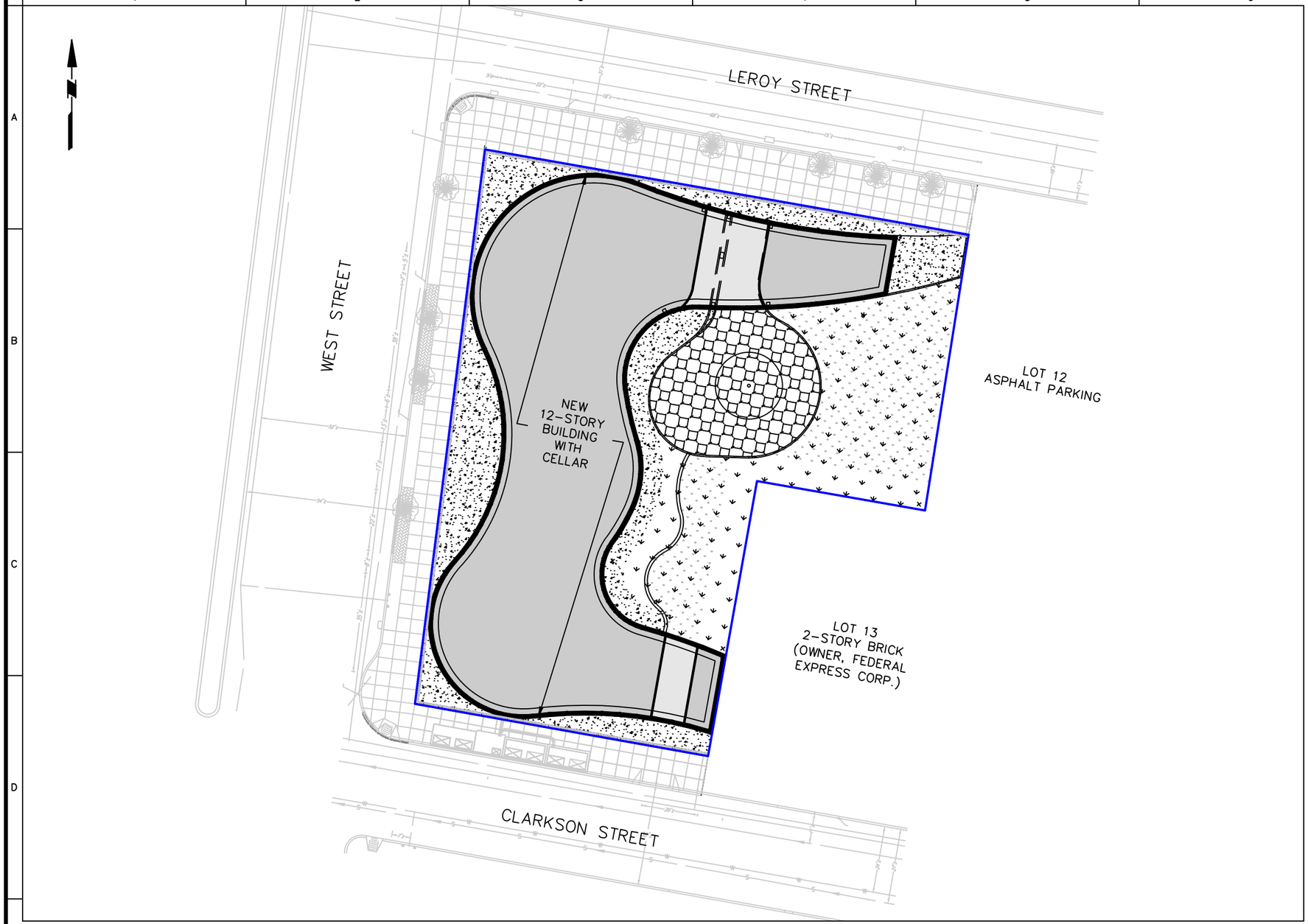

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE EXTENT OF LANDSCAPED AREAS
- APPROXIMATE EXTENT OF COBBLESTONE DRIVEWAY
- APPROXIMATE EXTENT OF IMPERVIOUS (CONCRETE) AREAS

GENERAL NOTES

1. BASE MAP SOURCE: 170215701-SP0101 PREPARED BY LANGAN DATED MARCH 4, 2015.

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Figure Title
PROPOSED DEVELOPMENT PLAN

Project No. 170215701	Figure No. 3
Date 4/28/2015	
Scale 1" = 40'	
Drawn By GCW	
Submission Date	Sheet 3 of 12

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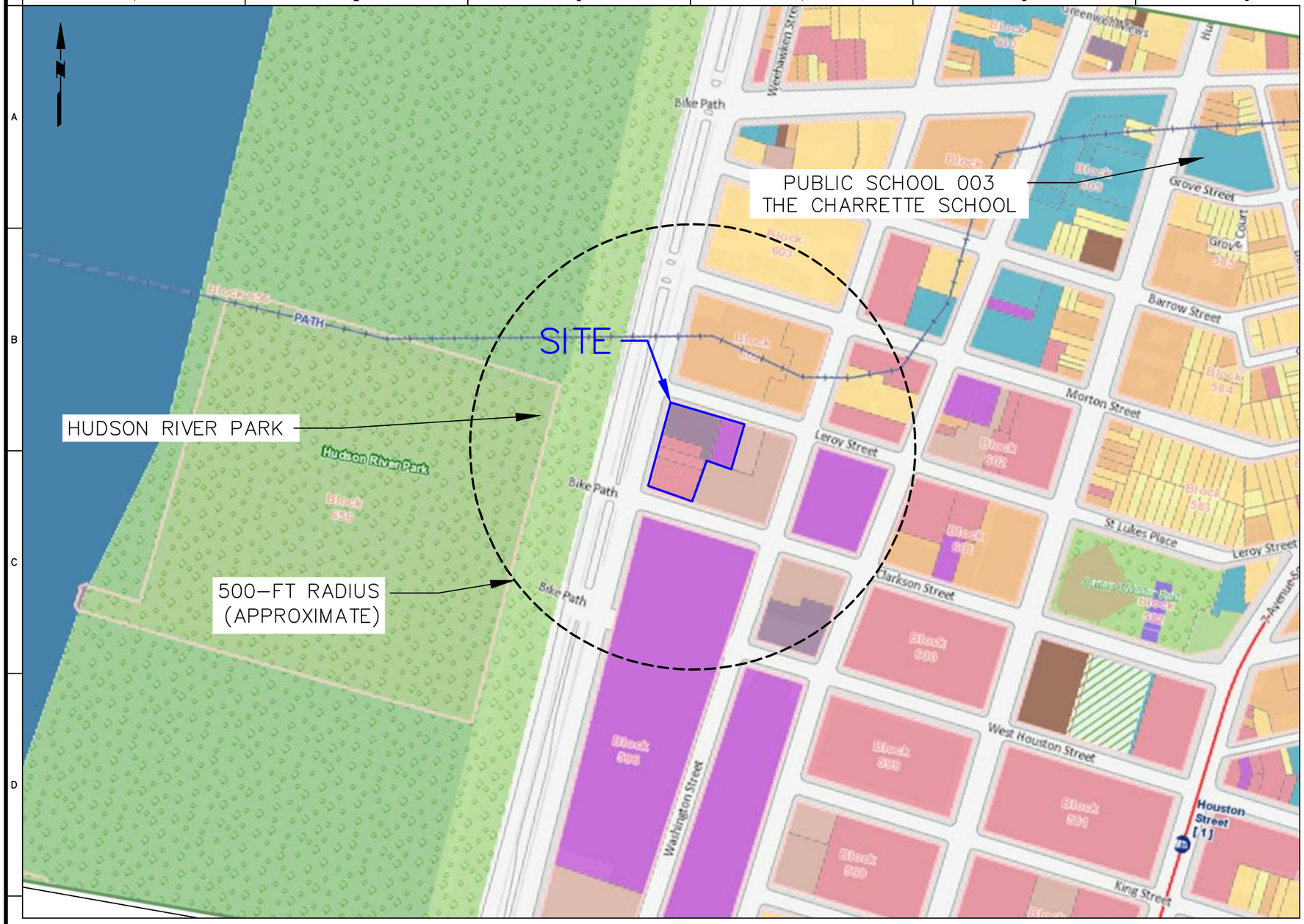
Filename: \\langan.com\data\NY\data7\170215701\Cadd Data - 170215701\SheetFiles\Environmental\Remedial Action Work Plan\Figure 3 - Proposed Development Plan.dwg Date: 5/19/2015 Time: 16:14 User: pfarnham Style Table: Langan.stb Layout: ANSIB-BL



LEGEND

APPROXIMATE SITE BOUNDARY

TEXT SENSITIVE RECEPTORS

LAND USE CATEGORIES

- 1&2 FAMILY RESIDENTIAL
- MULTI-FAMILY RESIDENTIAL
- MIXED-USE
- OPEN SPACE & OUTDOOR RECREATION
- COMMERCIAL
- INSTITUTIONS
- INDUSTRIAL
- PARKING
- TRANSPORTATION & UTILITIES
- VACANT LOTS

GENERAL NOTES

1. BASE MAP SOURCE: NYC OASIS MAPS.

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Figure Title
LAND USE AND SENSITIVE RECEPTORS MAP

Project No. 170215701	Figure No. 4
Date 3/10/2015	
Scale 1" = 250'	
Drawn By GCW	
Submission Date	Sheet 4 of 12

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Filename: \\langan.com\data\NY\data7\170215701\Cadd Data - 170215701\SheetFiles\Environmental\Remedial Action Work Plan\Figure 4 - Land Use and Sensitive Receptors Map.dwg Date: 5/22/2015 Time: 08:50 User: pfarnham Style Table: Langan.stb Layout: ANSIB-BL (1)

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE EXTENT OF EXCAVATION IN NEW BUILDING FOOTPRINT. EXCAVATION WILL EXTEND TO ABOUT EL. −2 FEET (ABOUT 9 TO 12 FEET BELOW GRADE) TO ACCOMMODATE THE FOUNDATION SLAB AND TO ABOUT EL. −4.5 FEET (ABOUT 11.5 TO 14.5 FEET BELOW GRADE) TO ACCOMMODATE PILE CAPS AND GRADE BEAMS.
- APPROXIMATE EXTENT OF EXCAVATION IN NEW BUILDING FOOTPRINT. EXCAVATION WILL EXTEND TO ABOUT EL. −4.7 FEET (ABOUT 11.7 TO 14.7 FEET BELOW GRADE) TO ACCOMMODATE MAT FOUNDATIONS.
- APPROXIMATE EXTENT OF EXCAVATION IN NEW BUILDING FOOTPRINT. EXCAVATION WILL EXTEND TO ABOUT EL. −6 FEET (ABOUT 13 TO 16 FEET BELOW GRADE) TO ACCOMMODATE THE MAIN ELEVATOR PITS, FREIGHT ELEVATOR PIT, AND HOUSE EJECTOR/SUMP PITS.
- APPROXIMATE EXTENT OF EXCAVATION TO ABOUT EL. 8 (ABOUT 2 FEET BELOW GRADE) TO ACCOMMODATE PLACEMENT OF MINIMUM 2-FOOT CERTIFIED CLEAN COVER MATERIAL UNDERLAIN BY A HIGHLY-VISIBLE DEMARCATION BARRIER.
- APPROXIMATE AREAS OF BACKFILLING TO ACHIEVE FINAL DEVELOPMENT GRADES

GENERAL NOTES

1. BASE MAP SOURCE: 170215701-BE101-0104 PREPARED BY LANGAN DATED MARCH 4, 2015
2. TOP OF FOUNDATION SLAB IS EL. 0 FEET.
3. FINAL EXCAVATION DEPTH FOR FOUNDATION SLAB IS APPROXIMATE AND MAY VARY BASED ON PRACTICALITY (ADJACENT STRUCTURES AND/OR DEWATERING).
4. ELEVATIONS REFERENCED HEREIN REFER TO NATIONAL VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEA LEVEL DATUM AT SANDY HOOK, NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS NGVD 1929).

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Figure Title
PROPOSED EXCAVATION AND FILL PLAN

Project No. 170215701	Figure No. 5
Date 4/28/2015	
Scale 1" = 40'	
Drawn By GCW	
Submission Date	Sheet 5 of 12

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Filename: \\langan.com\data\NY\data7\170215701\Cadd Data - 170215701\SheetFiles\Environmental\Remedial Action Work Plan\Figure 5 - Proposed Excavation and Fill Plan.dwg Date: 5/29/2015 Time: 12:45 User: pfarnham Style Table: Langan.stb Layout: ANSIB-BL

LEGEND

- APPROXIMATE SITE BOUNDARY
- SB-F2 — COMPLETED WASTE CHARACTERIZATION BORING LOCATION AND ID
- SB-H1 — PROPOSED SUPPLEMENTAL WASTE CHARACTERIZATION BORING LOCATION AND ID
- PRELIMINARY HAZARDOUS LEAD DELINEATION SAMPLING AREA

GENERAL NOTES

1. MAP SOURCE: SURVEY BY NY LAND SURVEYOR, P.C. (AUGUST 20, 2014)
2. NORTH ARROW SHOWS TRUE NORTH.
3. SOIL BORING LOCATIONS ARE APPROXIMATE.
4. ELEVATIONS SHOWN IN THIS DRAWING ARE BASED IN NATIONAL VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEAL LEVEL DATUM AT SANDY HOOK, NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS NVGD 1929).
5. COMPLETED WASTE CHARACTERIZATION BORINGS WERE PERFORMED BY LANGAN IN MARCH 2015.
6. HAZARDOUS LEAD DELINEATION SAMPLING PLAN WILL BE COORDINATED IN COLLABORATION WITH THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL REMEDIATION (OER)

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Drawing Title
PRELIMINARY HAZARDOUS LEAD DELINEATION SAMPLING PLAN

Project No. 170215701	Drawing No. 6
Date 5/4/2015	
Scale 1" = 30'	
Drawn By PTF	
Submission Date	Sheet 6 of 12

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LEGEND

APPROXIMATE SITE BOUNDARY

APPROXIMATE EXTENT OF EXCAVATION IN NEW BUILDING FOOTPRINT. EXCAVATION WILL EXTEND TO ABOUT EL. −2 FEET (ABOUT 9 TO 12 FEET BELOW GRADE) TO ACCOMMODATE THE FOUNDATION SLAB AND TO ABOUT EL. −4.5 FEET (ABOUT 11.5 TO 14.5 FEET BELOW GRADE) TO ACCOMMODATE PILE CAPS AND GRADE BEAMS.

APPROXIMATE EXTENT OF EXCAVATION IN NEW BUILDING FOOTPRINT. EXCAVATION WILL EXTEND TO ABOUT EL. −4.7 FEET (ABOUT 11.7 TO 14.7 FEET BELOW GRADE) TO ACCOMMODATE MAT FOUNDATIONS

APPROXIMATE EXTENT OF EXCAVATION IN NEW BUILDING FOOTPRINT. EXCAVATION WILL EXTEND TO ABOUT EL −6 FEET (ABOUT 13 TO 16 FEET BELOW GRADE) TO ACCOMMODATE THE MAIN ELEVATOR PITS, FREIGHT ELEVATOR PIT, AND HOUSE EJECTOR/SUMP PITS.

DS01 PROPOSED DOCUMENTATION SAMPLE LOCATION AND ID

GENERAL NOTES

1. BASE MAP SOURCE: 170215701−BE101−0104 PREPARED BY LANGAN DATED MARCH 4, 2015
2. TOP OF FOUNDATION SLAB IS EL. 0 FEET.
3. FINAL EXCAVATION DEPTH FOR FOUNDATION SLAB IS APPROXIMATE AND MAY VARY BASED ON PRACTICALITY (ADJACENT STRUCTURES AND/OR DEWATERING).
4. DOCUMENTATION SOIL SAMPLES WILL BE COLLECTED FROM TOP OF SUBGRADE AFTER EXCAVATION.
5. DOCUMENTATION SOIL SAMPLES WILL BE ANALYZED FOR VOLATILE ORGANIC COMPOUNDS, SEMIVOLATILE ORGANIC COMPOUNDS, POLYCHLORINATED BIPHENYLS, PESTICIDES, AND METALS.
6. ELEVATIONS REFERENCED HEREIN REFER TO NATIONAL VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEA LEVEL DATUM AT SANDY HOOK, NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS NGVD 1929).

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Figure Title
DOCUMENTATION SAMPLING PLAN

Project No. 170215701	Figure No. 7
Date 4/28/2015	
Scale 1" = 40'	
Drawn By GCW	
Submission Date	Sheet 7 of 12

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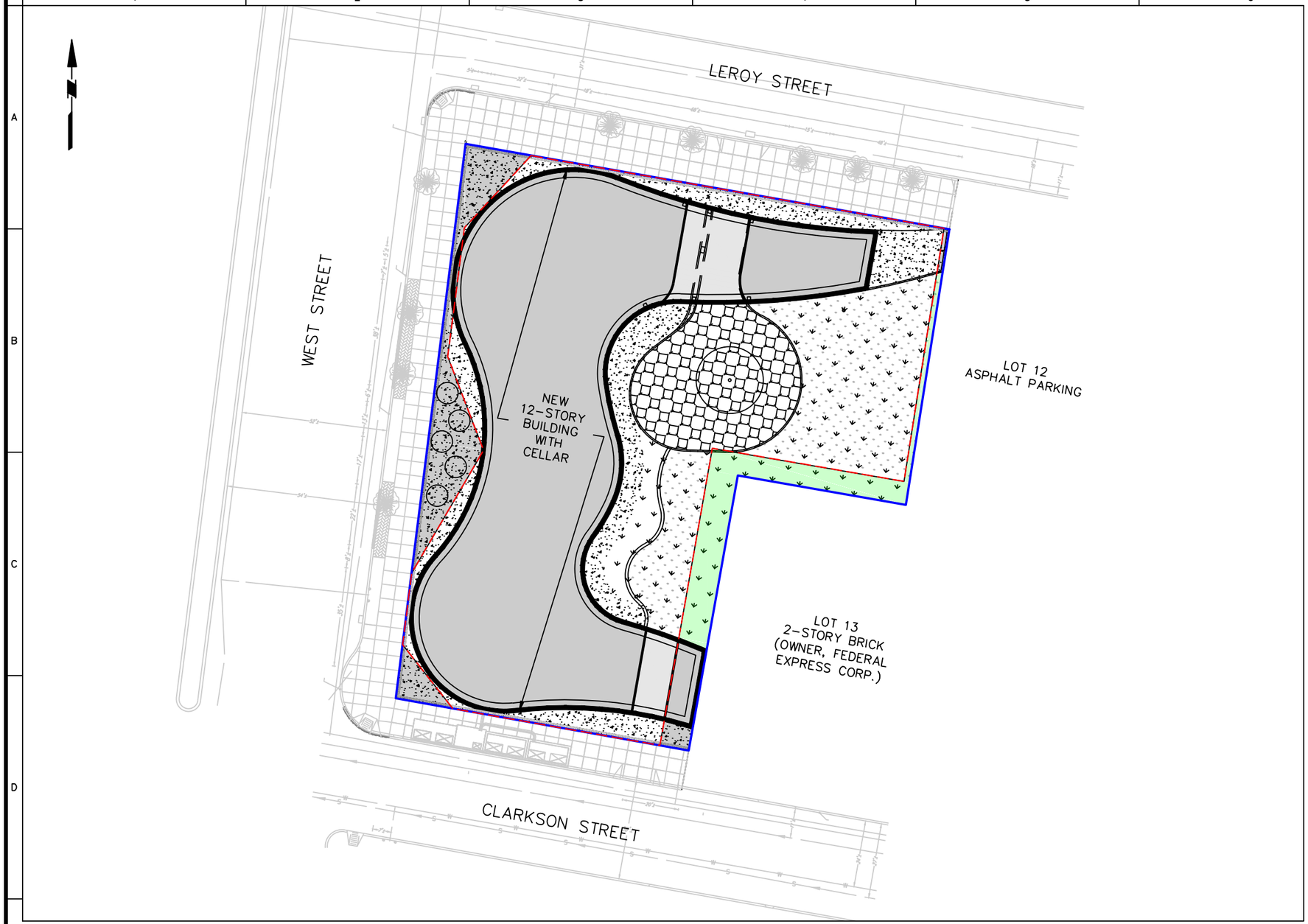

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE EXTENT OF CONCRETE FOUNDATION SLAB AND WALLS (CELLAR FOOTPRINT)
- APPROXIMATE EXTENT OF LANDSCAPED AREA (ABOVE CELLAR)
- APPROXIMATE EXTENT OF LANDSCAPED AREA (AT GRADE) WITH A MINIMUM 2-FEET OF CERTIFIED CLEAN COVER MATERIAL UNDERLAIN BY A HIGHLY-VISIBLE DEMARCATION BARRIER
- APPROXIMATE EXTENT OF COBBLESTONE DRIVEWAY (ABOVE CELLAR)
- APPROXIMATE EXTENT OF IMPERVIOUS (CONCRETE) AREAS (ABOVE CELLAR)
- APPROXIMATE EXTENT OF ON-SITE IMPERVIOUS (CONCRETE) AREAS (AT GRADE)
- TREE PLANTINGS IN IMPERVIOUS (CONCRETE) AREAS WITH A MINIMUM OF 2 FEET OF TOPSOIL UNDERLAIN BY A HIGHLY-VISIBLE DEMARCATION BARRIER

GENERAL NOTES

1. BASE MAP SOURCE: 170215701-SP0101 PREPARED BY LANGAN DATED MARCH 4, 2015.
2. REFERENCES: L-200 AND L-300 PREPARED BY MPFP pLLC DATED MARCH 4, 2015 AND FO-100 PREPARED BY DESIMONE DATED MARCH 4, 2015.

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Figure Title
COMPOSITE COVER SYSTEM LAYOUT

Project No. 170215701	Figure No. 8
Date 4/28/2015	
Scale 1" = 40'	
Drawn By GCW	
Submission Date	Sheet 8 of 12

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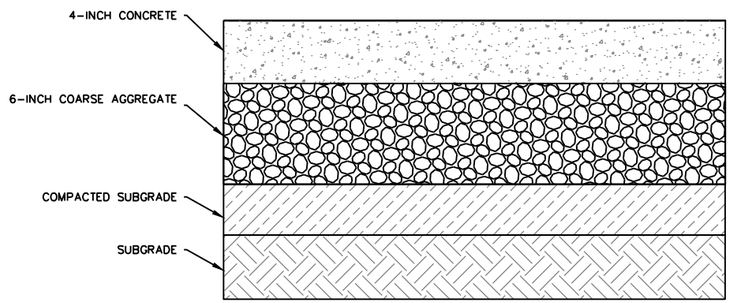
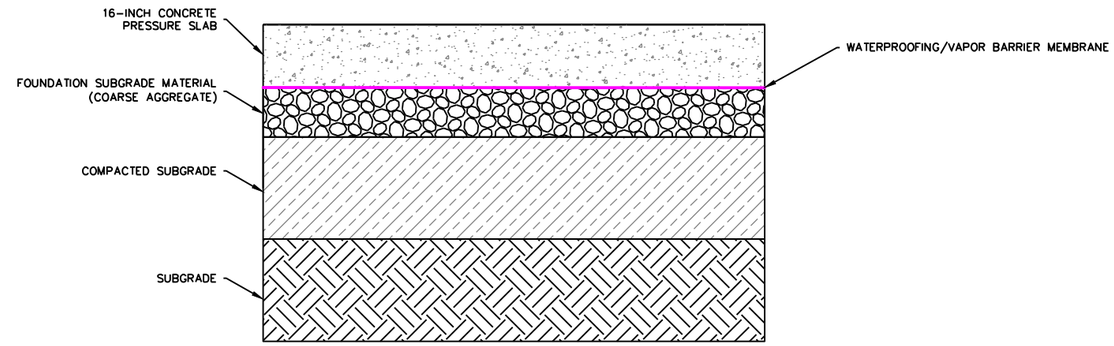
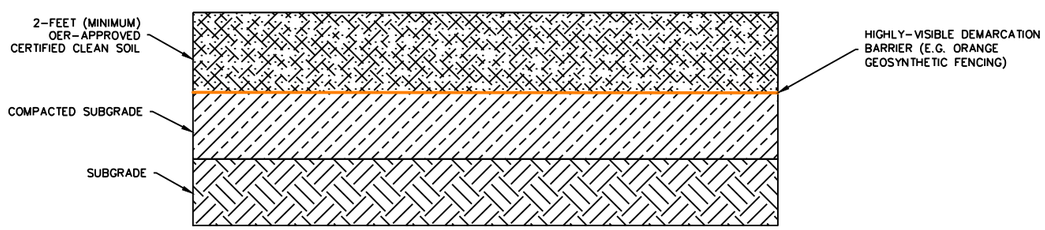


DETAIL 1: TYPICAL DETAIL FOR AT-GRADE IMPERVIOUS (CONCRETE) AREAS
(NOT TO SCALE)



DETAIL 2: TYPICAL DETAIL FOR FOUNDATION SLAB
(NOT TO SCALE)



DETAIL 3: TYPICAL DETAIL FOR CERTIFIED CLEAN COVER DETAIL FOR AT-GRADE LANDSCAPED AREAS AND TREE PLANTINGS
(NOT TO SCALE)

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Langan International LLC
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Project
160 LEROY STREET
Block 601, Lot 10
NEW YORK
NEW YORK NEW YORK

Figure Title
COMPOSITE COVER SYSTEM DETAILS

Project No. 170215701	Figure No. 9
Date 3/9/2015	
Scale NTS	
Drawn By GCW / Checked By GN	
Submission Date	Sheet 9 of 12

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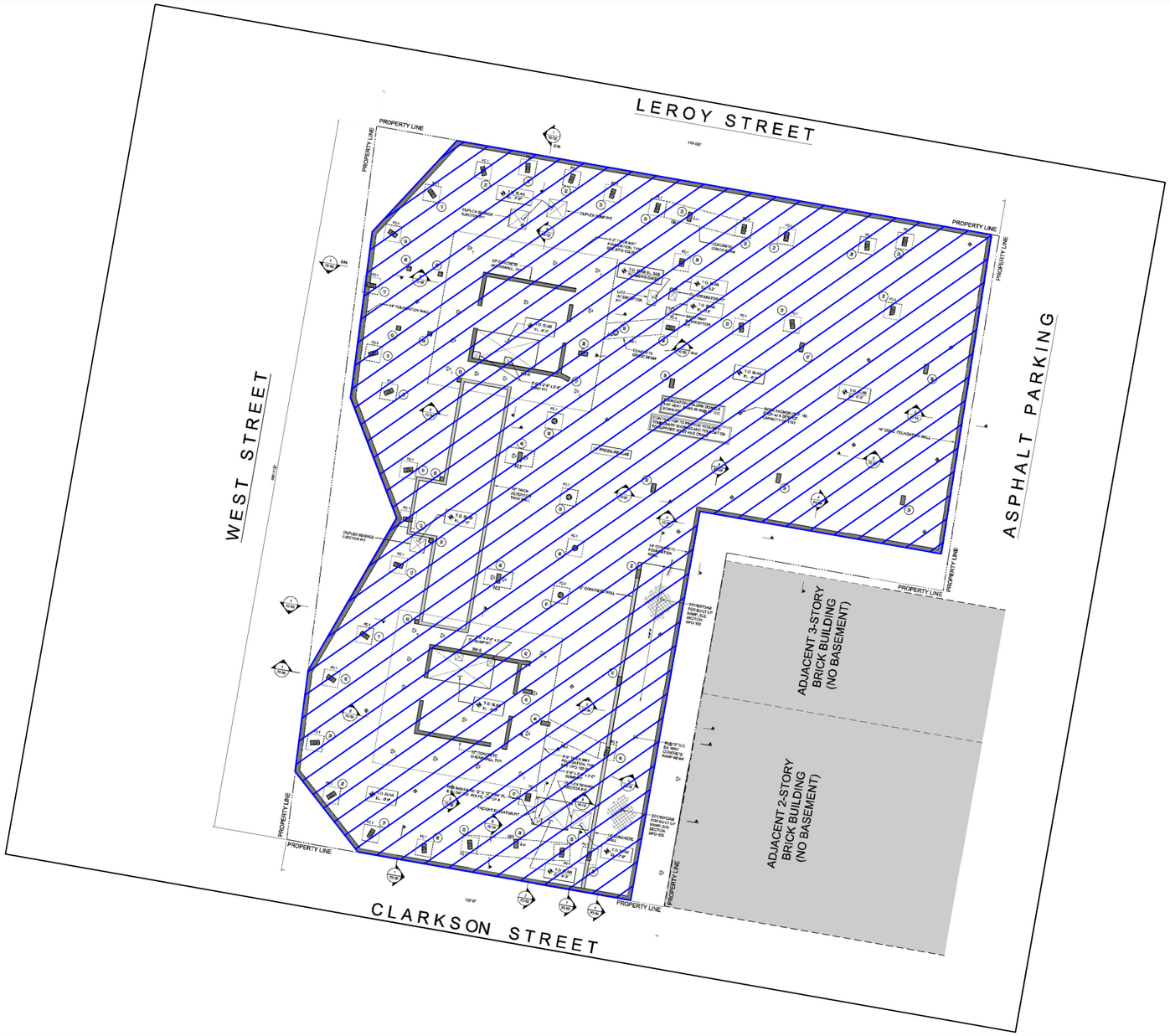

LEGEND

APPROXIMATE EXTENT OF WATERPROOFING/VAPOR BARRIER MEMBRANE SYSTEM

DRAFT NOT FOR CONSTRUCTION

GENERAL NOTES

1. BASE MAP SOURCE: FOUNDATION AND CELLAR PLAN PREPARED BY DESIMONE DATED MARCH 4, 2015
2. THE WATERPROOFING/VAPOR BARRIER MEMBRANE SHALL BE INSTALLED UNDER THE FOUNDATION SLAB, ELEVATOR PITS, PILE CAPS AND GRADE BEAMS EXTENDING ALONG THE SUBSURFACE WALLS OF THE FOUNDATION FROM THE BASE OF THE EXCAVATION TO SURFACE GRADE.
3. THE WATERPROOFING/VAPOR BARRIER MEMBRANE SYSTEM SHALL BE INCLUDE W.R. GRACE PREPRUFE 300R (OR APPROVED EQUIVALENT) AND GRACE BITUTHENE 4000 (OR APPROVED EQUIVALENT) AND HAVE A MINIMUM THICKNESS OF 20 MILS.
4. THE WATERPROOFING/VAPOR BARRIER MEMBRANE SYSTEM IS DESIGNED BY OTHERS.

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Figure Title
VAPOR BARRIER SYSTEM LAYOUT

Project No. 170215701	Figure No. 10
Date 4/28/2015	
Scale NTS	
Drawn By GCW	
Submission Date	Sheet 10 of 12

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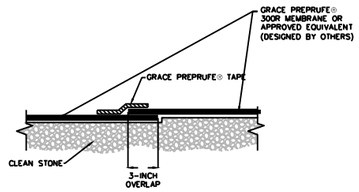
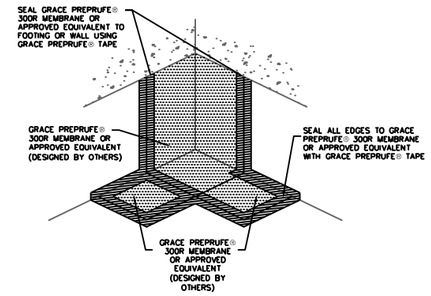
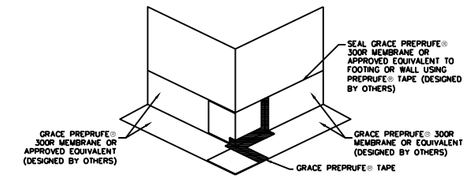
Filename: \\langan.com\data\NY\data7\170215701\Cadd Data - 170215701\SheetFiles\Environmental\Remedial Action Work Plan\Figure 10 - Vapor Barrier System Layout.dwg Date: 5/4/2015 Time: 15:08 User: pfarnham Style Table: Langan.stb Layout: ANSIB-BL



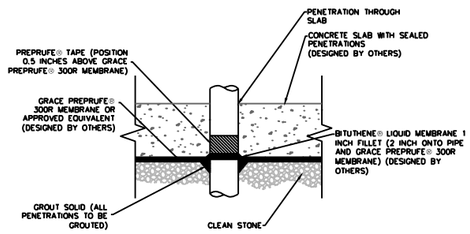
DETAIL 1: TYPICAL VAPOR BARRIER ASSEMBLY AT SEAMS (TAPE LAP METHOD)
NOT TO SCALE



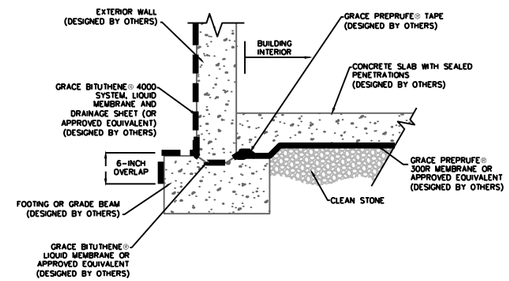
DETAIL 2: TYPICAL VAPOR BARRIER ASSEMBLY AT INSIDE CORNER
NOT TO SCALE



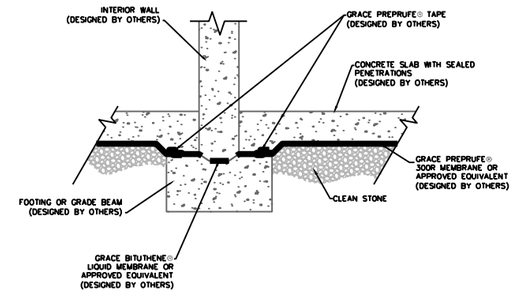
DETAIL 3: TYPICAL VAPOR BARRIER ASSEMBLY AT OUTSIDE CORNER
NOT TO SCALE



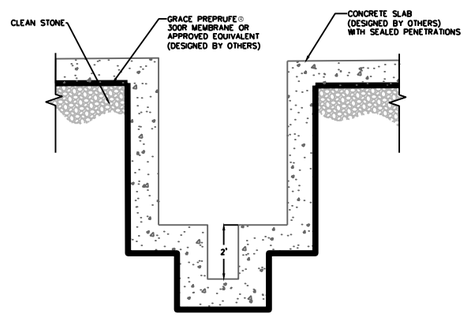
DETAIL 4: TYPICAL VAPOR BARRIER ASSEMBLY AT PENETRATION
NOT TO SCALE



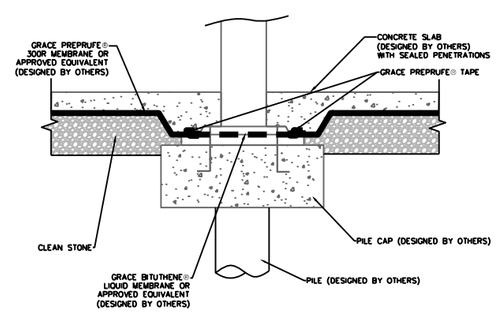
DETAIL 5: TYPICAL VAPOR BARRIER ASSEMBLY AT EXTERIOR FOUNDATION WALL
NOT TO SCALE



DETAIL 6: TYPICAL VAPOR BARRIER ASSEMBLY AT INTERIOR FOUNDATION WALL
NOT TO SCALE



DETAIL 7: TYPICAL ELEVATOR PIT SECTION
NOT TO SCALE



DETAIL 8: TYPICAL DETAIL FOR INTERIOR PILE CAP
NOT TO SCALE

WATERPROOFING/VAPOR BARRIER MEMBRANE SYSTEM NOTES:

1. THE WATERPROOFING/VAPOR BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE MANUFACTURER GUIDELINES AND DETAILS.
2. THE WATERPROOFING/VAPOR BARRIER SHALL BE INSTALLED BY A MANUFACTURER-CERTIFIED INSTALLER.
3. WATERPROOFING/VAPOR BARRIER SHALL BE INSPECTED BEFORE CONCRETE IS PLACED. ALL PENETRATIONS, HOLES, OR TEARS SHALL BE SEALED BEFORE CONCRETE IS PLACED.
4. WATERPROOFING/VAPOR BARRIER MEMBRANE IS DESIGNED BY OTHERS.

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BLOCK No. 601, LOT No. 10
NEW YORK
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Drawing Title
VAPOR BARRIER SYSTEM DETAILS

Project No. 170215701	Drawing No. 11
Date 5/19/2015	
Scale NTS	
Drawn By PTF	
Submission Date	Sheet 11 of 12

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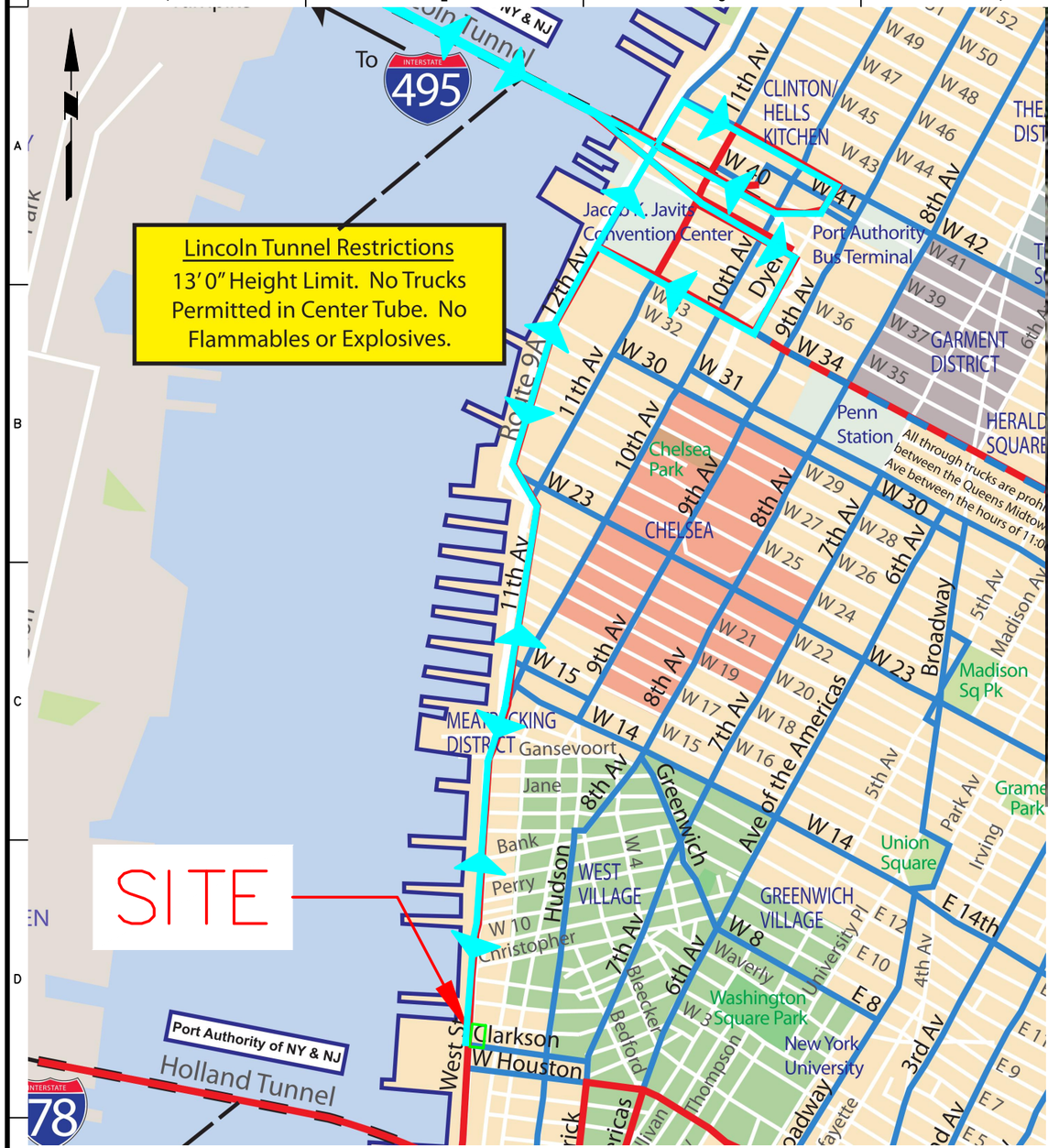

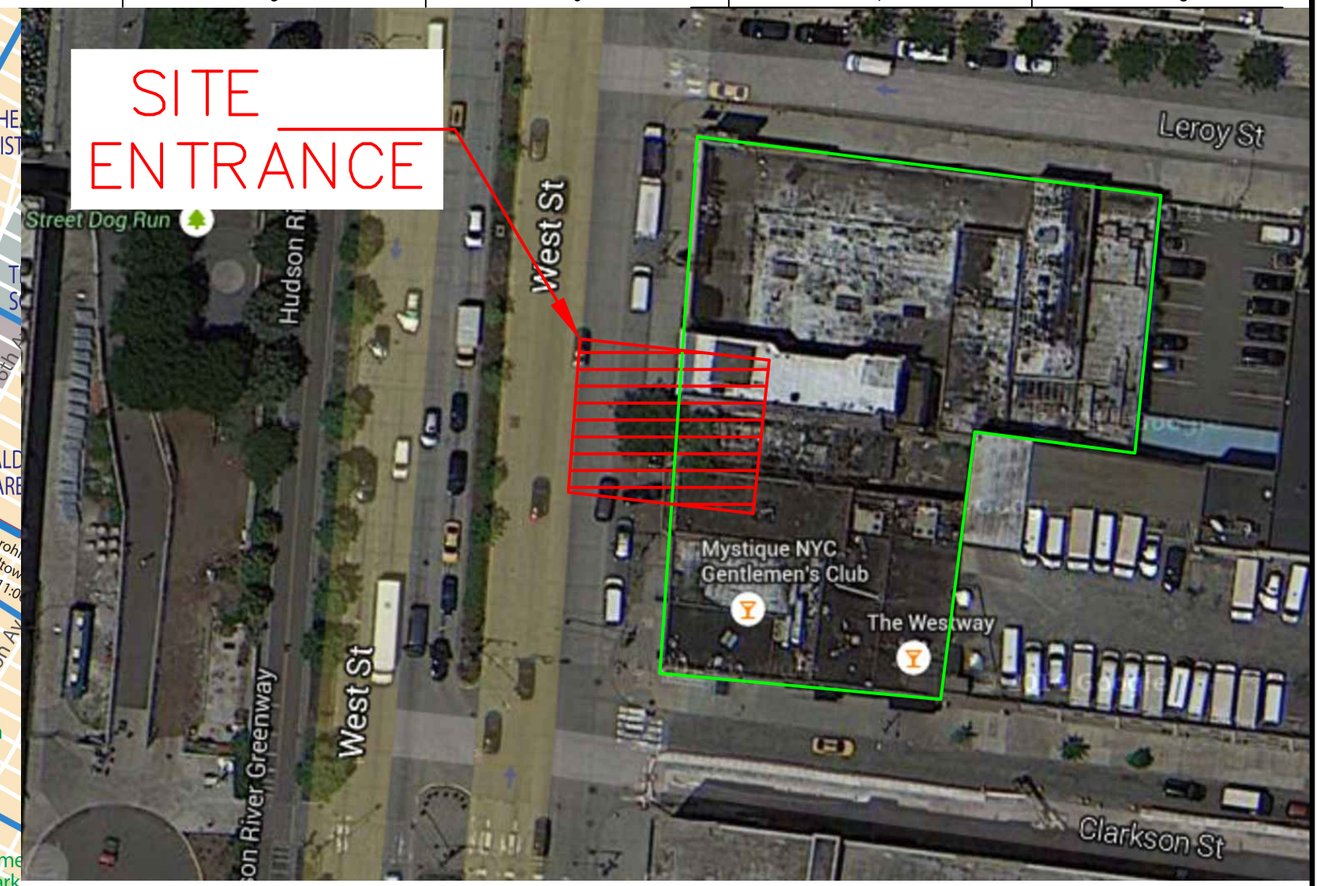

LEGEND

- Local Truck Routes
- Limited Local Truck Routes
- Through Truck Routes
- Through Truck Routes on Expressway
- COMMERCIAL VEHICLES PROHIBITED on Parkways and Other Highways
- Principal Streets
- Parks
- Open Space or Cemeteries
- Industrial or Institutional Areas
- Airports
- 278 Interstate Route
- 1 Interstate and Highway Exits
- MTA Bridges and Tunnels / Port Authority of NY & NJ — Transportation Facilty Operator*

LEGEND:

- TRUCK ROUTE
- SITE BOUNDARY

GENERAL NOTES

1. BASE MAP TAKEN FROM THE 2011–2012 NEW YORK CITY DEPARTMENT OF TRANSPORTATION "NEW YORK CITY TRUCK ROUTE MAP."
2. AERIAL IMAGE OBTAINED FROM GOOGLE EARTH, IMAGE DATED 2015.
3. SITE ENTRANCE LOCATION MAY CHANGE BASED ON CONSTRUCTION LOGISTICS.

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Project	Figure Title	Project No. 170215701	Figure No.
160 LEROY STREET Block 601, Lot 10 NEW YORK NEW YORK NEW YORK	TRUCK ROUTE MAP	Date 4/28/2015 Scale NTS Drawn By PTF / Checked By GN Submission Date	12 Sheet 12 of 12

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Filename: \\langan.com\data\NY\data7\170215701\Cadd Data - 170215701\SheetFiles\Environmental\Remedial Action Work Plan\Figure 12 - Truck Route Map.dwg Date: 5/4/2015 Time: 15:13 User: pfarnham Style Table: Langan.stb Layout: ANSIB-BL

Appendix A
Proposed Development Plans

160 LEROY STREET

50% DD PROGRESS SUBMISSION 2015.03.04

DRAWING LIST

SHEET NO.	SHEET NAME	ISA APPROVAL	100% SD SUBMISSION	SD DRAWING HANDOFF	FACADE BID PACKAGE	DD SUBMISSION 1	FOUNDATION FILING SET	50% DD PROGRESS SET
		3/6/2014	11/7/2014	12/19/2014	1/5/2015	1/20/2015	2/13/2015	3/4/2015
	TOTAL NUMBER OF DOCUMENT	0	61	15	14	8	103	189
CIVIL								
C-110.00	SOIL EROSION AND SEDIMENT CONTROL PLAN		X					X
C-120.00	SITE PLAN		X					X
C-130.00	SITE GRADING AND DRAINAGE PLAN		X					X
C-140.00	SITE UTILITY PLAN		X					X
C-150.00	SITE DETAILS		X					X
CC-100.00	CURB CUT PLAN		X					X
DM-100.00	SITE DEMOLITION PLAN		X					X
SCM-669/14	SITE CONNECTION PROPOSAL - PLAN {SHEET 01 OF 02}		X					X
SCM-669/14	SITE CONNECTION PROPOSAL - SECTIONS {SHEET 02 OF 02}		X					X
W-001.00	WEST STREET SITE REMOVALS PLAN		X					X
W-002.00	WEST STREET SITE IMPROVEMENTS PLAN							X
W-003.00	WEST STREET SITE DETAILS							X
BPP-001.00	BUILDERS PAVEMENT PLAN: COVER SHEET		X					X
BPP-002.00	CLARKSON STREET PROFILE		X					X
BPP-003.00	LEROY STREET PROFILE		X					X
BPP-004.00	DETAILS		X					X
SOE-100.00	SUPPORT OF EXCAVATION GENERAL NOTES AND SITE PLAN							X
SOE-101.00	SUPPORT OF EXCAVATION PHASE 1 PLAN							X
SOE-102.00	SUPPORT OF EXCAVATION PHASE 2 PLAN							X
SOE-201.00	SECTION A {SHEET 1 OF 2}							X
SOE-202.00	SECTION A {SHEET 2 OF 2}							X
SOE-203.00	SECTION B							X
SOE-204.00	SECTION C {SHEET 1 OF 2}							X
SOE-205.00	SECTION C {SHEET 2 OF 2}							X
SOE-206.00	SECTION D							X
SOE-207.00	SECTION E							X
SOE-208.00	SECTION F							X
SOE-209.00	SECTION G							X
SOE-301.00	SUPPORT OF EXCAVATION DETAILS {SHEET 1 OF 2}							X
SOE-302.00	SUPPORT OF EXCAVATION DETAILS {SHEET 2 OF 2}							X

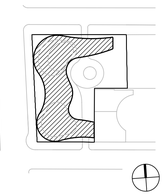
DRAWING LIST

SHEET NO.	SHEET NAME	ISA APPROVAL	100% SD SUBMISSION	SD DRAWING HANDOFF	FACADE BID PACKAGE	DD SUBMISSION 1	FOUNDATION FILING SET	50% DD PROGRESS SET
		3/6/2014	11/7/2014	12/19/2014	1/5/2015	1/20/2015	2/13/2015	3/4/2015
	TOTAL NUMBER OF DOCUMENT	0	61	15	14	8	103	189
MECH.								
M-001.00	DRAWING LIST, SYMBOL LIST, ABBREVIATIONS, AND NOTES						X	X
M-100.00	TYPICAL MECHANICAL FLOOR PLAN		X					
M-200.00	VRF SYSTEM REFRIG. & CONDENSER WATER SCHEM. DIAGRAM		X					
M-201.00	TYPICAL AIR RISER DIAGRAMS		X					
M-100.00	CELLAR FLOOR HVAC PLAN						X	X
M-101.00	GROUND FLOOR HVAC PLAN						X	X
~~M-102.00~~	~~2ND FLOOR HVAC PLAN~~						X	X
~~M-103.00~~	~~3RD-4TH FLOOR HVAC PLAN~~						X	X
M-106.00	10TH-11TH FLOOR HVAC PLAN						X	X
M-107.00	12TH FLOOR HVAC PLAN						X	X
M-108.00	ROOF PLAN						X	X
M-200.00	CELAIR FLOOR PIPING PLAN							
M-201.00	GROUND FLOOR PIPING PLAN							X
M-202.00	2ND FLOOR PIPING PLAN						X	X
M-203.00	3RD-4TH FLOOR PIPING PLAN						X	X
M-204.00	5TH-6TH FLOOR PIPING PLAN						X	X
M-205.00	7TH-9TH FLOOR PIPING PLAN						X	X
M-206.00	10TH-11TH FLOOR PIPING PLAN						X	X
M-207.00	12TH FLOOR PIPING PLAN						X	X
M-208.00	ROOF PIPING PLAN							X
M-300.00	HVAC AIR RISER DIAGRAMS						X	X
M-301.00	HVAC AIR RISER DIAGRAMS						X	X
M-302.00	HVAC CONDENSER WATER RISER DIAGRAM						X	X
M-303.00	HVAC HOT WATER RISER DIAGRAM						X	X
M-400.00	HVAC DETAILS SHEET #1							X
M-401.00	HVAC DETAILS SHEET #2							X
M-402.00	HVAC DETAILS SHEET #3							
M-403.00	HVAC DETAILS SHEET #4							
M-404.00	HVAC DETAILS SHEET #5							
M-500.00	HVAC SCHEDULES SHEET #1						X	X
ELECTRICAL								
E-001.00	ELECTRICAL SYMBOL LIST & ABBREVIATIONS		X				X	X
E-002.00	ELECTRICAL RISER DIAGRAMS #1		X				X	X
E-003.00	ELECTRICAL RISER DIAGRAMS #2		X				X	X
E-100.00	CELLAR POWER PLAN						X	X
E-101.00	1ST FLOOR (LOBBY LEVEL) POWER PLAN						X	X
E-102.00	2ND FLOOR POWER PLAN							X
E-103.00	3RD & 4TH FLOORS POWER PLAN							X
E-104.00	5TH & 6TH FLOORS POWER PLAN							X
E-105.00	7TH - 9TH FLOORS POWER PLAN							X
E-106.00	10TH - 11TH FLOORS POWER PLAN							X
E-107.00	12TH FLOOR POWER PLAN							X
E-108.00	ROOF POWER PLANS						X	X
E-300.00	ELECTRICAL PANEL SCHEDULES							
PLUMBING								
P-001.00	PLUMBING SYMBOLS, NOTES AND SITE PLAN		X				X	X
P-010.00	PLUMBING CELLAR FLOOR UNDERGORUND PLAN						X	X
P-100.00	PLUMBING CELLAR FLOOR PLAN						X	X
P-101.00	PLUMBING FIRST FLOOR PLAN						X	X
P-102.00	PLUMBING SECOND FLOOR PLAN						X	X
P-103.00	PLUMBING THIRD TO FOURTH FLOOR PLANS						X	X
P-104.00	PLUMBING FIFTH TO SIXTH FLOOR PLANS						X	X
P-105.00	PLUMBING SEVENTH TO NINETH FLOOR PLANS						X	X
P-106.00	PLUMBING TENTH TO ELEVENTH FLOOR PLANS						X	X
P-107.00	PLUMBING TWELFTH F FLOOR PLAN						X	X
P-108.00	PLUMBING ROOF PLAN (BULKHEAD)						X	X
P-301.00	PLUMBING SANITARY RISER DIAGRAM 1						X	X
P-302.00	PLUMBING SANITARY RISER DIAGRAM 2						X	X
P-303.00	PLUMBING SANITARY RISER DIAGRAM 3						X	X
P-305.00	STORM WATER RISER DIAGRAM						X	X
P-401.00	PLUMBING DETAIL SHEET NO.1						X	X
P-402.00	PLUMBING DETAIL SHEET NO.2						X	X
UNDERGROUND PLUMBING								
PFP-100	PLUMBING CELLAR FLOOR PLAN		X					
PFP-101	PLUMBING LOBBY FLOOR PLAN		X					
PFP-200	FIRE PROTECTION RISER DIAGRAM		X					
P-001.00	PLUMBING SYMBOL LIST, NOTES AND SITE PLAN						X	
P-010.00	PLUMBING CELLAR FLOOR UNDERGROUND PLAN						X	
P-200.00	SANITARY RISER DIAGRAM						X	
P-300.00	PLUMBING DETAILS						X	
FIRE ALARM								
FA-001.00	FIRE ALARM SYMBOL LIST, DRAWING LIST, NOTES AND SEQUENCE OF OPERATION							X
FA-002.00	FIRE ALARM RISER							X
FA-100.00	CELLAR FIRE ALARM PLAN							X
FA-101.00	1ST FLOOR (LOBBY LEVEL) FIRE ALARM PLAN							X
FA-102.00	2ND FLOOR FIRE ALARM PLAN							X
FA-103.00	3RD FLOOR FIRE ALARM PLAN							X
FA-104.00	4TH FLOOR FIRE ALARM PLAN							X
FA-105.00	5TH FLOOR FIRE ALARM PLAN							X
FA-106.00	6TH FLOOR FIRE ALARM PLAN							X
FA-107.00	7TH FLOOR FIRE ALARM PLAN							X
FA-108.00	8TH FLOOR FIRE ALARM PLAN							X
FA-109.00	9TH FLOOR FIRE ALARM PLAN							X
FA-110.00	10TH FLOOR FIRE ALARM PLAN							X
FA-111.00	11TH FLOOR FIRE ALARM PLAN							X
FA-112.00	12TH FLOOR FIRE ALARM PLAN							X
FA-113.00	ROOF FIRE ALARM PLANS							X
FIRE PROTECTION								
FP-001.00	FIRE PROTECTION SYMBOLS, NOTES AND SITE PLAN							X
FP-104.00	FIRE PROTECTION FIFTH-SIXTH FLOOR PLANS							X
FP-105.00	FIRE PROTECTION SEVENTH-NINTH FLOOR PLANS							X
FP-106.00	FIRE PROTECTION TENTH-ELEVENTH FLOOR PLANS							X
FP-107.00	FIRE PROTECTION TWELFTH FLOOR PLAN							X
FP-200.00	FIRE PROTECTION RISER DIAGRAM							X

DRAWING LIST

SHEET NO.	SHEET NAME	ISA APPROVAL	100% SD SUBMISSION	SD DRAWING HANDOFF	FACADE BID PACKAGE	DD SUBMISSION 1	FOUNDATION FILING SET	50% DD PROGRESS SET
		3/6/2014	11/7/2014	12/19/2014	1/5/2015	1/20/2015	2/13/2015	3/4/2015
	TOTAL NUMBER OF DOCUMENT	0	61	15	14	8	103	189
ARCH.								
	COVER SHEET							
A-001.00	DRAWING INDEX		X		X		X	X
EN-001.00	ENERGY CODE COMPLIANCE						X	X
G-001.00	FEMA COMPLIANCE						X	X
G-002.00	FEMA COMPLIANCE						X	X
G-010.00	SURVEY - SITE							X
A-002.00	CODE & ADA COMPLIANCE						X	X
A-003.00	ADA CODE COMPLIANCE						X	X
Z-100.00	ZONING ANALYSIS						X	X
Z-101.00	ZONING AREA CALCULATIONS-GROUND FLOOR						X	X
Z-102.00	ZONING AREA CALCULATIONS-SECOND FLOOR						X	X
Z-103.00	ZONING AREA CALCULATIONS-TYPICAL FLOOR						X	X
Z-104.00	ZONING DEDUCTIONS-GROUND FLOOR						X	X
Z-105.00	ZONING DEDUCTIONS-2ND FLOOR						X	X
Z-106.00	ZONING DEDUCTIONS-3RD-4TH FLOOR						X	X
Z-107.00	ZONING DEDUCTIONS-5TH-6TH FLOOR						X	X
Z-108.00	ZONING DEDUCTIONS-7TH-9TH FLOOR						X	X
Z-109.00	ZONING DEDUCTIONS-10TH-11TH FLOOR						X	X
Z-110.00	ZONING DEDUCTIONS-12TH FLOOR						X	X
Z-111.00	ZONING DEDUCTIONS-ROOF						X	X
A-010.00	SITE PLAN						X	X
A-020.00	BUILDING GEOMETRY							X
A-100.00	FLOOR PLAN - CELLAR LEVEL		X			X	X	X
A-101.00	FLOOR PLAN - GROUND LEVEL		X	X	X	X	X	X
A-102.00	FLOOR PLAN - 2ND LEVEL		X	X	X	X	X	X
A-103.00	FLOOR PLAN - 3RD-4TH LEVEL		X	X	X	X	X	X
A-104.00	FLOOR PLAN - 5TH-6TH LEVEL		X	X		X	X	X
A-105.00	FLOOR PLAN - 7TH-9TH LEVEL		X	X		X	X	X
A-106.00	FLOOR PLAN - 10TH-11TH LEVEL		X	X		X	X	X
A-107.00	FLOOR PLAN - 12TH LEVEL		X	X		X	X	X
A-108.00	FLOOR PLAN - ROOF LEVEL		X	X			X	X
A-109.00	FLOOR PLAN - BULKHEAD LEVEL		X	X			X	X
A-200.00	REFLECTED CEILING PLAN - CELLAR LEVEL							
A-201.00	REFLECTED CEILING PLAN - GROUND LEVEL							X
A-202.00	REFLECTED CEILING PLAN - 2ND LEVEL							X
A-203.00	REFLECTED CEILING PLAN - 3RD-4TH LEVEL							X
A-204.00	REFLECTED CEILING PLAN - 5TH-6TH LEVEL							X
A-205.00	REFLECTED CEILING PLAN - 7TH-9TH LEVEL							X
A-206.00	REFLECTED CEILING PLAN - 10TH-11TH LEVEL							X
A-207.00	REFLECTED CEILING PLAN - 12TH LEVEL							X
A-208.00	REFLECTED CEILING PLAN - ROOF LEVEL							
A-209.00	REFLECTED CEILING PLAN - BULKHEAD LEVEL							
A-350.00	PLAN AND SECTION DETAILS - BULKHEAD							X
A-400.00	BUILDING ELEVATION NORTH		X	X	X		X	X
A-401.00	BUILDING ELEVATION SOUTH		X	X	X		X	X
A-402.00	BUILDING ELEVATION EAST		X	X	X		X	X
A-403.00	BUILDING ELEVATION WEST		X	X	X		X	X
A-404.00	BUILDING ELEVATION COUTYARD SOUTH							X
A-404.01	BUILDING ELEVATION COURTYARD NORTH							X
A-410.00	BUILDING SECTION AA		X	X	X		X	X
A-411.00	BUILDING SECTION BB		X	X	X		X	X
A-420.00	ENLARGED BUILDING SECTION							X
A-421.00	ENLARGED BUILDING SECTION							X
A-430.00	STAIR PLANS AND SECTIONS		X					
A-440.00	ELEVATOR PLANS AND SECTIONS							
A-454.00	WALL SECTION - TYPICAL		X					X
A-455.00	WALL SECTION - TERRACE		X					
A-456.00	WALL SECTION - LOT LINE							
A-500.00	WINDOW WALL HORIZONTAL DETAILS				X			X
A-501.00	WINDOW WALL VERTICAL DETAILS				X			X
A-502.00	SLIDING TERRACE DOOR DETAILS				X			X
A-503.00	STOREFRONT DETAILS				X			X
A-605.00	FOUNDATION DETAIL		X				X	X
A-606.00	FOUNDATION DETAIL						X	X
A-607.00	FOUNDATION DETAIL						X	X
A-608.00	FOUNDATION DETAIL						X	X
A-609.00	FOUNDATION DETAIL						X	X
A-700.00	PARTITION TYPES AND NOTES						X	X
A-701.00	DOOR SCHEDULE AND DETAILS						X	X
A-XXX.XX	POOL- DETENTION TANK SECTION		X					
POOL								
PL-001	FACILITIES PLAN, INFORMATION AND NOTES							X
PL-002	POOL CONSTRUCTION DETAILS, NOTES & SECTIONS							X
PL-003	WHIRL POOL DETAILS AND SECTION							X
PL-004	POOL PIPING PLAN & FILTER ROOM SCHEMATICS							X
LANDSCAPE								
L-100	KEY AND DIMENSION							X
L-200	GRADING PLAN							X
L-300	PLANTING PLAN							X
L-301	IRRIGATION PLAN							X
L-302	IRRIGATION DETAILS							X
L-400	MATERIALS PLAN							X
L-500	SITE SECTIONS							X
L-600	PAVING AND DRAINAGE DETAILS							X
L-601	PLANTTING DETAILS							X
STRUCTURAL								
S-001	GENERAL NOTES AND INDEX OF DRAWING		X				X	X
FO-100	FOUNDATION/CELLAR PLAN		X				X	X
FO-101	TYPICALFOUNDATION DETAILS		X				X	X
FO-102	FOUNDATION SECTIONS AND DETAILS		X				X	X
FO-103	FOUNDATION SECTIONS AND DETAILS						X	X
FO-104	FOUNDATION SECTIONS AND DETAILS						X	X
S-201	GROUND FLOOR PLAN		X				X	X
S-202	SECOND FLOOR PLAN		X					X
S-203	THIRD FLOOR PLAN		X					X
S-204	4TH THROUGH 12TH FLOOR PLAN		X					X
S-213	ROOF PLAN		X					X
S-214	BULKHEAD PLAN							X
S-300	COLUMN SCHEDULE						X	X
S-301	COLUMN SCHEDULE AND TYPICAL DETIALS		X					
S-311	SHEAR WALL REINFORCING PART PLAN						X	X
S-312	SHEAR WALL REINFORCING PART PLAN							X
S-401	TYPICAL CONCRETE SECTIONS AND DETAILS		X				X	X
S-402	TYPICAL CONCRETE SECTIONS AND DETAILS		X				X	X
S-403	TYPICAL CONCRETE SECTIONS AND DETAILS		X				X	X
S-404	CONCRETE SECTIONS AND DETAILS		X				X	X
S-501	TYPICAL CONCRETE SECTIONS AND DETAILS		X					X

NO.	DATE	REVISION
5	03/04/2015	50% DD PROGRESS SET
4	02/13/2015	FOUNDATION FILING SET
3	01/20/2015	DD SUBMISSION 1
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



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5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

DRAWING INDEX

SCALE: N.T.S. PAGE: 1 OF 103

A-001.00

DOB BSCAN STICKER

SEAL

NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
02/13/2013

ENERGY CODE INSPECTIONS	CODE/SECTION	INSPECTION REQ'D
PROTECTION OF FOUNDATION INSULATION: Insulation shall be visually inspected to verify proper protection where applied to the exterior of basement or cellar walls, crawl-space walls and/or the perimeter of slab-on-grade floors.	(IA1), (IIA1)	YES
INSULATION PLACEMENT AND R VALUES: Installed insulation for each component of the conditioned space envelope and at junctions between components shall be visually inspected to ensure that the R-values are marked, that such R-values conform to the R-values identified in the construction documents and that the insulation is properly installed. Certifications for unmarked insulation shall be similarly visually inspected.	(IA2), (IIA2)	YES
FENESTRATION THERMAL VALUES AND RATINGS	(IA3), (IIA3)	
FENESTRATION RATINGS FOR AIR LEAKAGE	(IA4), (IIA4)	
FENESTRATION AREAS	(IA5), (IIA5)	
AIR SEALING AND INSULATION - VISUAL: Openings and penetrations in the building envelope, including site-built fenestration and doors, shall be visually inspected to verify that they are properly sealed, in accordance with Table 402.4.2.	(IA6), (IIA6)	YES
AIR SEALING AND INSULATION - TESTING	(IA7)	
PROJECTION FACTORS	(IIA7)	
LOADING DECK WEATHER SEALS	(IIA8)	
VESTIBULES	(IIA9)	
FIREPLACES	(IB1), (IIB1)	
DAMPERS INTEGRAL TO BUILDING ENVELOPE	(IB2), (IIB2)	
HVAC AND SERVICE WATER HEATING EQUIPMENT	(IB3), (IIB3)	
HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS	(IB4), (IIB4)	
DUCT PLENUM AND PIPING INSULATION AND SEALING	(IB5), (IIB5)	
DUCT LEAKAGE TESTING	(IB6), (IIB6)	
ELECTRICAL METERING	(IC1), (IIC1)	
LIGHTING IN DWELLING UNITS	(IC2), (IIC2)	
INTERIOR LIGHTING POWER	(IIC3)	
EXTERIOR LIGHTING POWER	(IIC4)	
LIGHTING CONTROLS	(IIC5)	
EXIT SIGNS	(IIC6)	
TANDEM WIRING	(IIC7)	
ELECTRICAL MOTORS	(IIC8)	
MAINTENANCE INFORMATION	(IID1), (IID1)	
PERMANENT CERTIFICATE	(ID2)	

ENERGY ANALYSIS: 2014 NYCECC CHAPTER 5 - CLIMATE ZONE 4

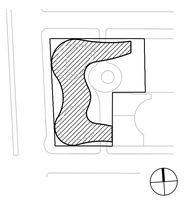
CITATION	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PRESCRIPTIVE VALUE	SUPPORT DOCUMENT
ECC 502.1.1 TABLE 502.2(1)	WALL BELOW GRADE (FOUNDATION WALL)	R-12.6 ci	R-7.5 ci	EN-001.00

REFER TO DWG A-605-1

PROFESSIONAL'S STATEMENT

TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THIS APPLICATION IS IN COMPLIANCE WITH THE 2014 NYCECC.

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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DRAWING TITLE:

ENERGY CODE COMPLIANCE

SCALE: N.T.S. PAGE: 2 OF 103

EN-001.00

DOB BSCAN STICKER

SEAL

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02/13/2013

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York Long Island State Plane FIPSZONE 3104. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3182
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Department of Information Technology and Telecommunication, City of New York (DoITT). This information was derived from digital orthophotos produced at a scale of 1:1,200 with 2-foot pixel resolution from photography dated April 2008.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

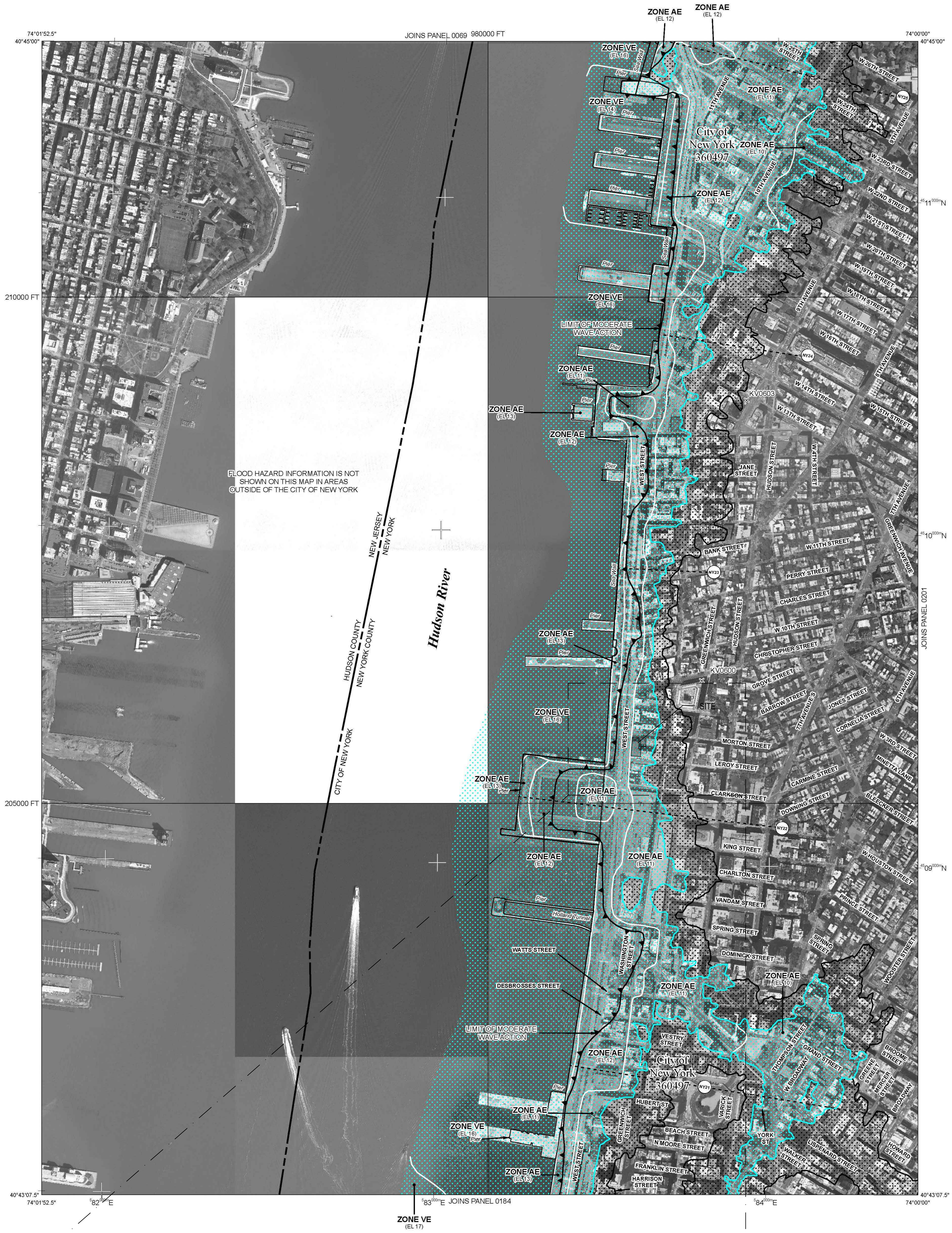
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

The AE Zone category has been divided by a **Limit of Moderate Wave Action (LiMWA)**. The LiMWA represents the approximate landward limit of the 1.5 - foot breaking wave. The effects of wave hazards between the VE Zone and the LiMWA (or between the shoreline and the LiMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map**, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange (FMIX) at **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



3 FIRM MAP
SCALE: NTS

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Limit of Moderate Wave Action
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- Cross section line
- Transect line
- Culvert, Flume, Penstock or Aqueduct
- Road or Railroad Bridge
- Footbridge
- 87°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 2476000mN — 1000-meter Universal Transverse Mercator grid values, zone 18
- 600000 FT — 5000-foot grid values: New York State Plane coordinate system, Long Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
- DX5510 × — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- ● M1.5 — River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

INITIAL NFIP MAP DATE
June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 11, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE
November 16, 1983

FLOOD INSURANCE RATE MAP REVISIONS

For descriptions of revisions see Notice to Users page in the Flood Insurance Study report.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
150 0 150 300 METERS

NFIP — NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0182G

FIRM
FLOOD INSURANCE RATE MAP

CITY OF,
NEW YORK
NEW YORK
BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES

PANEL 182 OF 457
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0182	G

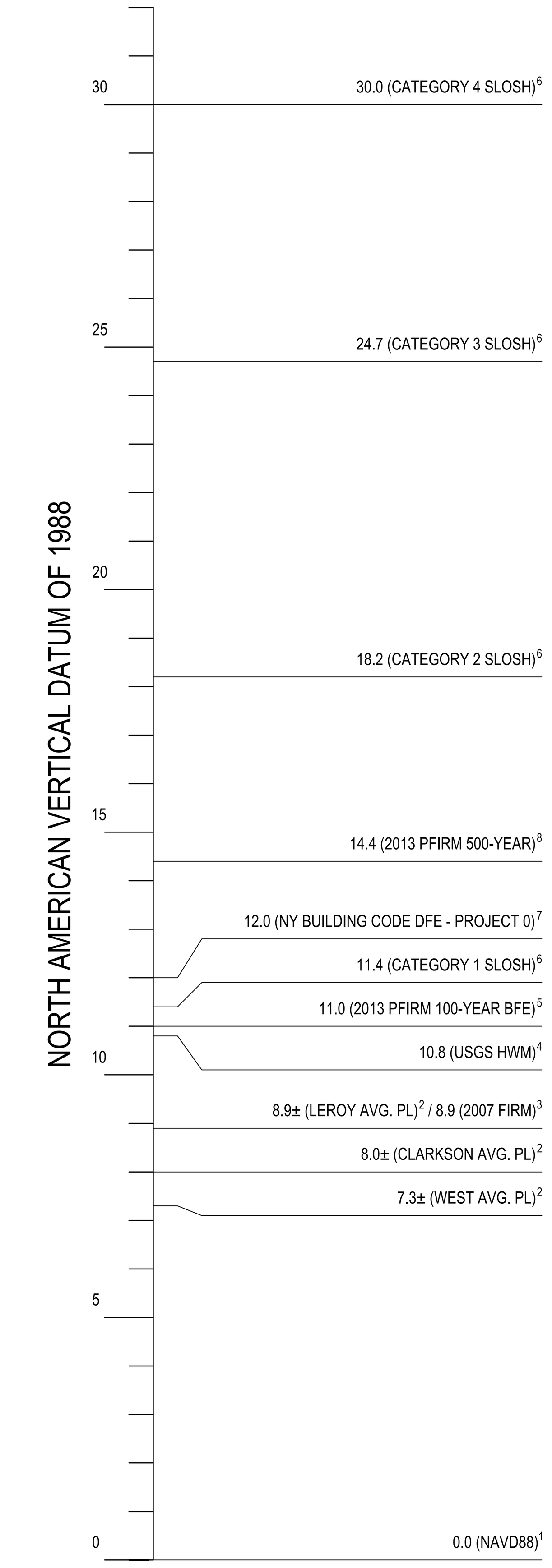
PRELIMINARY
DECEMBER 5, 2013

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970182G

MAP REVISED

Federal Emergency Management Agency

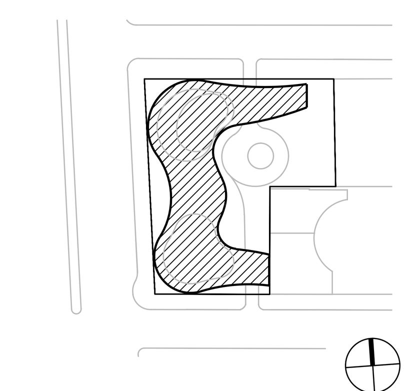


FLOOD ELEVATION NOTES:

1. ALL ELEVATIONS SHOWN ARE IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
2. AVERAGE PROPERTY LINE ELEVATIONS ARE TAKEN FROM ALTA/ACSM LAND TITLE SURVEY PREPARED BY NY LAND SURVEYOR, P.C., DATED MARCH 23, 2013. LAST AMENDED AUGUST 8, 2014.
3. INFORMATION SHOWN IS FROM FEMA FIRM PANEL NO. 3604970182F, LAST REVISED SEPTEMBER 5, 2007.
4. INFORMATION IS FROM APPROXIMATE HURRICANE SANDY USGS HIGH WATER MARK (HWM) DATA, SPECIFICALLY 'HWM-NY-NEW-128'. USGS HWM DATA IS PER USGS NON-TRANSMITTING STORM TIDE SENSORS AND WAVE HEIGHT SENSORS DEPLOYED PRIOR TO HURRICANE SANDY AND EXTENSIVE POST-FLOOD HIGH-WATER MARK FLAGGING AND SURVEYING THROUGHOUT NEW YORK CITY.
5. INFORMATION SHOWN IS FROM FEMA PRELIMINARY FIRM PANEL NO. 3604970182G, RELEASED DECEMBER 5, 2013.
6. SEA, LAKE AND OVERLAND SURGES FROM HURRICANES (SLOSH) WATER ELEVATIONS ARE PER THE 'METRO NEW YORK EVACUATION PROJECT, HURRICANE EVACUATION STUDY, FACILITIES UPDATE AND EVACUATION DECISION TOOLS TECHNICAL DATA REPORT' COMPLETED IN SEPTEMBER 2011, UNREVISED. SPECIFICALLY APPENDIX I.
7. DESIGN FLOOD ELEVATION ASSUMES THE BUILDING IS CLASSIFIED AS A STRUCTURAL OCCUPANCY CATEGORY II AND REQUIRES 1-FOOT OF FREEBOARD PER NYC BUILDING CODE APPENDIX G TABLE 2-1.
8. INFORMATION FOR THE 500 YEAR FLOOD ELEVATION IS PER TRANSECT NY-22 AS SHOWN IN THE PRELIMINARY FLOOD INSURANCE STUDY NUMBER 36049V000B, RELEASED DECEMBER 5, 2013.
9. DATUM CONVERSION: 5.00 NAVD88 = 3.35 MBD

2 SITE SECTION DIAGRAM
SCALE: NTS

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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DOB NO.: 121330611

DRAWING TITLE:
FEMA COMPLIANCE

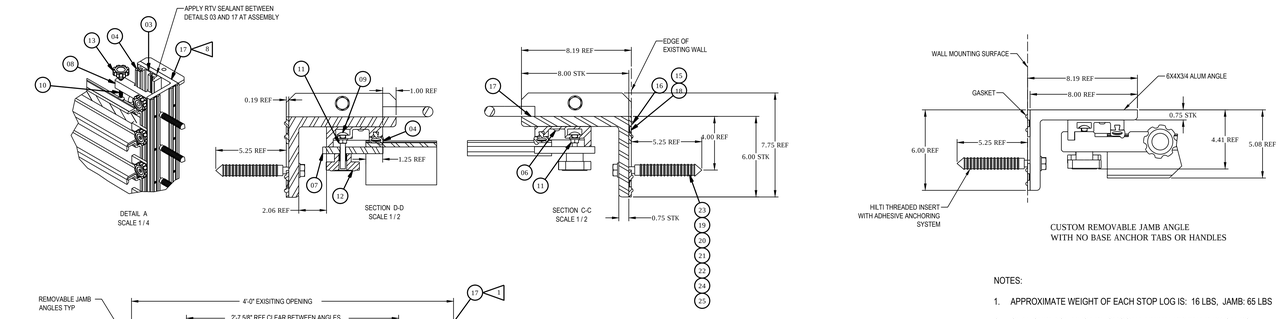
SCALE: N.T.S. PAGE: 3 OF 103

G-001.00

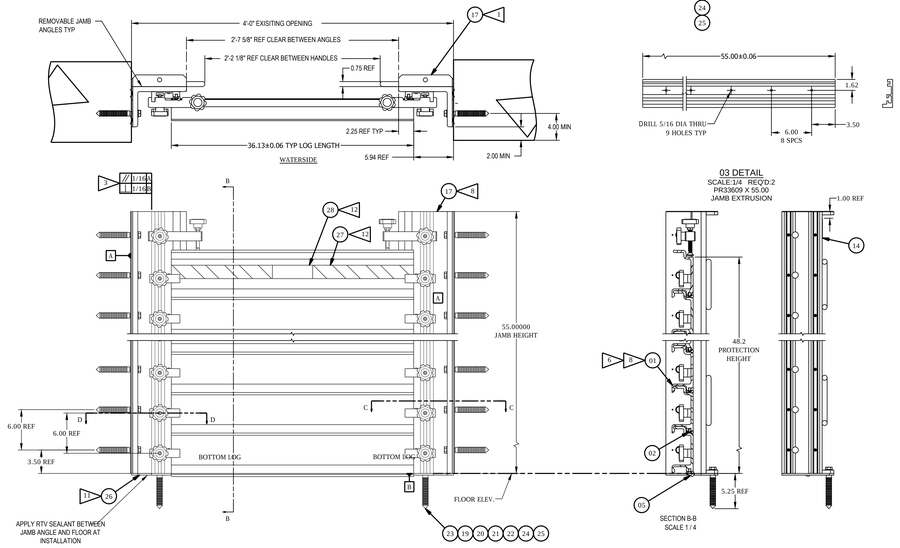
DOB BSCAN STICKER

SEAL

NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
02/13/2013



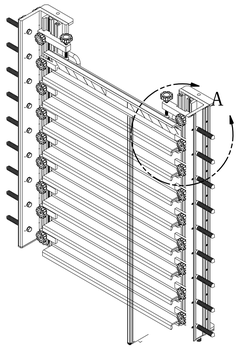
CUSTOM REMOVABLE JAMB ANGLE
WITH NO BASE ANCHOR TABS OR HANDLES

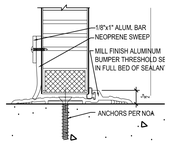


5 PRESRAY STACKABLE FLOOR BARRIER DETAILS
SCALE: NTS OR AS NOTED

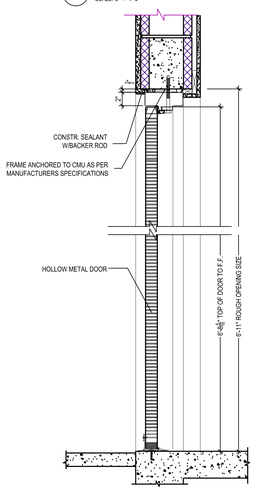
NOTES:

1. APPROXIMATE WEIGHT OF EACH STOP LOG IS: 16 LBS, JAMB: 65 LBS
2. SEAL SURFACE MUST BE SMOOTH, UNINTERRUPTED BY STEPS GREATER THAN .015 & FREE OF CRACKS FINISH LAY TO BE PARALLEL TO SEAL.
3. LOGS TO BE FLAT 1/8 OVER ENTIRE LENGTH.
4. STOP LOGS TO BE SOLVENT CLEANED AT ASSEMBLY. BRUSH-OFF ABRASIVE CLEAN JAMBS PER SSPC-SP7.
5. BARRIER DESIGNED FOR 48" SEATING HEAD OF WATER.
6. JAMB BASE GASKET TO BE CUT TO CONFORM TO JAMB FOOTPRINT.





4 DOOR THRESHOLD
SCALE: 6" = 1'-0"



3 SECTION @ FLOOD DOORS
SCALE: 1 1/2" = 1'-0"

GENERAL NOTES FOR: FLOOD DOORS

1. Design criteria is based on FEMA flood proofing non-residential structures manual FEMA 102, and FEMA Technical Bulletin 3-93.

2. Flood Protection System manufacturer to install and use gaskets and approved sealants following all the recommendations and specifications of the manufacturers respectively.

3. Existing slabs and walls adjacent to openings where Flood Doors and Windows are installed shall be structurally designed by engineer of record, to sustain the same hydrostatic, hydrodynamic and impact pressures that correspond to maximum water elevation above finished floor at top of BFE + 12 inches, based on criteria mentioned in Note #3.

4. Water Resistance Issues for Doors: These are products that open and close many times daily, and therefore will need continuing monitoring and maintenance to insure performance when the need arises. Door framing products by Savannah Trims, Inc. are retrofitted to resist extreme water penetration, but are not entirely water tight. FEMA Tech Bulletin 3-93 addresses these issues on page 6, Minimum Engineering Considerations, stating that flood resistant products must be ... "substantially impermeable to the passage of water."

5. All sheet metal screws shall be as manufactured by ITW/Buildex (or equal) "TEK Screws", and to be made of stainless st.

6. All bolts to be stainless or galvanized steel ASTM A-307 designation or 304 Series Stainless Steel.

7. All aluminum skin to be 5052-H32 or 3004-H34 alloy.

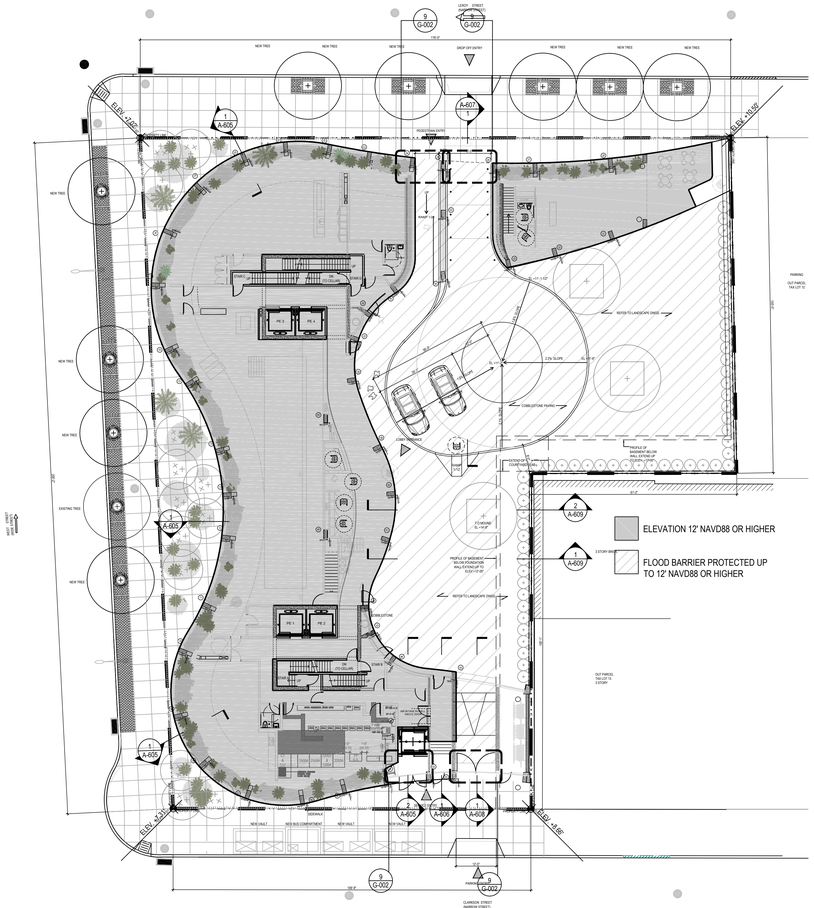
8. Flood Glass System Assembly Screws shall be of water resistant design of stainless or galvanized materials. All silicone sealants to be Dow 995 or equal type.

9. All gaskets installed shall be closed cell sponge, medium durometer rubber.

10. All welding to conform to the American Welding Society AWS D1.2. 1998 Regulations. Use certified welders. Use ER-5356 Electrodes.

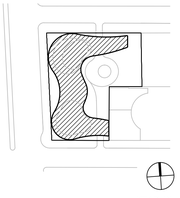
11. These drawings are supported by application specific engineering. The supporting engineering may dictate some changes which will be reflected on the final "application specific" drawings, for a specific project.

2 FLOOD DOOR - PLAN DETAIL
SCALE: 1 1/2" = 1'-0"



1 GROUND FLOOR PLAN - 12' NAVD88 DIAGRAM
SCALE: 1/16" = 1'-0"

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
115 FIFTH AVENUE
NEW YORK, NY 10003
T: 212.353.7900
F: 212.353.7676

Owner:
160 LEROY LLC
818 GREENWICH STREET
NEW YORK, NY, 212.796.8400

Design Consultant:
HERZOG & DE MEURON
RHEINSCHANZE 6
4056 BASEL, SWITZERLAND, +41.61.385.5757

Civil / Geotechnical / Environmental:
LANGAN
360 WEST 31ST STREET, 5TH FL
NEW YORK, NY, 212.479.5405

Structural Engineer:
DESIMONE
18 WEST 18TH STREET, 10TH FL
NEW YORK, NY, 212.532.2211

MEP, FP Engineer:
ADS ENGINEERS
45 BROADWAY, SUITE 1220
NEW YORK, NY, 212.645.6060

Envelop Consultant:
GMS LLP
129 WEST 27TH STREET, 5TH FLOOR
NEW YORK, NY, 212.254.0030

Acoustical Engineer:
LONGMAN LINDSEY
1410 BROADWAY, SUITE 508
NEW YORK, NY, 212.315.6401

Pool Consultant:
TRACE POOLS DESIGN
333 WESTCHESTER AVE - EAST TERRACE
WHITE PLAINS, NY, 914.495.4290

Vertical Transport Consultant:
VAN DEUSEN & ASSOCIATES
5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

FEMA COMPLIANCE

SCALE: N.T.S. PAGE: 4 OF 103

G-002.00

DOB BSCAN STICKER

SEAL

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02/13/2013

SCHEDULE "A" DESCRIPTION
Parcel III: Block 601 Tax Lot: 1

ALL that certain plot, piece or parcel of land, with buildings and improvements thereon erected, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

BLANKET DESCRIPTION

BEGINNING at the corner formed by the intersection of easterly side of West Street whit the Northely side of Clarkson Street; running thence Easterly along the Northerly side of Clarkson Street 106 feet 7 $\frac{3}{4}$ inches;

THENCE Northerly at right angle to the Northerly side of Clarkson Street and trough a party wall 75 feet $\frac{1}{4}$ inch;

THENCE Westerly along a line forming an angle of 92 degrees 53 minutes 30 seconds on its Northerly side with the Easterly side of West Street 110 feet 5 $\frac{5}{8}$ inches to the Easterly side of West Street;

THENCE Southerly along the Easterly side of West Street 75 feet 1 inch to the Northerly side of Clarkson street the point or place of BEGINNING.

SCHEDULE "A" DESCRIPTION
Parcel I: Block 601 Tax Lot: 4

ALL that certain plot, piece or parcel of land, situated, lying and being in the Borough of Manhattan, County, City and State of New York, known as lot No. 127 on "map of land belonging the children of Mrs. D. Langdon" made by Gardnier A. Sage, C.S. April 1854 and filed in the register's office, New York County, bounded & described as follows:

BEGINNING at a point on the Easterly side of West Street, distant 100 feet 1 inch Southerly from the corner formed by the intersection of the Easterly side of West Street and the Southerly side of Leroy Street;

RUNNING THENCE Easterly partly along the rear lone of lots 117 and 118, 111 feet 9 inches to a point:

THENCE Southerly, 25 feet to the Southerly side of lot 127;

THENCE Westerly along the southerly side of lot 127, 110 feet 5 $\frac{5}{8}$ inches to the Easterly side of West Street;

THENCE Northerly, along the Easterly side of West Street 25 feet $\frac{1}{4}$ inches to the point or place of BEGINNING.

SCHEDULE "A" DESCRIPTION
Block 601 Tax Lot: 5

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Manhattan, City, County and State of New York, being lot 128 on "map of land belonging the children of Mrs. D. Langdon" made by Gardnier A. Sage, C.S., April 1854 and filed in the office of the register of the City and County of New York, which said parcel of land is bounded and described as follows:

BEGINNING at a point on the Easterly side of West Street, distant 75 feet 0 $\frac{1}{4}$ of an inch Southerly from the Southeasterly corner of leroy and west Streets; running thence Easterly parallel with Leroy street or nearly so and along the Southerly line of lot 129 on above mentioned map 98 feet 6 $\frac{3}{4}$ inches;

RUNNING THENCE Southerly along Westerly line of lot 118 on said map 25 feet to the northerly line of lot 127 on said map;

THENCE Westerly along the Northerly line of lot 127 on said map and along line wichc makes an angle on the Southerly side thereof of 87 degrees 09 minutes with the easterly side of west Street, a distance 97 feet 9 inches to the Easterly side of West street at point distant 100 feet 1 inch southerly from the Southerly corner of Leroy and West Street 25 feet 0 $\frac{1}{4}$ of an inch to the point or place of BEGINNING.

SCHEDULE "A" DESCRIPTION
Parcel II: Block 601 Tax Lot: 8

ALL that certain plot, piece or parcel of land, situated, lying and being in the Borough of Manhattan, County, City and State of New York more particulary described as follows:

BEGINNING at the Southeasterly corner of Leroy and West Streets; and

RUNNING THENCE Southerly along the East side of West Street, 75 feet $\frac{1}{4}$ of an inch;

THENCE Easterly on a line parallel to Leroy Street, or nearly so and along the north line of lot 128 on "map of lands belonging the children of Mrs. D. Langdon" New york, April 1854, Gardnier A. Sage, C.S. filed in the office of the register of New York County, January 24, 1855, as map No. 551, 98 feet 6 $\frac{3}{4}$ inches;

THENCE Again Southerly along the rear of the last mentioned lot, 25 feet

THENCE Again Easterly, 25 feet (deed), 26 feet 5 $\frac{3}{4}$ (actual);

THENCE Northerly along the west line of lot 117 on said map, 100 feet to the Southerly side of Leroy Street; and

THENCE Westerly along the Southerly side of Leroy Street, 126 feet to the Southeasterly corner of Leroy and West Streets, the point or place of BEGINNING.

SCHEDULE "A" DESCRIPTION
Parcel III: Block 601 Tax Lot: 10

ALL that certain plot, piece or parcel of land, situate, lying and being in the Borough of Manhattan, County, City and State of New York, bounded and described as follows:

BEGINNING at a point on the Southerly side of Leroy Street distant, 125 feet $\frac{3}{4}$ inches Westerly from the corner formed by the intersection of the Southerly side of Leroy Street and the Westerly side of Washington Street;

RUNNING THENCE Southerly on a line which on the Easterly side forms and angle of 88° 57' 40" with the southerly side of Leroy Street, 100 feet;

THENCE Westerly on a line which forms an interior angle with the last mentioned line of 91° 02' 20" (deed) 88° 57' 40" (actual), 48 feet 7 $\frac{1}{4}$ inches;

THENCE Northerly on a line which forms an angle on the Easterly side with the Southerly side of Leroy Street of 88° 11' 20", 100 feet 0 $\frac{1}{4}$ of an inch (deed), 100 feet (actual) to the southerly side of Leroy street;

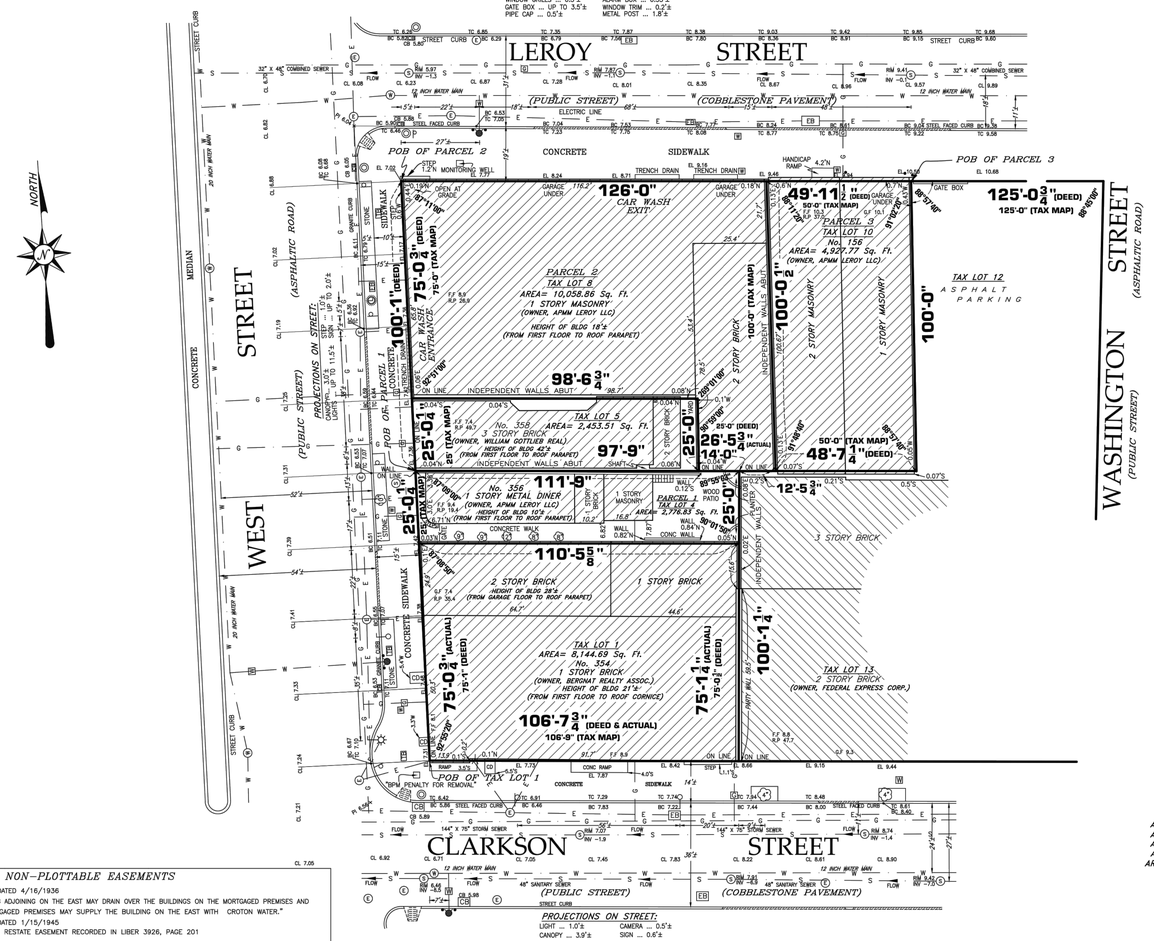
THENCE Easterly along the Southerly side of Leroy Street, 49 feet 11 $\frac{1}{4}$ inches to the point or place of BEGINNING.

SCHEDULE "B"

Covenents and restrictions recorded 4/16/1936 in Liber 3926, Page 201

Covenants and restrictions recorded 01/15/1945 in Liber 4331, Page 569

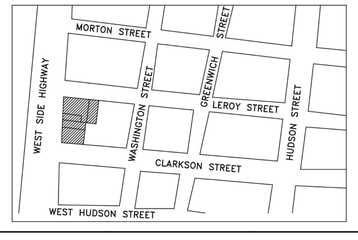
Reservation as to encroachments contained in deed recorded in Liber 5040 Cp 655, blanket in nature, not plottable



NON-PLOTTABLE EASEMENTS

1. LIBER 3926, PAGE 201, DATED 4/16/1936
"THE FACT THAT THE BUILDING ADJOINING ON THE EAST MAY DRAIN OVER THE BUILDINGS ON THE MORTGAGED PREMISES AND THE BUILDING ON THE MORTGAGED PREMISES MAY SUPPLY THE BUILDING ON THE EAST WITH CROTON WATER."
2. LIBER 4331, PAGE 569, DATED 1/15/1945
DEED UNCLEAR, APPEARS TO RESTATE EASEMENT RECORDED IN LIBER 3926, PAGE 201
3. THE STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION HAS VERIFIED THAT "MAP 13 (DESCRIBING THE AREA OF ROUTE 9A) HAS NO IMPACT ON THE PROPERTY DESIGNATED BY BLOCK 601, LOTS 4 AND 8." AS PER LETTER DATED JUNE 25, 2007, SIGNED BY ANTHONY GREENE

Key/ Location plan:



LEGEND

F.F.	FIRST FLOOR ELEVATION	UTILITY VALVE	WATER MANHOLE
G.F.	GARAGE FLOOR ELEVATION	WATER VALVE	TELEPHONE MANHOLE
R.P.	ROOF PARAPET ELEVATION	GAS VALVE	SEWER MANHOLE
FE	FIRE ESCAPE	CATCH BASIN	ELECTRIC MANHOLE
TC	TOP OF CURB	ELECTRIC BOX	LIGHT POLE
BC	BOTTOM OF CURB	TRAFFTIC BOX	STREET SIGN
CL	CENTERLINE	PROPERTY LINE	HYDRANT
EL	SPOT ELEVATION	SEWER LINE	CURB CUT
TW	TOP OF WALL	WATER LINE	LIGHT POLE
BW	BOTTOM OF WALL	ELECTRIC LINE	TREE & SIZE
PI	POINT OF INTERSECTION	GAS LINE	CLEAN OUT
POB	POINT OF BEGINNING	CONCRETE CURB	SIAMESE SPRINKLER
N	NORTH	PEDESTRIAN RAMP	
S	SOUTH	TRAFFIC LIGHT	
W	WEST		
E	EAST		

SURVEYORS CERTIFICATE:

The undersigned, being a registered land surveyor of the State of New York, certifies to: 1. AP-ISC Leroy Property Owner, LLC, 2. Leroy Partners LLC; 3. APMM Leroy LLC. (1) This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2011 minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 2, 3, 4, 6, 7a, 7b-1, 7b-2, 7c, 8, 9, 10, 11a, 11b, 13, 14, 16, 17, and 18 of table a thereof; pursuant to the accuracy of standards as adopted by ALTA, ACSM, and NSPS and in effect on the date of this certification, undersigned further certifies that the measurements were made in accordance with the "minimum angle, distance measurements and closure requirements for survey measurements which control land boundaries for ALTA/ACSM Land Title Surveys."

(2) The survey was made on the ground on March 23, 2013 and correctly shows the area of the subject property, the location and type of all buildings structures and other improvements situated on the subject property, and any other matters situated on the subject property.

(3) Except as shown on the survey there are no visible easements or rights of way of which the undersigned has been advised.

(4) Except as shown on the survey, there are no observable, above ground encroachments (a) by the improvements on the subject property upon adjoining properties, streets or alleys, or (b) by the improvements on the adjoining properties, streets or alleys upon the subject property

(5) The location of each easement, right of way, servitude, and other matter affecting the subject property has been shown on the survey, together with appropriate recording references, to the extent that such matters can be located.

(6) The subject property has access to and from a duly dedicated and accepted public street or highway.

(7) The property shown hereon is the same property described in the deed (s) provided by the New York City Housing Authority. The legal description shown hereon describes the same property as said deeds. The legal description of the subject property forms a mathematically closed figure.

(8) No portion of the property shown on the survey lies within a special hazard area, as described on the flood insurance rate map for the community in which the subject property is located. This property is on flood insurance rate map panel 182 of 457 in community panel no. 360497 0182 F; located in Zone AE

(a) Base flood elevation= 8.9 (NAVD 88)
(b) Advisory base flood elevation (ABFE) information; zone 'A'
flood elevation= 11 (NAVD 88)
Map Revised: September 05, 2007

(9) The subject property does serve adjoining property for drainage, utilities, ingress, or egress.

(10) The subject property is adequately served by utilities (water, sewer, gas,electric, & telephone) entering and exiting the adjoining public right of ways.

(11) The parties listed above are entitled to rely on the survey and this certificate as being true and accurate.

(12) This property is in Zone M1-5 of zoning resolution map no. 12A, as per the New York City Planning Commission, with effective date March 28, 2012. The survey plat is not intended to be and should not be used for the purpose of determining compliance with local building and zoning laws and regulations. The plat should only be relied upon for the purpose of disclosing exceptions to title. Due to the complexity of the bulk restrictions, graphic representation not plotable.

(13) At time of survey, there were no observable evidence of any changes in street right of way lines either completed or proposed, and available from the controlling jurisdiction

(14) At time of survey, there were no observable evidence of earth moving work, building construction, or building additions within recent months.

(15) At time of survey, there were no observable evidence of recent street or sidewalk construction or repairs.

(16) At time of survey, there were no observable evidence of site use as a solid waste dump, sump, or sanitary landfill

(17) At time of survey, there were no observable evidence of streams or natural water courses located on the subject property

(18) At time of survey, there were no observable evidence of site use as cemeteries or burial grounds.

(19) There are no parking spaces on the subject property.

Date: March 23, 2013

Ramzan Ali
Registration No: 050457

AREA OF TAX LOT 1= 8,144.69 SQ. Ft.
AREA OF TAX LOT 4= 2,776.83 SQ. Ft.
AREA OF TAX LOT 5= 2,453.51 SQ. Ft.
AREA OF TAX LOT 8=10,058.86 SQ. Ft.
AREA OF TAX LOT 10= 4,927.77 SQ. Ft.
TOTAL AREA =28,361.66 SQ. Ft.

AREA OF TAX LOTS 1, 4, 5, 8 & 10= 28,361.66 Sq. Ft. = 0.6511 ACRES

ALTA/ACSM LAND TITLE SURVEY

0' 20' 40' 60'
SCALE 1" = 20'

GENERAL NOTES:

1. ALL UTILITY DATA SHOWN ON THIS SURVEY WERE TAKEN FROM CITY RECORD MAPS.
2. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) .
3. NON-VISIBLE EASEMENTS, RECORDED OR UNRECORDED, NOT SHOWN HEREON.
4. UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209, OF THE NEW YORK STATE EDUCATIONAL LAW. COPIES OF THIS SURVEY NOT BEARING THE LAND SURVEYOR'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY.

DATE	REVISIONS
DECEMBER 22, 2014	SURVEY AMENDED
DECEMBER 2, 2014	SURVEY UPDATED
AUGUST 25, 2014	CERTIFICATIONS UPDATED
AUGUST 20, 2014	SURVEY AMENDED

Surveyor's Seal

STATE OF NEW YORK · RAMZAN ALI · 050457 · LICENSED LAND SURVEYOR

Ramzan Ali License No. 050457

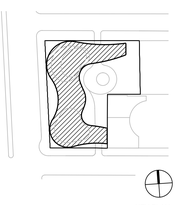
Ramzan Alli License No. 050457
NY Land Surveyor, P.C.
77-15 164th Street
Fresh Meadows, NY 11366
Tel. (718) 591-6600 Fax (718) 591-7954
Fax (631) 930-3292
nylandsurveyor@gmail.com

JOB NUMBER: OL3040

PROPERTY SITUATED AT:
TAX BLOCK ... 601
TAX LOTS... 1, 4, 5, 8, 10
356/357/358/359 WEST STREET
166 LEROY STREET
BOROUGH OF MANHATTAN
COUNTY OF NEW YORK
CITY & STATE OF NEW YORK

DATE OF SURVEY: MARCH 23, 2013

NO.	DATE	REVISION
1	03/04/2015	50% DD PROGRESS SET



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
115 FIFTH AVENUE
NEW YORK, NY 10003
T. 212.353.7500
F. 212.353.7676

Owner:
160 LEROY LLC
818 GREENWICH STREET
NEW YORK, NY 212.796.9400

Design Consultant:
HERZOG & DE MEURON
RHEINSCHANZE 6
4056 BASEL, SWITZERLAND, +41.61.385.5757

Civil / Geotechnical / Environmental:
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360 WEST 31ST STREET, 5TH FL
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Structural Engineer:
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Envelop Consultant:
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Acoustical Engineer:
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Pool Consultant:
TRACE POOLS DESIGN
333 WESTCHESTER AVE - EAST TERRACE
WHITE PLAINS, NY, 914.495.4290

Vertical Transport Consultant:
VAN DEUSEN & ASSOCIATES
5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9020

PROJECT TITLE:
160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:
SURVEY

SCALE: N.T.S. PAGE: 1 OF 103

G-010.00

DOB BSCAN STICKER

SEAL

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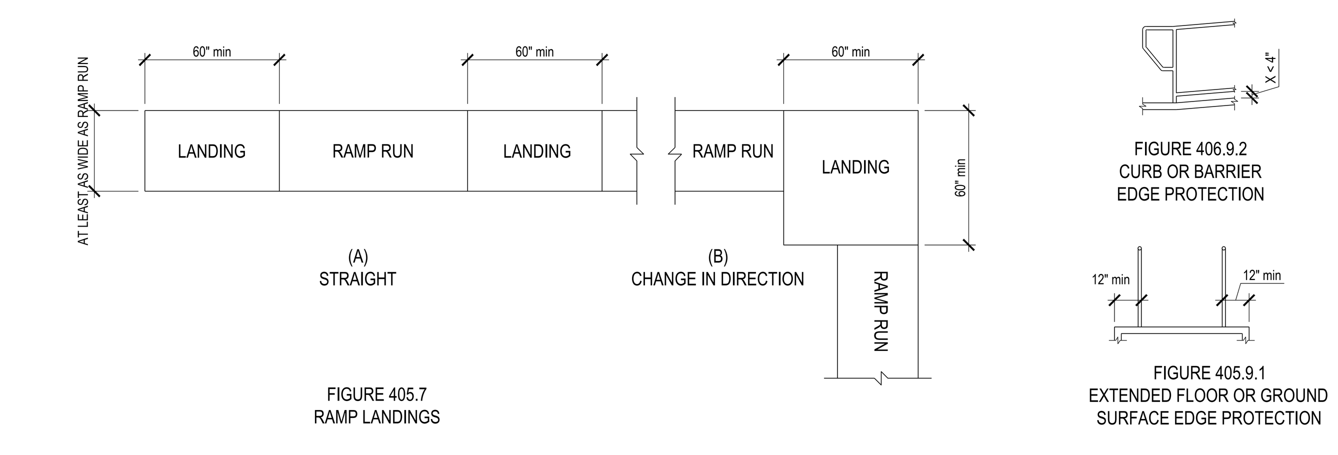
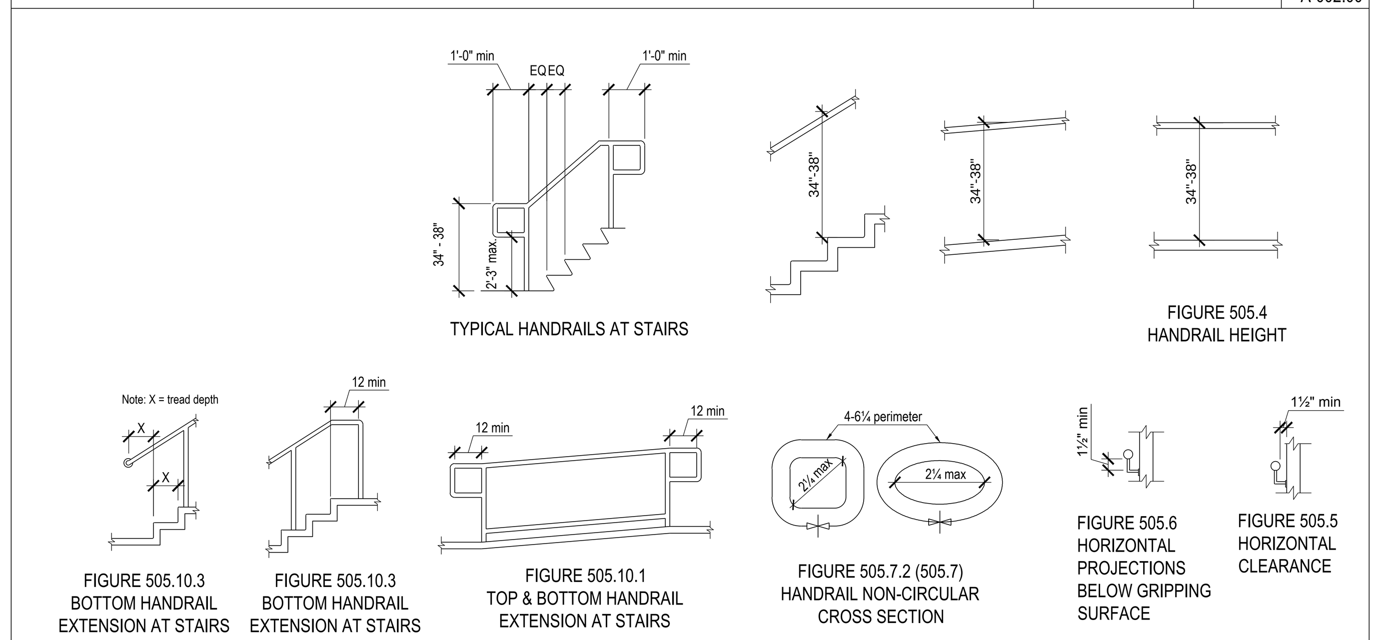
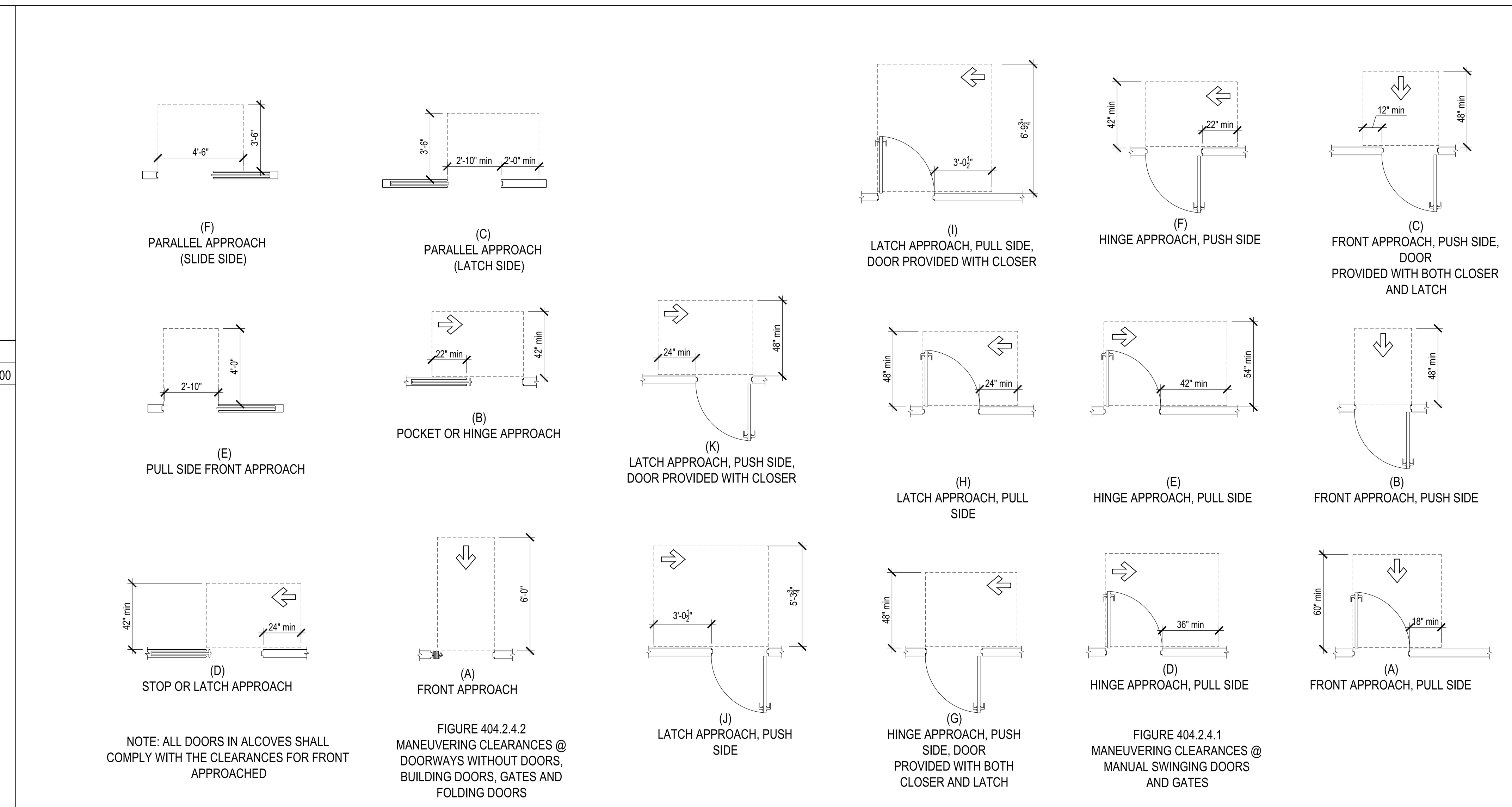


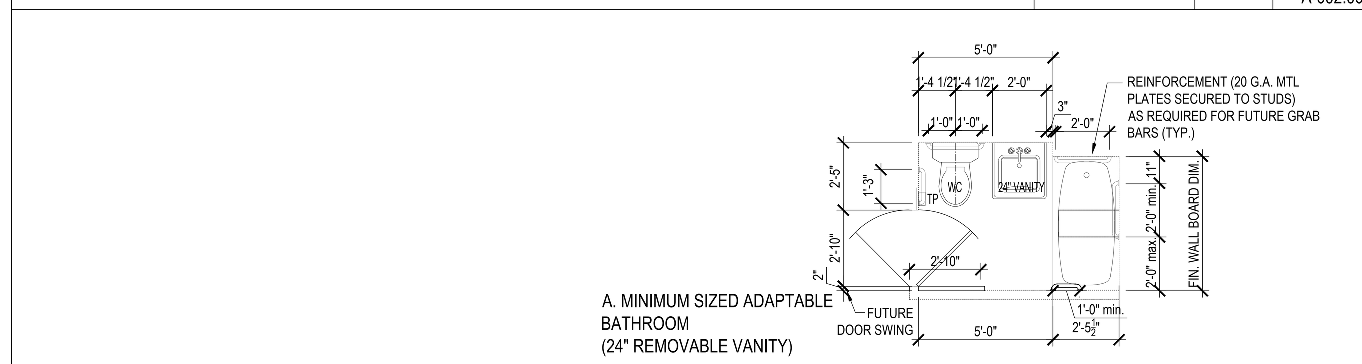
405 RAMPS | 3/8" = 1'-0" | 20 | A-002.00



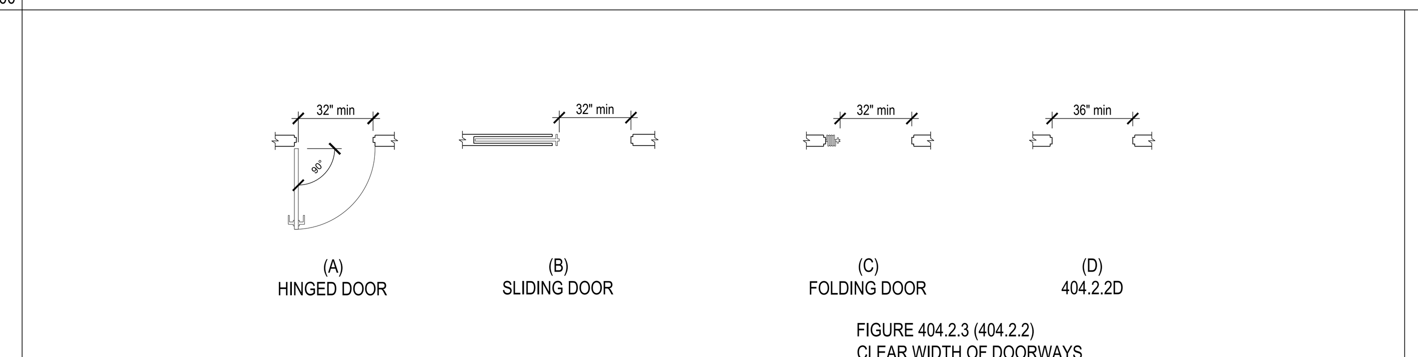
505 HANDRAILS | 1/4" = 1'-0" | 19 | A-002.00



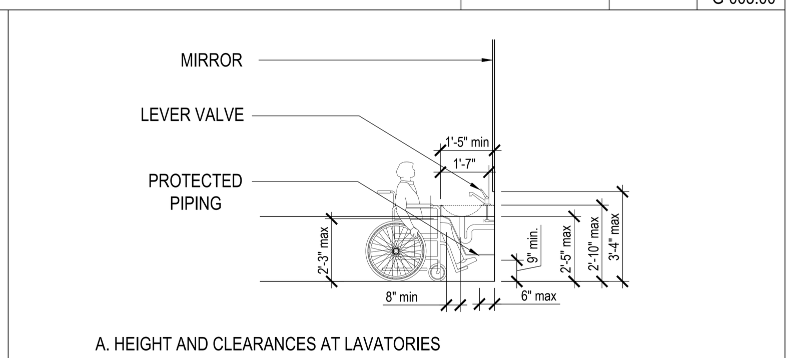
404.2.4 DOORS, DOORWAYS & GATES | 1/4" = 1'-0" | 7 | G-003.00



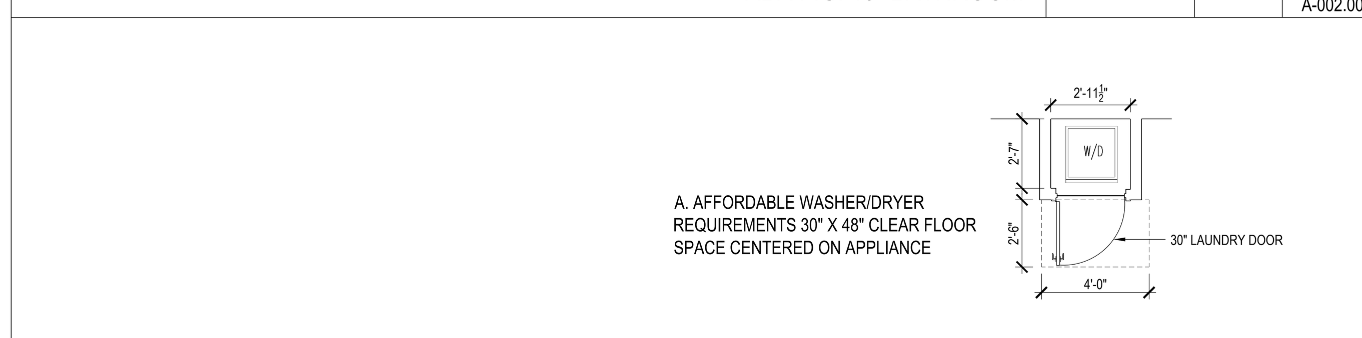
ADA FIG. 19- BATHROOM | 1/4" = 1'-0" | 18 | A-002.00



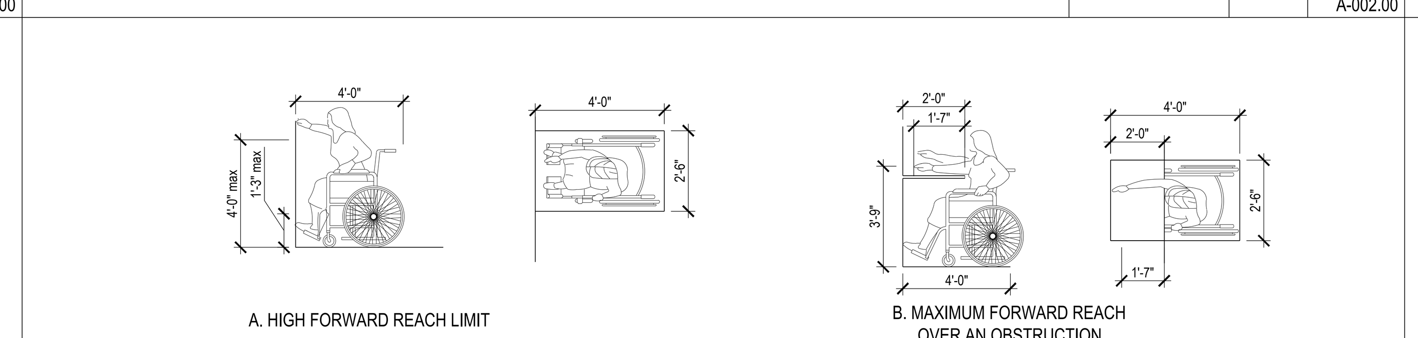
404-2-3 DOOR,DOORWAYS & GATES-CLEAR WIDTH | 1/4" = 1'-0" | 12 | A-002.00



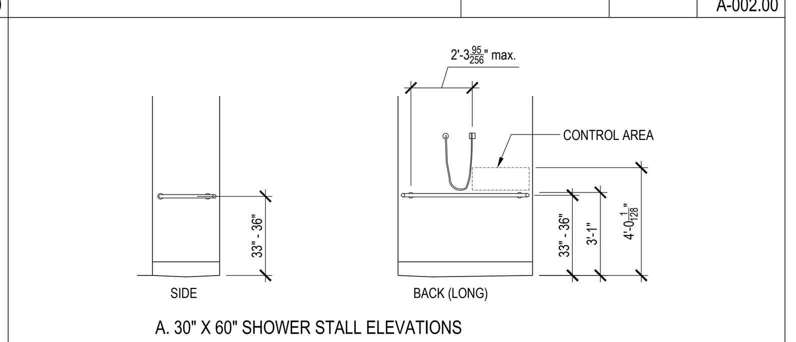
ADA FIG. 3 - LAVATORY CLEARANCE | 1/4" = 1'-0" | 6 | A-002.00



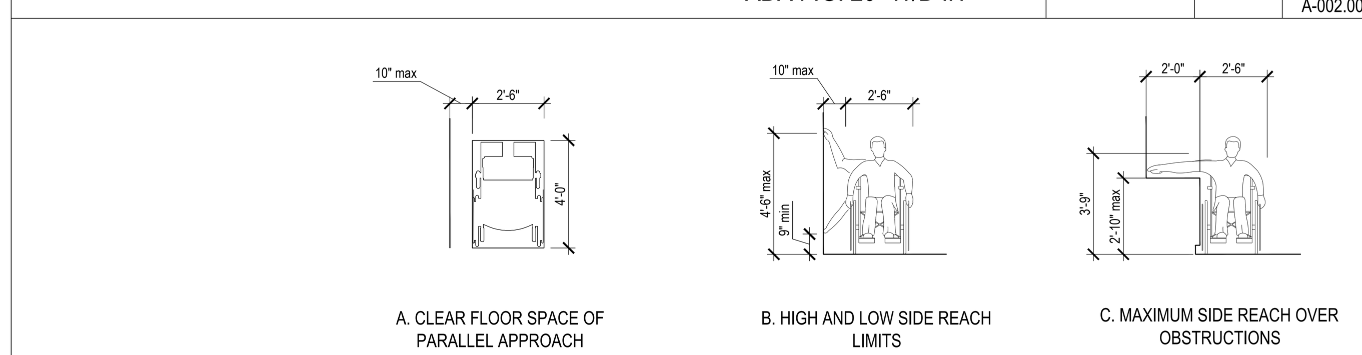
ADA FIG. 20- W/D IH | 1/4" = 1'-0" | 17 | A-002.00



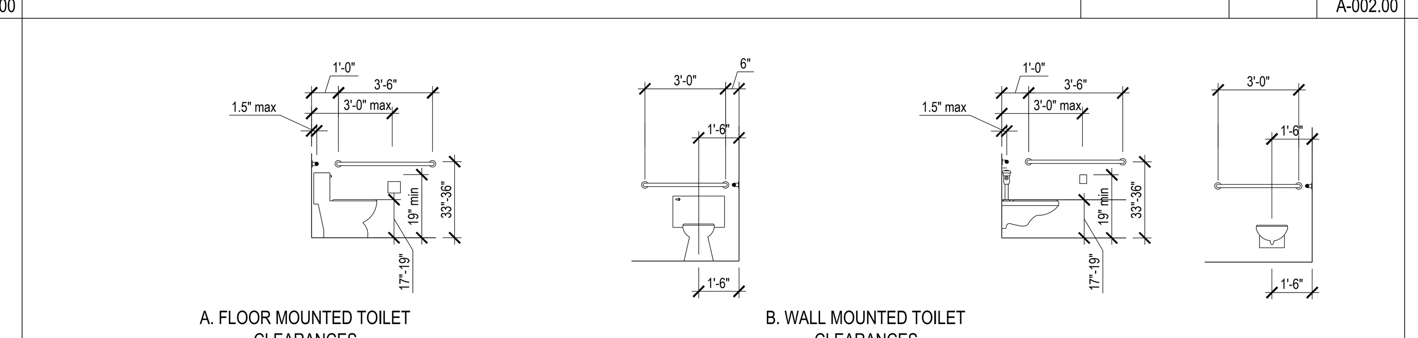
ADA FIG. 2 - FORWARD REACH | 1/4" = 1'-0" | 11 | A-002.00



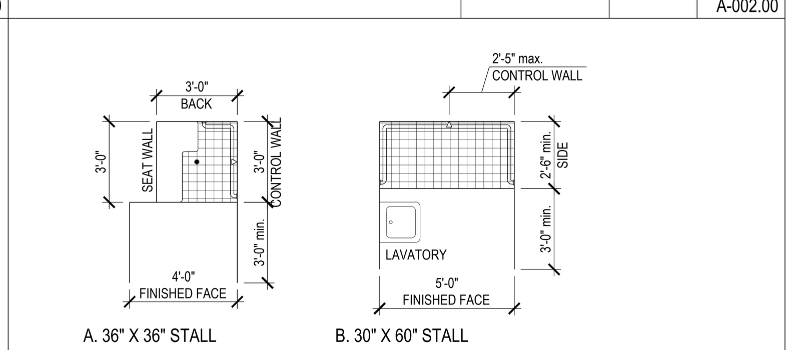
ADA FIG. 6 - SHOWER STALLS | 1/4" = 1'-0" | 5 | A-002.00



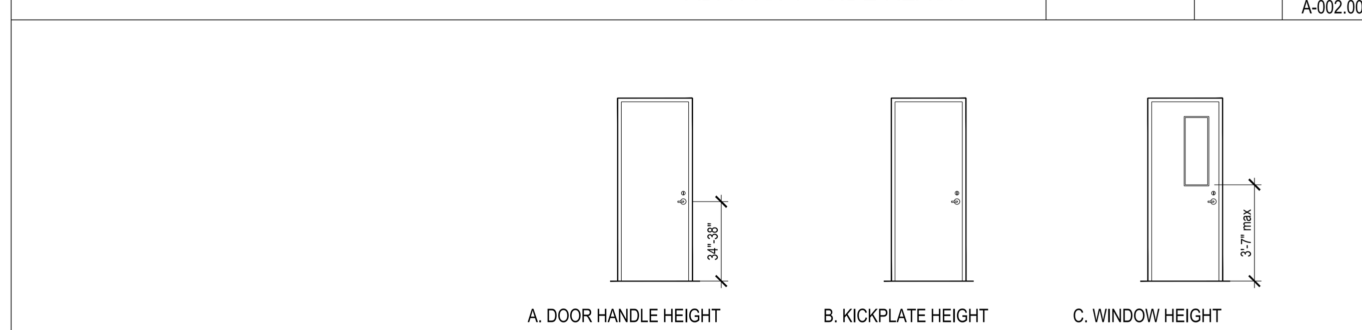
ADA FIG. 1 - SIDE REACH | 1/4" = 1'-0" | 16 | A-002.00



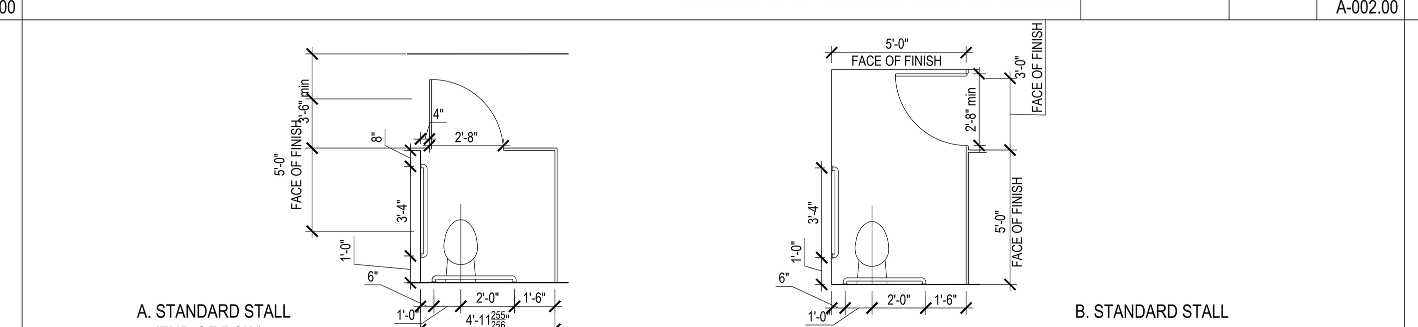
ADA FIG. 5 - TOILET CLEARANCES | 1/4" = 1'-0" | 10 | A-002.00



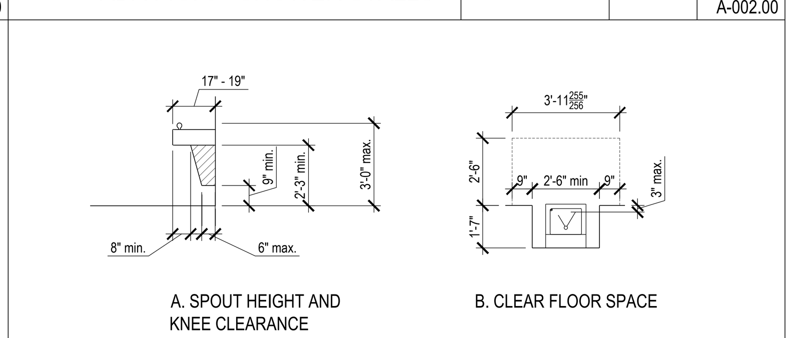
ADA FIG. 9 - SHOWER STALLS | 1/4" = 1'-0" | 4 | A-002.00



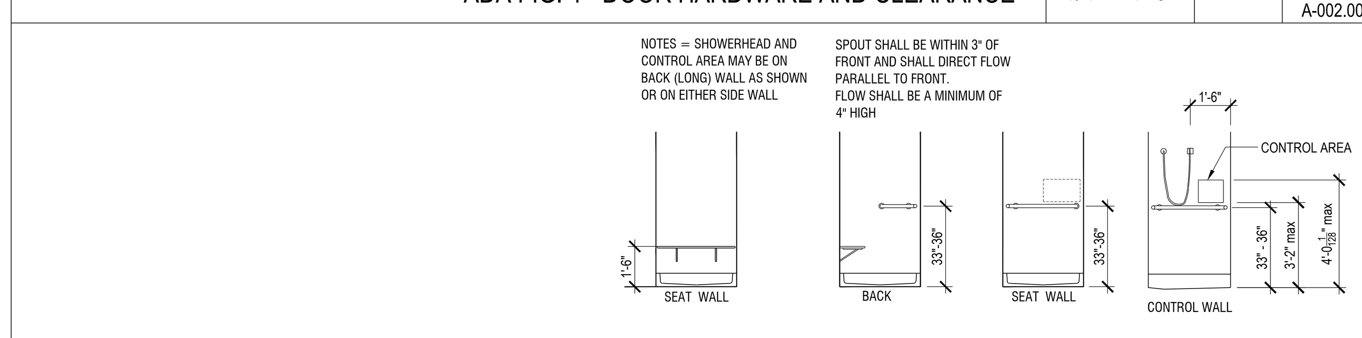
ADA FIG. 4 - DOOR HARDWARE AND CLEARANCE | 1/4" = 1'-0" | 15 | A-002.00



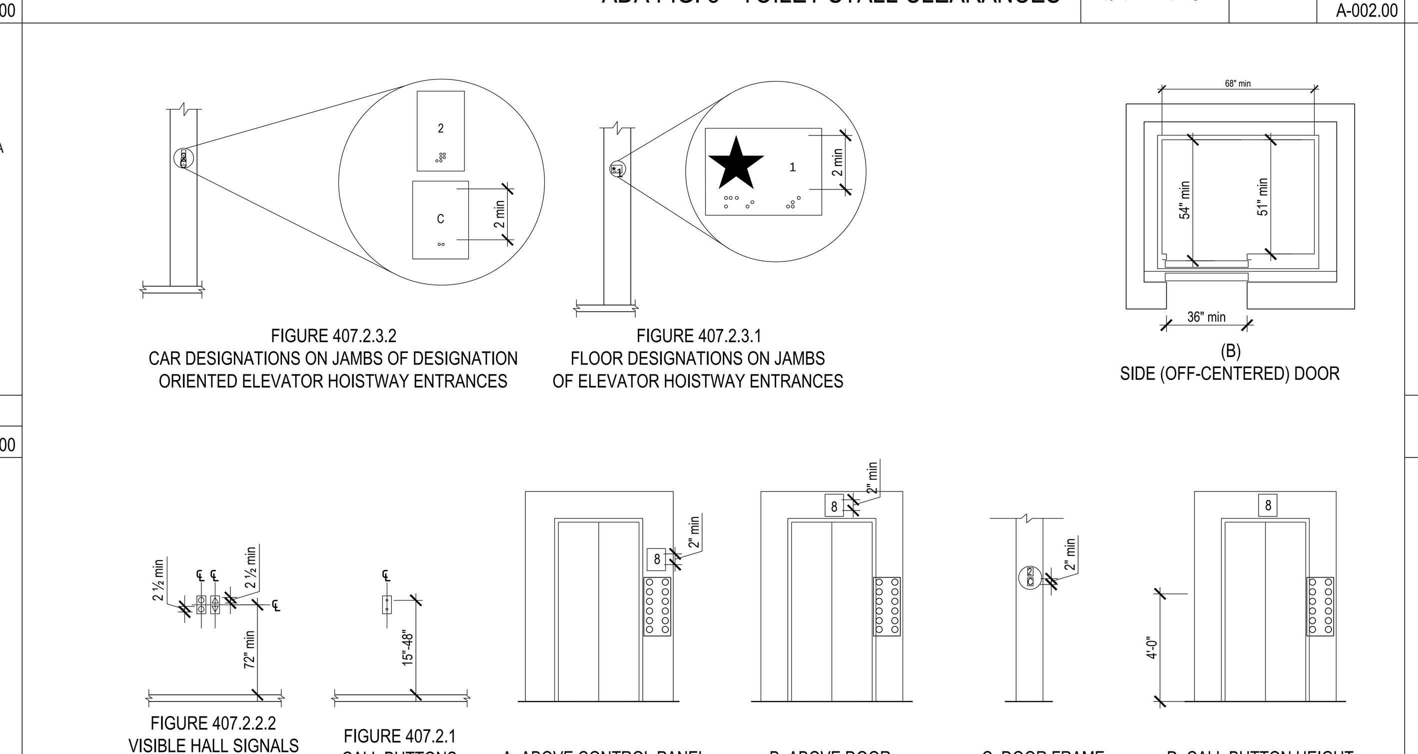
ADA FIG. 8 - TOILET STALL CLEARANCES | 1/4" = 1'-0" | 9 | A-002.00



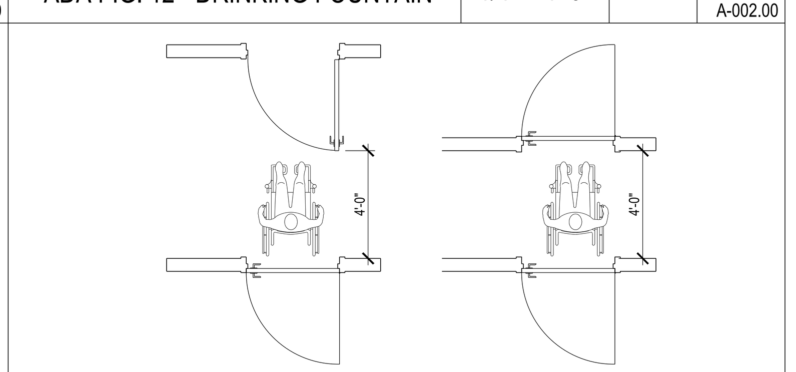
ADA FIG. 12 - DRINKING FOUNTAIN | 1/4" = 1'-0" | 3 | A-002.00



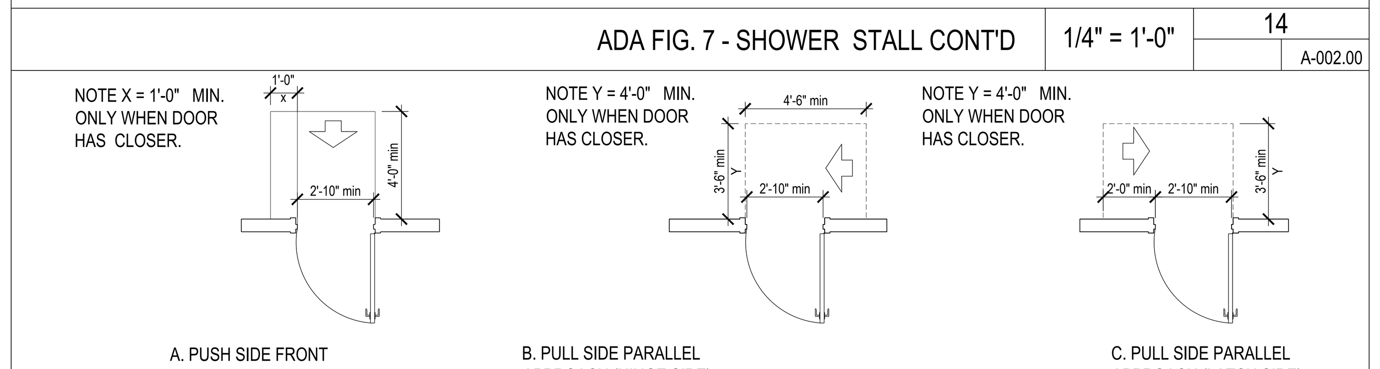
ADA FIG. 7 - SHOWER STALL CONT'D | 1/4" = 1'-0" | 14 | A-002.00



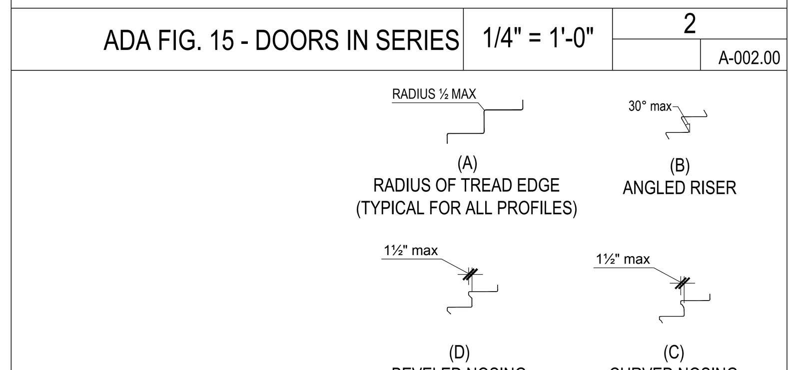
ADA FIG. 14 - ELEVATOR & ELEVATOR SIGNAGE | 1/4" = 1'-0" | 8 | A-002.00



ADA FIG. 15 - DOORS IN SERIES | 1/4" = 1'-0" | 2 | A-002.00



ADA FIG. 10 - PUSH SIDE CLEARANCE AT DOORS | 1/4" = 1'-0" | 13 | A-002.00



TYPICAL STAIRS | 1/4" = 1'-0" | 1 | A-002.00

BUILDING CODE ANALYSIS

Table 503 - ALLOWABLE HEIGHT & BUILDING AREA	
OCCUPANCY GROUP	R-2 RESIDENTIAL (BC 302.1/310.1.2)
THE CONSTRUCTION TYPE	TYPE I-B, FULLY SPRINKLERED (BC 602)
HEIGHT	UNLIMITED (TABLE 503)
AREA	UNLIMITED (TABLE 503)

Table 508.2 - INCIDENTAL USE AREAS

ROOM OR AREA	FIRE RESISTANCE (HOURS)
EXIT STAIR ENCLOSURES (1022.1)	2 HRS*
ELEVATOR HOISTWAYS (708.4)	2 HRS*
OTHER SHAFTS (708.4)	2 HRS
EXIT PASSAGEWAY (1023.3)	2 HRS
DWELLING UNIT SEPARATIONS (420.2) (710.1)	1 HR
INTERIOR CORRIDOR (TABLE 1018.1.1)	0 HR
PUBLIC CORRIDORS AND INTERVENING PUBLIC HALLS (1014.2.2, TABLE 1018.1.2)	1 HR
ELEVATOR LOBBIES (708.14.1)	0 HR
EMERGENCY POWER GENERATOR & AUTOMATIC TRANSFER DEVICES (2702.1.2.2, 2702.1.7.2)	2 HRS
FIRE PUMP ROOM (913.2.1)	2 HRS
FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU/HR	2 HRS, OR 1 HR AND PROVIDE AUTOMATIC FIRE-EXTINGUISHING SYSTEM
ROOMS WITH ANY BOILER OVER 15 PSI & 10 HORSEPOWER	2 HRS, OR 1 HR AND PROVIDE AUTOMATIC FIRE-EXTINGUISHING SYSTEM
MECHANICAL AND/OR ELECTRICAL EQUIPMENT ROOM	1 HR
PARKING GARAGE (SECTION 406.2)	1 HR, OR 1 HR AND PROVIDE AUTOMATIC FIRE-EXTINGUISHING SYSTEM
LAUNDRY ROOM	1 HR, OR PROVIDE AUTOMATIC FIRE-EXTINGUISHING SYSTEM
STORAGE ROOM	1 HR, OR PROVIDE AUTOMATIC FIRE-EXTINGUISHING SYSTEM
WASTE AND LINEN COLLECTION ROOM	1 HR, OR PROVIDE AUTOMATIC FIRE-EXTINGUISHING SYSTEM

* WALLS ENCLOSING EXIT STAIRS & HOIST-WAYS MUST BE ENCLOSED IN MASONRY OR MASONRY EQUIVALENT CONSTRUCTION IN ACCORDANCE WITH SECTION 403.2.3

Table 601 - FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS

BUILDING ELEMENT	TYPE I-B
COLUMNS	3 HRS
BEARING WALLS	
EXTERIOR	2 HRS
INTERIOR SUPPORTING ONLY ROOF	1 HR
INTERIOR SUPPORTING MORE THAN ROOF	2 HRS
NONBEARING WALLS	
EXTERIOR	FROM 0 HR TO 1 HR (ACCORDING TO TABLE 602) NOT LESS THAN THE FIRE-RESISTANCE REQUIRED BY OTHER SECTIONS OF THIS CODE
INTERIOR	
FLOOR CONSTRUCTION	2 HRS
ROOF CONSTRUCTION	1 HR

Table 602 - FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE

FIRE SEPARATION DISTANCE	TYPE OF CONSTRUCTION	FIRE RESISTANCE RATING (IN HOURS)
< 5'	TYPE I-B	3
≥ 5' TO < 30'	TYPE I-B	2
≥ 30'	TYPE I-B	0

Table 705.8 - MAX. AREA OF EXTERIOR WALL OPENING

0' TO 3'	> 3' TO < 5'	> 5' TO < 10'	> 10' TO < 15'
NOT PERMITTED	15%	25%	45%
>15' TO < 20'	> 20' TO < 25'	> 25' TO < 30'	> 30'
75%	NO LIMIT	NO LIMIT	NO LIMIT

Table 1005.1 - EGRESS WIDTH PER OCCUPANT SERVED

OCCUPANT	STAIRWAYS* (INCHES/ OCCUPANT)	OTHER COMPONENTS (INCHES/ OCCUPANT)	PROVIDED
ALL EXCEPT HAZZARDOUS	0.3	0.2	4 STAIRS x 44" = 176" TOTAL

Table 1021.1 - NUMBER OF EXITS REQUIRED

OCCUPANCY LOAD (PERSONS PER STORY)	NUMBER OF EXITS REQUIRED
1-500	2 EXITS REQUIRED
501 - 1,000	3 EXITS REQUIRED
MORE THAN 1,000	4 EXITS REQUIRED

1014.3, 1015.1 - COMMON PATH OF TRAVEL LIMITATIONS

OCCUPANCY	MINIMUM 2 MEANS OF EGRESS REQUIRED: IF OCCUPANT LOAD GREATER THAN (TABLE 1015.1)	COMMON PATH OF TRAVEL LIMITATIONS (1014.3) (1028.3)
ASSEMBLY	74	30 FT *
MECHANICAL / ELECTRICAL	49	100 FT **
STORAGE	29	100 FT **
RESIDENTIAL	20	125 FT
MERCANTILE	74	75 FT

* FOR AREAS SUCH AS BALCONIES, SERVING NOT MORE THAN 50 OCCUPANTS, THE COMMON PATH OF TRAVEL MUST NOT EXCEED 75.

** THE BUILDING MUST BE EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM.

Table 1016.1, 1028.7 - EXIT ACCESS TRAVEL DISTANCE *

USE	DISTANCE (FEET)
ASSEMBLY	150 FT (PRIMARY) 250 FT (SECONDARY)
RESIDENTIAL	200 FT
MERCANTILE	200 FT
MECHANICAL / ELECTRICAL / PARKING GARAGE	250 FT

* FOR BUILDINGS EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM.

Table 803.5 - INTERIOR FINISH REQUIREMENTS BASED ON OCCUPANCY GROUP

USE GROUP	SPRINKLERED: VERTICAL EXITS AND EXIT PASSAGEWAYS	EXIT ACCESS CORRIDORS AND OTHER EXITWAYS	ROOMS AND ENCLOSED SPACES
R-2	B	B	C
M	B	B	B
S-1, S-2	B	C	C
A-1, A-2, A-3	B	B	C

TABLE 1004.1.1 OCCUPANT LOAD CALCULATION

USE	OCCUPANT LOAD FACTOR (SF / OCCUPANT)
EXERCISE ROOMS	50 (GROSS)
RESIDENTIAL	200 GROSS WITHIN DWELLING UNITS
MERCANTILE	30 (GROSS)
STORAGE	300 (GROSS)
PARKING GARAGE	200 (GROSS)
SWIMMING POOLS	50 (GROSS) FOR POOL 15 (GROSS) FOR DECKS

BUILDING CODE NOTES

THIS ABSTRACT OF CODE REQUIREMENTS HAS BEEN PRODUCED TO THE PROPOSED 160 LEROY STREET RESIDENTIAL BUILDING LOCATED AT 160 LEROY STREET IN NEW YORK, NEW YORK. THE PROVISIONS IDENTIFIED IN THIS ABSTRACT ARE BASED ON THE 2014 NEW YORK CITY BUILDING CODE. THE 2014 NEW YORK CITY BUILDING CODE IS BASED ON THE 2009 INTERNATIONAL BUILDING CODE (IBC).

BUILDING OCCUPANCY CLASSIFICATION: R-2 RESIDENTIAL (BC 302.1/310.1.2)
BUILDING CONSTRUCTION CLASSIFICATION: TYPE I-B, NONCOMBUSTIBLE, FULLY SPRINKLERED (BC 602)

BC 1617.3.2 - STRUCTURAL SEPARATION

ALL STRUCTURES SHALL BE SEPARATED FROM ADJACENT STRUCTURES. WHEN A STRUCTURE ADJOINS A PROPERTY LINE NOT COMMON TO A PUBLIC WAY (TYPICALLY SIDE OR REAR LOT LINES), THAT STRUCTURE SHALL ALSO BE SET BACK FROM THE PROPERTY LINE BY AT LEAST 1 INCH (25 MM) FOR EACH 50 FEET (15 240) OF HEIGHT.

SOUTHEAST CORNER OF LOT 10 ADJACENT TO OUTPARCEL LOT 13
SEPARATION REQUIRED = 1"-PER 50'
SEPARATION PROVIDED = 3"

1. ALL CONSTRUCTION SHALL CONFORM TO THE RULES AND REGULATIONS OF THE 2014 NEW YORK CITY BUILDING CODE.

2. SPECIAL INSPECTIONS SHALL BE OBTAINED FOR THE FOLLOWING AREAS OF WORK. INSPECTIONS SHALL BE MADE AND WITNESSED BY OR UNDER THE DIRECT SUPERVISION OF AN ARCHITECT OR ENGINEER RETAINED BY THE OWNER AND ACCEPTABLE TO THE ARCHITECT OF RECORD. TEST REPORTS AND CERTIFICATES OF INSPECTION SHALL BE FILED WITH THE BUILDING DEPARTMENT.

(A.) CONCRETE - CAST IN PLACE (BC 1704.4).
(B.) MECHANICAL SYSTEMS (BC 1704.15).
(C.) FUEL GAS PIPING (WELDING) (BC 1704.18).
(D.) EXCAVATION - SHEETING, SHORING, AND BRACING (BC 1704.19, BC 3304.4.1).
(E.) SITE STORM DRAINAGE DISPOSAL AND DETENTION SYSTEM INSTALLATION (BC 1704.20).
(F.) HEATING SYSTEMS (BC 1704.23).
(G.) CHIMNEYS (BC 1704.24).
(H.) FIRESTOP, DRAFSTOP, AND FIREBLOCK SYSTEMS (BC 1704.25).
(I.) CONCRETE TEST CYLINDERS (BC 1905.6).
(J.) CONCRETE DESIGN MIX (BC 1905.3).
(K.) ENERGY CODE COMPLIANCE INSPECTIONS (BC 109.3.5).
(L.) STRUCTURAL STEEL - WELDING
(M.) STRUCTURAL STEEL - ERECTION AND BOLTING
(N.) MASONRY
(O.) SOILS - SITE PREPARATION
(P.) SOILS - FILL PLACEMENT & IN-PLACE DENSITY
(Q.) SOILS - INVESTIGATIONS (BORINGS/TEST PITS)
(R.) PILE FOUNDATIONS & DRILLED PIER INSTALLATION
(S.) SPRAYED FIRE-RESISTANT MATERIALS
(T.) FRAME INSPECTION
(U.) FIRE-RESISTANCE RATED CONSTRUCTION

3. LIST OF APPROVALS TO BE FILED SEPARATELY:

(A.) FIRE PROTECTION PLAN (APPLICATION #TBD)
(B.) SPRINKLERS (APPLICATION #TBD)
(C.) STANDPIPES (APPLICATION #TBD)
(D.) ELEVATORS (APPLICATION #TBD)
(E.) FIRE ALARM (APPLICATION #TBD)
(F.) CURB CUTS & SIDEWALKS (APPLICATION #TBD)
(G.) BOILERS (APPLICATION #TBD)
(H.) BUILDER'S PAVEMENT PLAN (APPLICATION #TBD)
(I.) UNDERPINNING & SHORING (APPLICATION #TBD)
(J.) SITE SAFETY PLAN

4. EQUIPMENT USE PERMITS: INSPECTIONS AND TESTS PERMITS WILL BE OBTAINED FOR USE OF THE FOLLOWING EQUIPMENT:

(A.) AIR CONDITIONING AND VENTILATION SYSTEMS
(B.) ELEVATORS.
(C.) HEATING SYSTEMS.
(D.) BOILERS.
(E.) STANDPIPES (UNDER SEPARATE APPLICATION)
(F.) SPRINKLERS (UNDER SEPARATE APPLICATION)

5. EQUIPMENT REQUIRING USE OF PERMITS SHALL BE INSPECTED AND TESTED TO DETERMINE PROPER FUNCTIONING AND COMPLIANCE WITH THE BUILDING CODE AND OTHER APPLICABLE LAWS AND REGULATIONS. ALL INSPECTIONS AND TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE REQUIRED INSPECTION AND TEST PROCEDURES AND SIGNED COPIES OF REQUIRED INSPECTIONS AND TEST REPORTS SHALL BE FILED WITH THE DEPARTMENT OF BUILDINGS AND FORM PART OF THE PAPERS ACCOMPANYING THE PERMIT APPLICATION.

6. POST-FIRE SMOKE PURGE SYSTEMS IN R-2 OCCUPANCY GROUP NOT REQUIRED (28.2-403.13)

7. NOTIFICATION OF THE DEPARTMENT. NO EARTHWORK WITHIN THE PROPERTY LINE SHALL COMMENCE UNLESS THE PERMIT HOLDER NOTIFIES THE DEPARTMENT, VIA PHONE OR ELECTRONICALLY, AT LEAST 24 HOURS, BUT NO MORE THAN 48 HOURS PRIOR THE COMMENCEMENT OF SUCH WORK. THE NOTIFICATION SHALL STATE THE DATE THAT SUCH EARTHWORK IS TO COMMENCE. REFER TO SECTION 3304 FOR MORE INFO. (28.2-3304.3.1)

8. MECHANICAL EQUIPMENT AND BUILDING SYSTEMS SHALL BE CONSTRUCTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE 2008 NEW YORK CITY MECHANICAL CODE AND THE 2008 NEW YORK CITY FUEL GAS CODE. (BC 2801.1)

9. PLUMBING SYSTEM AND EQUIPMENT SHALL BE CONSTRUCTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE 2008 NEW YORK CITY BUILDING CODE. (BC 2901.1)

10. ALL PERMITS ISSUED BY THE DEPARTMENT OF BUILDINGS SHALL BE POSTED IN A CONSPICUOUS PLACE OPEN TO PUBLIC INSPECTION FOR THE ENTIRE TIME OF THE PROSECUTION OF THE WORK OF THE USE AND OPERATION OF THE EQUIPMENT OR UNTIL THE EXPIRATION OF THE PERMIT.

11. EVERY STRUCTURE SHALL BE CONSTRUCTED IN ACCORDANCE WITH PROVISIONS OF THE 2008 NYC BUILDING CODE APPENDIX F RODENT PROOFING AS REQUIRED AND INDICATED. 8" SLAB ON GRADE IS PROPOSED AT CELLAR LEVEL. REFER TO FOUNDATION SECTIONS 1 DRAWING FO-300 TO NOTE ABUTTING FOUNDATIONS WALLS DETAILS. ALL OPERABLE WINDOWS ARE 2 FEET ABOVE GROUND LEVEL, REFER TO ELEVATIONS DRAWING. THERE IS NO EXTERIOR WALL VENTILATION OPENINGS LOCATED WITH ANY PORTION WITHIN 2 FEET OF OUTSIDE GROUND LEVEL.

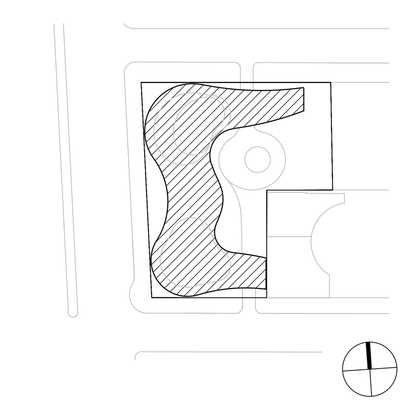
MULTIPLE DWELLING LAW GENERAL PROVISIONS

1. LIGHTING AND VENTILATION OF ROOMS SHALL BE AS PER SECTION 30, MDL.
2. SIZE OF ROOMS SHALL BE AS PER SECTION 31, MDL
3. ALCOVES SHALL BE AS PER SECTION 32, MDL.
4. COOKING SPACES (KITCHENS & KITCHENETTES) SHALL BE AS PER SECTION 33, MDL.
5. BUILDING ENTRANCE DOORS AND LIGHTS SHALL BE AS PER SECTION 35, MDL.
6. WINDOWS AND SKYLIGHTS FOR PUBLIC HALLS AND STAIRS SHALL BE AS PER SECTION 36, MDL.
7. ARTIFICIAL HALL LIGHTING SHALL BE AS PER SECTION 37, MDL.
8. ENTRANCE HALLS TO BE AS PER SECTION 50, MDL.
9. BUILDING ENTRANCE DOORS, LOCKS AND INTERCOMMUNICATIONAL SYSTEMS SHALL BE AS PER SECTION 50-A, MDL
10. ALL SHAFTS, ELEVATORS AND DUMBWAITERS SHALL BE AS PER SECTION 51, MDL.
11. APARTMENT PEEPHOLES SHALL BE AS PER SECTION 51-A, MDL.
12. MIRRORS IN SELF-SERVICE ELEVATORS SHALL BE AS PER SECTION 51-B, MDL.
13. STAIRS SHALL BE AS PER SECTION 52, MDL.
14. WAINSCOTING SHALL BE AS PER SECTION 55, MDL.
15. ENTRANCE BOLTS AND MAIL RECEPTACLES SHALL BE AS PER SECTION 57, MDL
16. ALL INCOMBUSTIBLE MATERIALS SHALL BE AS PER SECTION 58, MDL.
17. PARAPETS AND GUARD RAILINGS SHALL BE AS PER SECTION 62, MDL.
18. SUB-CURB USES SHALL BE AS PER SECTION 63, MDL.
19. LIGHTING, GAS METERS, GAS AND OIL APPLIANCES SHALL BE AS PER SECTION 64, MDL.
20. BOILER ROOMS SHALL BE AS PER SECTION 65, MDL.
21. WATER SUPPLY SHALL BE AS PER SECTION 75, MDL.
22. WATER-CLOSET AND BATH ACCOMMODATIONS SHALL BE AS PER SECTION 76, MDL.
23. PLUMBING AND DRAINAGE SHALL BE AS PER SECTION 77, MDL.
24. REPAIRS SHALL BE MADE AS PER SECTION 78, MDL.
25. HEAT SHALL BE PROVIDED AS PER SECTION 79, MDL.
26. CLEANLINESS SHALL BE AS PER SECTION 80, MDL.
27. RECEPTACLES FOR WASTE MATTER SHALL BE AS PER SECTION 81, MDL.
28. PRIVACY SHALL BE AS PER SECTION 82, MDL.
29. JANITORIAL SERVICES SHALL BE AS PER SECTION 83, MDL.
30. CONSTRUCTION STANDARDS FOR THE CONTROL OF NOISE SHALL BE AS PER SECTION 84, MDL.

HOUSING MAINTENANCE CODE

1. OWNER SHALL FILE REGISTRATION STATEMENT AS PER D26-41.01 AND D26-41.03 HMC
2. OWNER SHALL PROVIDE A SIGN IDENTIFYING OWNER, MANAGEMENT AND SUPERINTENDANTS PER D26-41.15.
3. FLOOR SIGNS SHALL BE PLACED AND MAINTAINED ON EACH FLOOR LEVEL AS PER D26-21.03 HMC.
4. ALL APARTMENT ENTRANCE DOORS SHALL BE A MINIMUM 3/4 HOUR RATED, SELF CLOSING WITH PEEPHOLES AS PER D26-20.01 HMC AND LOCKS AS PER D26-20.05 HMC
5. MIRRORS IN ELEVATORS SHALL BE AS PER D26-20.03 HMC.
6. THE BUILDING'S HEATING AND HOT WATER SUPPLY SHALL COMPLY WITH D26-17.01, 17.03, 17.05 AND 17.07 HMC.
7. LIGHTING SHALL BE PROVIDED AS PER D26-19.03, D26-19.05, AND D26-19.07 HMC. AND C26-605AC, C26-1203AC AND SECTION 26-35 MDL.
8. GARBAGE COLLECTION AND STORAGE IN RECEPTACLES SHALL COMPLY WITH D26-14.03 AND D26-14.05 HMC.
9. U.S. MAIL SERVICE SHALL BE PROVIDED AS PER D26-21.01 HMC.
10. THE BUILDING STREET NUMBER SHALL BE DISPLAYED AS PER D26-21.05.
11. JANITORIAL SERVICES SHALL BE PROVIDED AS PER D26-22.03 HMC.
12. OWNER SHALL PAINT ALL PUBLIC PARTS OF A MULTIPLE DWELLING AS PER D26-12.01 HMC
13. INTERIOR OF DWELLING UNITS SHALL BE CLEANED AS PER D11.05 HMC.
14. DUTIES OF OWNER SHALL BE AS PER D26-10.01 HMC.
15. DUTIES OF TENANTS SHALL BE AS PER D26-10.03 AND 10.05 HMC.
16. OWNER'S RIGHT OF ACCESS SHALL BE AS PER D26-10.07 HMC.
17. EXTERMINATION AND RODENT ERADICATION SHALL BE AS PER D26-13.03 AND 13.05 HMC.
18. WATER SHALL BE SUPPLIED AS PER D26-15.01 &15.03 HMC.
19. THE PLUMBING AND DRAINAGE SYSTEM SHALL BE MAINTAINED AS PER D26-16.01HMC.
20. DRAINAGE OF ROOFS AND COURT YARDS SHALL BE AS PER D26-16.03 HMC.
21. NATURAL LIGHT AND VENTILATION SHALL BE PROVIDED AS PER D26-30.014 AND 30.03 HMC FOR MULTIPLE DWELLINGS.
22. SANITARY FACILITIES IN MULTIPLE DWELLINGS AND LIGHT AND VENTILATION FOR TOILET COMPARTMENTS SHALL BE AS PER D26-31.01, 31.03, 31.05, 31.07 AND 31-11 HMC
23. KITCHENS AND KITCHENETTES SHALL BE PROVIDED WITH PROPER FACILITIES, EQUIPMENT, LIGHTING, VENTILATION AND FIRE PROTECTION AS PER D26-32.01, 32.03, AND 32.05 HMC.
24. MINIMUM ROOM SIZES SHALL BE AS PER D26-33.01 AND MAXIMUM OCCUPANCY SHALL BE AS PER D26-33.03.

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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WHITE PLAINS, NY, 914.495.4290

Vertical Transport Consultant:
VAN DEUSEN & ASSOCIATES
5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

CODE & ADA COMPLIANCE

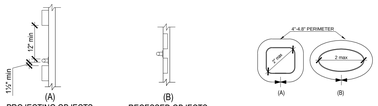
SCALE: N.T.S. PAGE: 5 OF 103

A-002.00

DOB BSCAN STICKER

SEAL

NOT FOR CONSTRUCTION
ISSUED FOR PRICING ONLY
02/13/2013

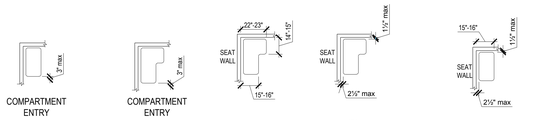


(A) PROJECTING OBJECTS (B) RECESSED OBJECTS

FIGURE 609.3
SPACING OF GRAB BARS

FIGURE 609.2.2
GRAB BAR NON-CIRCULAR
CROSS SECTION

609 GRAB BARS | 1/4" = 1'-0" | 1 | A-003.00



COMPARTMENT ENTRY (A) RECTANGULAR

COMPARTMENT ENTRY (B) L-SHAPED

FIGURE 610.3
EXTENT OF SEAT

(A) SIZE (B) DISTANCE FROM WALL

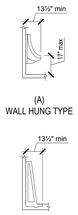
FIGURE 610.3.2
L SHAPED

FIGURE 610.3.1
RECTANGULAR SHOWER SEAT

610 SEATS | 1/4" = 1'-0" | 1 | A-003.00

FIGURE 602.5
DRINKING FOUNTAIN SPOUT
LOCATION

602 DRINKING FOUNTAINS | 1 | A-003.00



(A) WALL HUNG TYPE

(B) STALL TYPE

FIGURE 605.2
HEIGHT AND DEPTH OF URINALS

605 URINALS | 1 | A-003.00

FIGURE 704.2.1.2
FORWARD APPROACH TO
TELEPHONE

FIGURE 704.2.1.1
PARALLEL APPROACH TO
TELEPHONE

704 TELEPHONES | 1 | A-003.00

ACCESSIBILITY NOTES

ACCESSIBILITY & USABILITY FOR THE PHYSICALLY HANDICAPPED SHALL BE PROVIDED IN PUBLIC AREAS. THE PROVISIONS SHALL COMPLY WITH THE REQUIREMENTS OF INCIANSI A 117.1 2003 & ADAAG 2004. AS REQUIRED BY THE NYC BUILDING CODE 2008, SHOWN GRAPHICALLY ON SHEET AND IN NOTES BELOW.

404-2.6 DOOR HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. THEY SHALL BE MOUNTED WITHIN REACH RANGES SPECIFIED IN 4.2. LEVER-OPERATED MECHANISMS, PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES ARE ACCEPTABLE DESIGNS.WHEN SLIDING DOORS ARE FULLY OPEN. OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.

405-7 LANDINGS. RAMPS SHALL HAVE LEVEL LANDINGS AT THE BOTTOM AND TOP OF EACH RUN. LANDINGS SHALL HAVE THE FOLLOWING FEATURES:

1. THE LANDING SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO IT.

2. THE LANDING LENGTH SHALL BE A MINIMUM OF 60"(1525 MM) CLEAR.

3. IF RAMPS CHANGE DIRECTION AT LANDINGS, THE MINIMUM LANDING SIZE SHALL BE 60" BY 60" (1525 MM BY 1525 MM).

4. IF A DOORWAY IS LOCATED AT A LANDING,THEN THE AREA IN FRONT OF THE DOORWAY SHALL COMPLY WITH 404-2-3 & 404-3-2.

408-5 HANDRAILS. IF A RAMP RUN HAS A RISE GREATER THAN 6" (150 MM) OR A HORIZONTAL PROJECTION GREATER THAN 72" (1830 MM), THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS. HANDRAILS SHALL HAVE THE FOLLOWING FEATURES:

1. HANDRAILS SHALL BE PROVIDED ALONG BOTH SIDES OF RAMP SEGMENTS. THE INSIDE HANDRAIL ON SWITCHBACK OR DOGLEG.

2. IF HANDRAILS ARE NOT CONTINUOUS, THEY SHALL EXTEND AT LEAST 12" (305 MM) BEYOND THE TOP AND BOTTOM OF THE RAMP SEGMENT AND SHALL BE PARALLEL WITH THE FLOOR OR GROUND SURFACE.

703-2 CHARACTER PROPORTION. LETTERS AND NUMBERS ON SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE-WIDTH-TO-HEIGHT RATIO BETWEEN

703-3 TACTILE CHARACTERS OR SYMBOLS. CHARACTERS, SYMBOLS, OR PICTOGRAPHS ON TACTILE SIGNS SHALL BE RAISED 1/32" (0.8 MM) MINIMUM. RAISED LETTERS AND NUMBERS SHALL BE SANS SERIF UPPERCASE CHARACTERS. RAISED CHARACTERS OR SYMBOLS SHALL BE AT LEAST 5/8" (16 MM) HIGH, BUT NO HIGHER THAN A NOMINAL 2" (51 MM).

407-3-5 DOOR DELAY FOR CAR CALLS. THE MINIMUM TIME FOR ELEVATOR DOORS TO REMAIN FULLY OPEN IN RESPONSE TO A CAR CALL SHALL BE 3 SECONDS.

605 CLEAR FLOOR SPACE. A CLEAR FLOOR SPACE 30" BY 48" (760 MM BY 1220 MM) SHALL BE PROVIDED IN FRONT OF URINALS TO ALLOW FORWARD APPROACH. THIS CLEAR SPACE SHALL ADJOIN OR OVERLAP AN ACCESSIBLE ROUTE AND SHALL COMPLY WITH 305 PRIVACY SHIELDS ALLOWING LESS THAN 30" (760 MM) CLEAR WIDTH SHALL NOT EXTEND BEYOND THE FRONT EDGE OF THE URINAL RIM.

702 AUDIBLE ALARMS. AUDIBLE EMERGENCY ALARMS SHALL PRODUCE A SOUND THAT EXCEEDS THE PREVAILING EQUIVALENT SOUND LEVEL IN THE ROOM OR SPACE BY AT LEAST 15 DECIBELS OR EXCEEDS ANY MAXIMUM SOUND LEVEL WITH A DURATION OF 30 SECONDS BY 5 DECIBELS, WHICHEVER IS LOUDER. SOUND LEVELS FOR ALARM SIGNALS SHALL NOT EXCEED 120 DECIBELS.

702 VISUAL ALARMS. VISUAL ALARMS SHALL BE FLASHING LIGHTS ARRANGED TO FLASH IN CONJUNCTION WITH THE AUDIBLE EMERGENCY ALARMS. THE FLASHING FREQUENCY OF VISUAL ALARMS SHALL BE APPROXIMATELY 1 HZ. SPECIALIZED SYSTEMS USING ADVANCED TECHNOLOGY MAY BE SUBSTITUTED IF EQUIVALENT PROTECTION IS AFFORDED HANDICAPPED USERS OF THE BUILDING OR FACILITY.

702 AUXILIARY ALARMS. SENSORY ALARMS PROVIDED FOR PERSONS WITH HEARING IMPAIRMENTS SHALL BE CONNECTED TO THE BUILDING EMERGENCY SYSTEM OR THERE SHALL BE A STANDARD 110-VOLT USE OF THE AUXILIARY ALARM OR CONNECTIONS SHALL BE PROVIDED. ELECTRICAL RECEPTACLE INTO WHICH AN ALARM UNIT CAN BE CONNECTED TO BE ACTIVATED BY THE BUILDING ALARM SYSTEM. INSTUCTIONS FOR

703 SYMBOLS OF ACCESSIBILITY. IF ACCESSIBLE FACILITIES ARE IDENTIFIED, THEN THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE USED. COMPLY WITH 703-6-3-1

407-4-1 & 407-4-4 AUTOMATIC OPERATIONS. ELEVATOR OPERATION SHALL BE AUTOMATIC. EACH CAR SHALL BE EQUIPPED WITH A SELF-LEVELING FEATURE THAT WILL AUTOMATICALLY BRING THE CAR TO FLOOR LANDINGS WITHIN A TOLERANCE OF 1/3" (13 MM) UNDER RATED LOADING TO ZERO LOADING CONDITIONS. THIS SELF-LEVELING FEATURE SHALL BE AUTOMATIC AND INDEPENDENT OF THE OPERATING DEVICE AND SHALL CORRECT FOR OVERTRAVEL OR UNDERTRAVEL.

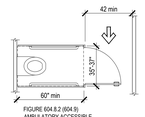


FIGURE 604.8.2 (604.9)
AMBULATORY ACCESSIBLE
TOILET COMPARTMENT

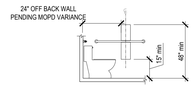


FIGURE 604.7
DISPENSER OUTLET LOCATION

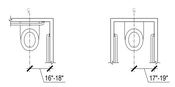


FIGURE 604.2
WATER CLOSET LOCATION

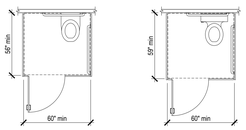


FIGURE 604.8.1.1 (604.8.2)

SIZE OF WHEELCHAIR ACCESSIBLE
TOILET COMPARTMENT

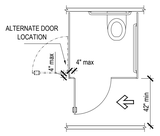


FIGURE 604.8.1.2
WHEEL CHAIR ACCESSIBLE
TOILET COMPARTMENT DOORS

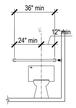


FIGURE 604.5.2
REAR WALL GRAB BAR AT WC

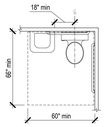


FIGURE 604.3.2
OVERLAP OF WC CLEARANCE IN
RESIDENTIAL DWELLING UNITS

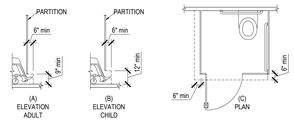


FIGURE 604.8.1.4 (604.8.5)
WHEEL CHAIR ACCESSIBLE
TOILET COMPARTMENT TOE
CLEARANCE

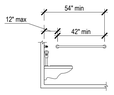


FIGURE 604.5.1
SIDE WALL GRAB
BAR AT WC

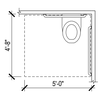


FIGURE 604.3.1
SIZE OF
CLEARANCE AT
WC

604 WATER CLOSETS AND TOILET COMPARTMENTS | 1/4" = 1'-0" | 1 | A-003.00

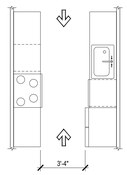
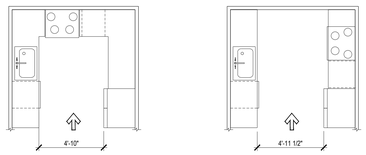


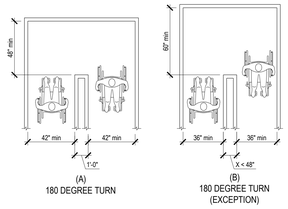
FIGURE 804.2.1
PASS-THRU KITCHEN CLEARANCE



(A) (B)

FIGURE 804.2.2
U-SHAPED KITCHEN CLEARANCE

804 KITCHENS AND KITCHENETTES | 1/4" = 1'-0" | 1 | A-003.00



(A) 180 DEGREE TURN

(B) 180 DEGREE TURN (EXCEPTION)

FIGURE 403.5.2 (403.5.5)
CLEAR WIDTH AT RETURN

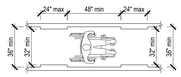
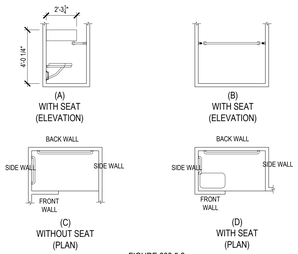


FIGURE 403.5.1(403.5)
CLEAR WIDTH OF AN ACCESSIBLE
ROUTE

403 WALKING SURFACES | 1/4" = 1'-0" | 1 | A-003.00



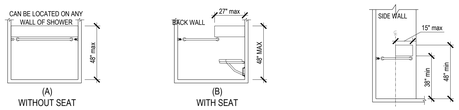
(A) WITH SEAT (ELEVATION)

(B) WITH SEAT (ELEVATION)

(C) WITHOUT SEAT (PLAN)

(D) WITH SEAT (PLAN)

FIGURE 608.5.2
STANDARD ROLL IN TYPE
SHOWER COMPARTMENT
CONTROL LOCATION

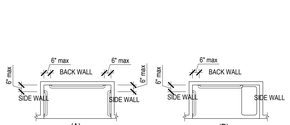


(A) WITHOUT SEAT

(B) WITH SEAT

FIGURE 608.5.2
STANDARD ROLL IN TYPE
SHOWER COMPARTMENT
CONTROL LOCATION

FIGURE 608.5.1
TRANSFER TYPE SHOWER
COMPARTMENT CONTROL
LOCATION



(A) WITHOUT SEAT (B) WITH SEAT

FIGURE 608.3.2
GRAB BARS STANDARD
ROLL-IN TYPE SHOWERS

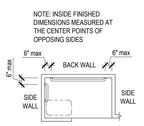


FIGURE 608.3.3
GRAB BARS FOR ALTERNATED
ROLL -IN
TYPE SHOWERS

FIGURE 608.3.1

GRAB BARS FOR
TRANSFER TYPE SHOWERS

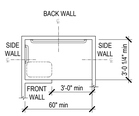


FIGURE 608.2.3
ALTERNATE ROLL IN TYPE
SHOWER COMPARTMENT SIZE
AND CLEARANCE

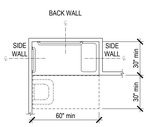


FIGURE 608.2.2
STANDARD ROLL IN TYPE
SHOWER COMPARTMENT
SIZE AND CLEARANCE

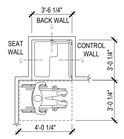


FIGURE 608.2.1
TRANSFER TYPE SHOWER
COMPARTMENT SIZE AND
CLEARANCE

608 SHOWER COMPARTMENT | 1/4" = 1'-0" | 1 | A-003.00

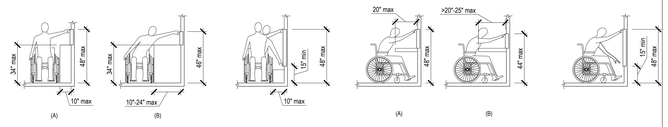


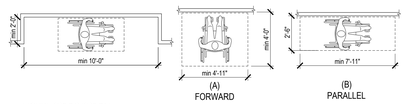
FIGURE 308.3.2
OBSTRUCTED HIGH SIDE REACH

FIGURE 308.3.1
UNOBSTRUCTED SIDE REACH

FIGURE 308.2.2
OBSTRUCTED HIGH FORWARD
REACH

FIGURE 308.2.1
UNOBSTRUCTED FORWARD
REACH

308 REACH RANGES | 1/4" = 1'-0" | 1 | A-003.00



(A) FORWARD (B) PARALLEL

FIGURE 305.7.2 (305.7A)
MANEUVERING CLEARANCE IN AN
ALCOVE, PARALLEL APPROACH

FIGURE 305.5 (305.5A,305.5B)
POSITION OF CLEAR FLOOR OR
GROUND SPACE

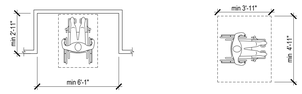


FIGURE 305.7.1 (305.7B)
MANEUVERING CLEARANCE IN AN
ALCOVE, FORWARD APPROACH

FIGURE 305.3
CLEAR FLOOR OR GROUND
SPACE

305 CLEAR FLOOR SPACE | 1/4" = 1'-0" | 3 | A-003.00

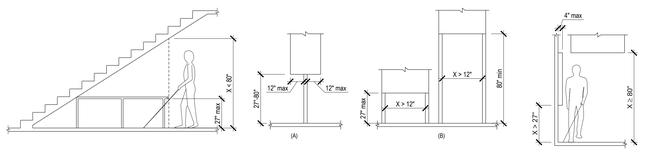


FIGURE 307.4
VERTICAL CLEARANCE

FIGURE 307.3
POST-MOUNTED PROTRUDING
OBJECTS

FIGURE 307.2
LIMITS OF PROTRUDING OBJECTS

307 PROTRUDING OBJECT | 1/4" = 1'-0" | 1 | A-003.00

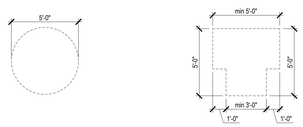


FIGURE 304.3.2 (304.3)
T-SHAPED TURNING SPACE

304 TURING SPACES | 1/4" = 1'-0" | 2 | A-003.00

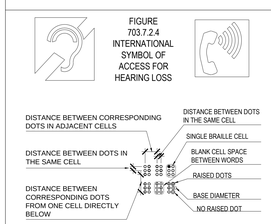


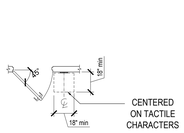
FIGURE 703.7.2.4
INTERNATIONAL
SYMBOL OF
ACCESS FOR
HEARING LOSS

FIGURE 703.7.2.3
VOLUME
CONTROL
TELEPHONE

FIGURE 703.7.2.2
INTERNATIONAL
SYMBOL OF
TTY

FIGURE 703.7.2.1
INTERNATIONAL
SYMBOL OF
ACCESSIBILITY

FIGURE 703.3.1
BRAILLE MEASUREMENT



CENTERED
ON TACTILE
CHARACTERS

FIGURE 704.4.2
LOCATION OF TACTILE SIGNS AT
DOORS

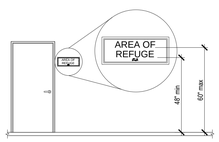


FIGURE 703.4.1
HEIGHT OF TACTILE CHARACTERS ABOVE
FINISH FLOOR GROUND

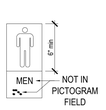


FIGURE 703.6.1
PICTOGRAM FIELD

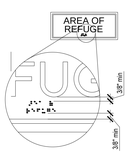


FIGURE 703.3.2
POSITION OF BRAILLE

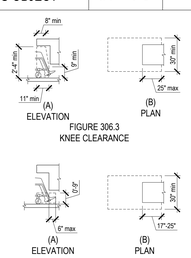
FIGURE 703.2.5
HEIGHT OF RAISED
CHARACTER

703 SIGNS | 1/4" = 1'-0" | 1 | A-003.00

FIGURE 302.3
ELONGATED OPENINGS IN FLOOR
OR GROUND SURFACES

FIGURE 302.2
CARPET PILE HEIGHT

302 FLOOR SURFACE | 1/4" = 1'-0" | 1 | A-003.00



(A) ELEVATION (B) PLAN

FIGURE 306.3
KNEE CLEARANCE

(A) ELEVATION (B) PLAN

FIGURE 306.2
TOE CLEARANCE

306 KNEE & TOE CLEARANCE | 1 | A-003.00

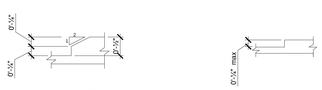
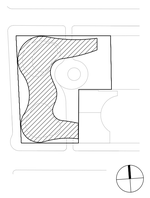


FIGURE 303.3
BEVELED CHANGE IN LEVEL

FIGURE 303.2
VERTICAL CHANGE IN LEVEL

303 CHANGES IN LEVEL | 1/4" = 1'-0" | 1 | A-003.00

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



KEY PLAN

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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

ADA COMPLIANCE

SCALE: N.T.S. PAGE: 6 OF 103

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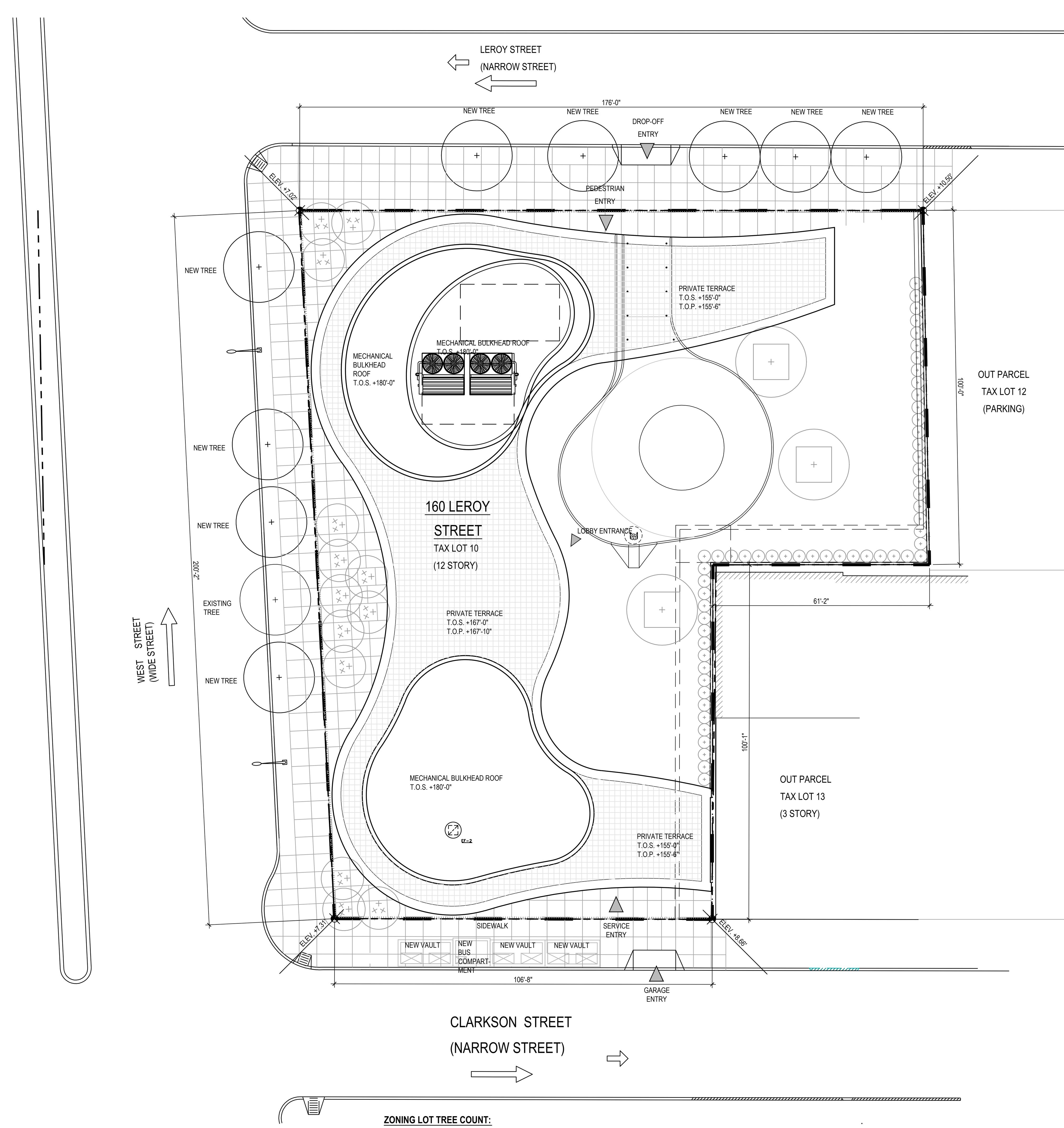


9 SITE PLAN
Z-100 SCALE: 1/16" = 1'-0"

ZONING LOT TREE COUNT:

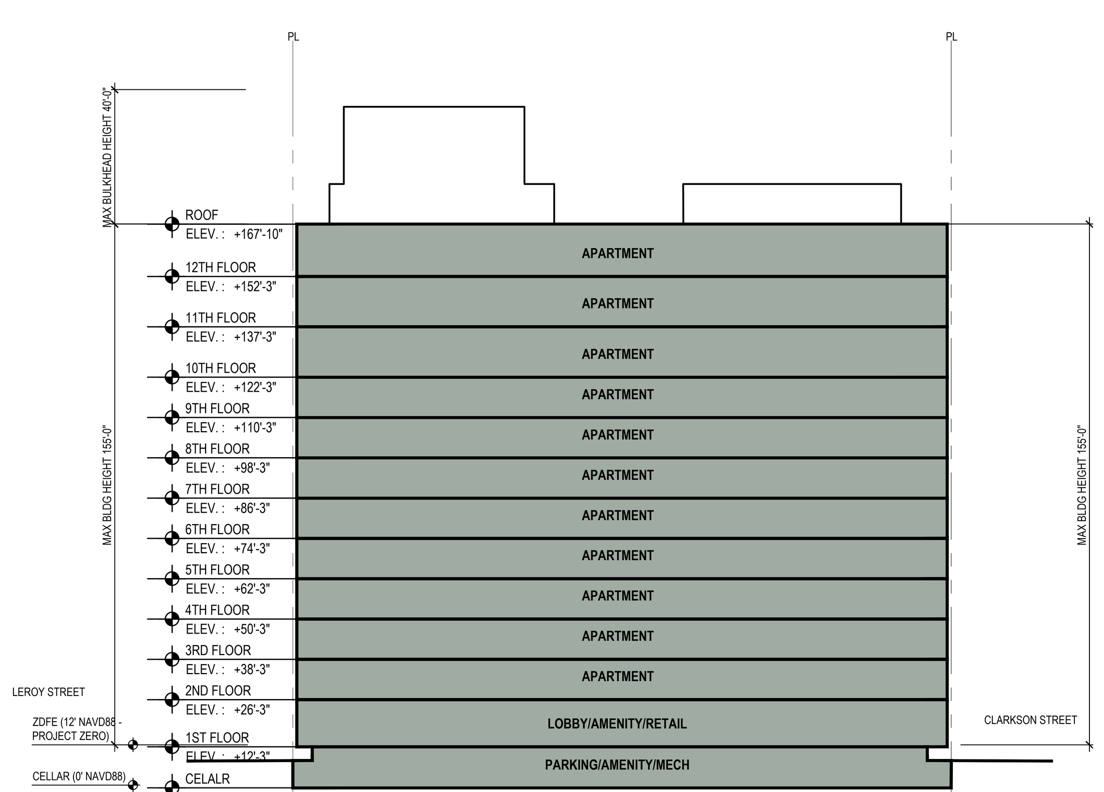
NUMBER OF REQUIRED TREES: 1 TREE EVERY 25'-0"
***NOTE WEST STREET IS UNDER NEW YORK STATE JURISDICTION AND THEREFORE NOT INCLUDED IN THE STREET TREE ZONING COUNT.*

STREET FRONTAGE:
LEROY STREET: 107 LF
CLARKSON STREET: 176 LF
TOTAL: 283 LF

NUMBER OF REQUIRED TREES: 11
NUMBER OF EXISTING TREES TO BE REMOVED:
LEROY STREET: 0 TREES
CLARKSON STREET: 0 TREES
TOTAL: 0 TREES

NUMBER OF PROPOSED TREES :
LEROY STREET: 5 TREES
CLARKSON STREET: 0 TREES
TOTAL: 5 TREES

TREE CALCULATION:
TOTAL NEW TREES: 5 TREES
TOTAL EXISTING TREES: 0 TREES
TOTAL PLANTED OFFSITE: 6 TREES
TOTAL PROPOSED: 11 TREES (COMPLIES)



3 BUILDING SECTION
Z-100 SCALE: 1/32" = 1'-0"

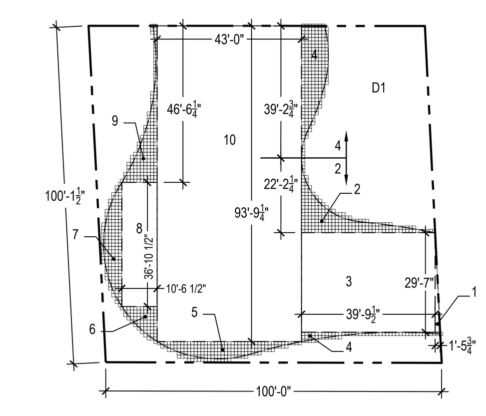
	1 BED	2 BED	3 BED	4 BED	5 BED	6 BED	7 BED	TOTAL
2ND	2	2	2	0	0	0	0	6
3RD	1	3	3	0	0	0	0	7
4TH	1	3	3	0	0	0	0	7
5TH	1	2	2	1	0	0	0	6
6TH	1	2	2	1	0	0	0	6
7TH	0	1	0	2	1	0	0	4
8TH	0	1	0	2	1	0	0	4
9TH	0	1	0	2	1	0	0	4
10TH	0	0	0	0	1	1	0	2
11TH	0	0	0	0	1	1	0	2
12TH	0	0	0	0	0	0	1	1
TOTAL	6	15	12	8	5	2	1	49

4 UNIT MIX
Z-100 SCALE: NTS

FLOOR:	GROSS ENCLOSED RESI FLOOR AREA:	QUALITY HOUSING DEDUCTIONS:	STAIR DEDUCTIONS:	MECHANICAL ZONING FLOOR AREA DEDUCTIONS:	ZONING FLOOR AREA:
ROOF	6,438 SF	0 SF	0 SF	6,438 SF	0 SF
12	13,251 SF	187 SF	64 SF	141 SF	12,858.23
11	13,251 SF	199 SF	64 SF	183 SF	12,804 SF
10	13,251 SF	199 SF	64 SF	183 SF	12,804 SF
9	13,251 SF	409 SF	64 SF	256 SF	12,521 SF
8	13,251 SF	409 SF	64 SF	256 SF	12,521 SF
7	13,251 SF	409 SF	64 SF	256 SF	12,521 SF
6	13,251 SF	640 SF	64 SF	202 SF	12,343 SF
5	13,251 SF	640 SF	64 SF	202 SF	12,343 SF
4	13,251 SF	703 SF	64 SF	167 SF	12,317 SF
3	13,251 SF	703 SF	64 SF	167 SF	12,317 SF
2	11,978 SF	657 SF	64 SF	136 SF	11,121 SF
1	10,653 SF	4,158 SF	79 SF	1,215 SF	5,202 SF
C	25,280 SF	0 SF	0 SF	0 SF	0 SF
TOTAL	186,856 SF	9,313 SF	788 SF	9,802 SF	141,672 SF

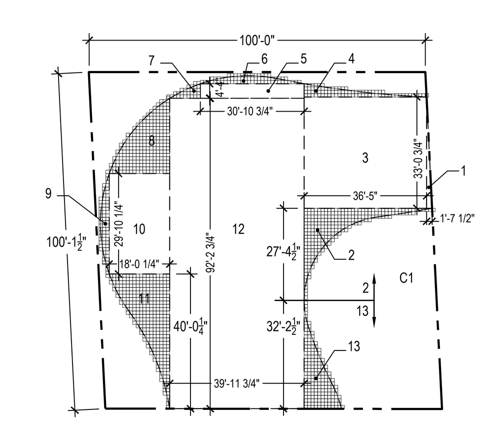
ZONING LOT FLOOR AREA		
	MAXIMUM PERMITTED WITH 5.0 FAR	141,808 SF
	SURPLUS (DEFICIT) ZONING FLOOR AREA	**136 SF**

2 FLOOR AREA CHART
Z-100 SCALE: NTS



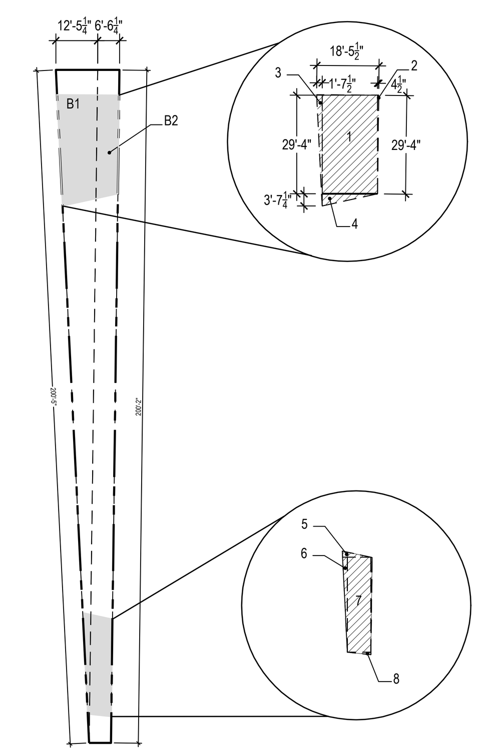
CORNER LOT - PORTION D		
LOT PORTION	LOT PORTION DIMENSION	LOT PORTION AREA
D1	100'-0"x 100'-1 1/2"	10,011SF
TOTAL		10,016
BUILDING PORTION	BUILDING PORTION DIMENSION	COVERAGE AREA
1	(1'-5¾" x 29'-7")/2	22 SF
2	REFER TO 1'X1' GRID	174 SF
3	39'-9½" x 29'-7"	1,178 SF
4	REFER TO 1'X1' GRID	28 SF
5	REFER TO 1'X1' GRID	135 SF
6	REFER TO 1'X1' GRID	63 SF
7	REFER TO 1'X1' GRID	136 SF
8	36'-10½" x 10'-6½"	388 SF
9	REFER TO 1'X1' GRID	137 SF
10	93'-9¼"x 43'-0"	4,031 SF
TOTAL		6,292 SF
62.85 % LOT COVERAGE		

8 LOT COVERAGE - PORTION D
Z-100 SCALE: 1/32" = 1'-0"



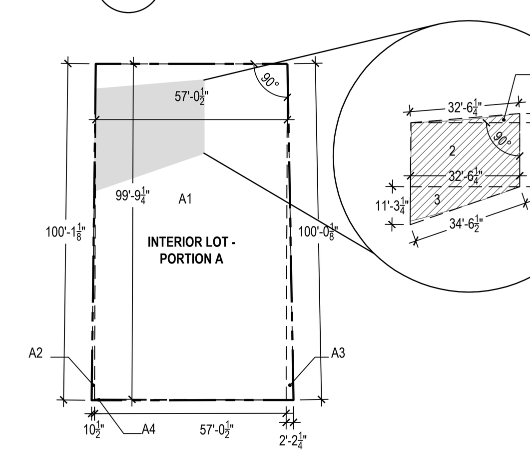
CORNER LOT - PORTION C		
LOT PORTION	LOT PORTION DIMENSION	LOT PORTION AREA
C1	100'-0"x 100'-1 1/2"	10,016 SF
TOTAL		10,016
BUILDING PORTION	BUILDING PORTION DIMENSION	COVERAGE AREA
1	(33'-0¾" x 1'-7½")/2	27 SF
2	REFER TO 1'X1' GRID	208 SF
3	33'-0¾" x 36'-5"	1,205 SF
4	REFER TO 1'X1' GRID	57 SF
5	30'-10¾" x 4'-4"	134 SF
6	REFER TO 1'X1' GRID	47 SF
7	REFER TO 1'X1' GRID	22 SF
8	REFER TO 1'X1' GRID	248 SF
9	REFER TO 1'X1' GRID	52 SF
10	29'-10¼" x 18'-0¼"	538 SF
11	REFER TO 1'X1' GRID	307 SF
12	92'-2¾" x 39'-11¾"	3,688 SF
13	REFER TO 1'X1' GRID	153 SF
TOTAL		6,686 SF
66.75 % LOT COVERAGE		

7 LOT COVERAGE - PORTION C
Z-100 SCALE: 1/32" = 1'-0"



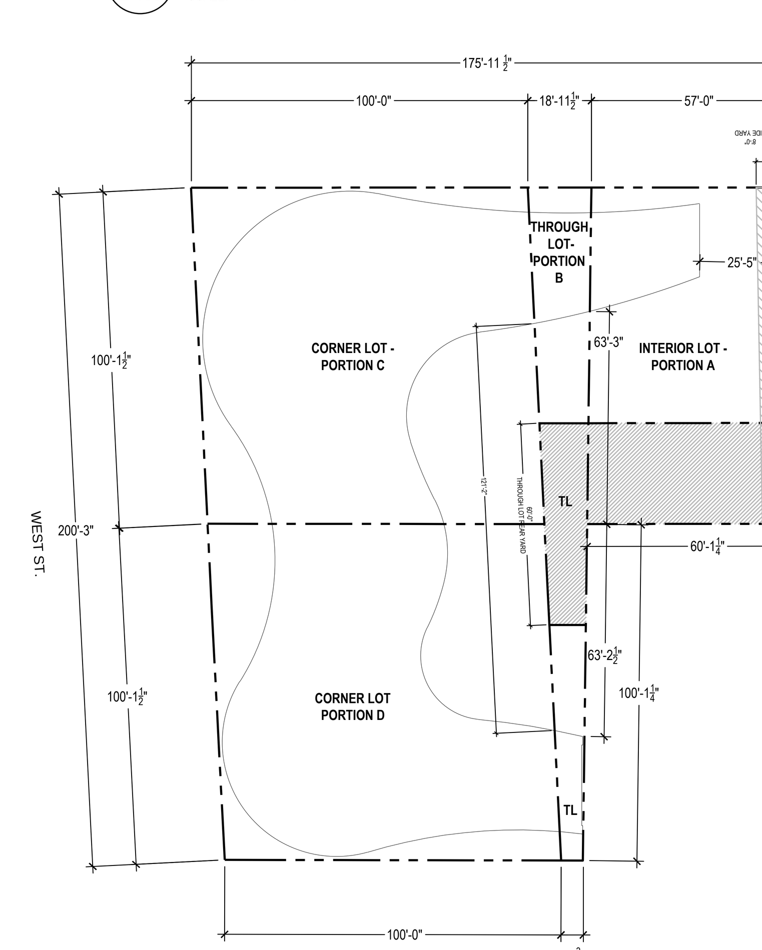
THROUGH LOT - PORTION C		
LOT PORTION	LOT PORTION DIMENSION	LOT PORTION AREA
B1	(57'-1/2"x99'-9 1/4")	1,244 SF
B2	(0'-10 1/2"x100'-1 1/8")/2	1,296 SF
TOTAL		2,540 SF
BUILDING PORTION	BUILDING PORTION DIMENSION	COVERAGE AREA
1	(57'-1/2"x99'-9 1/4")	482 SF
2	(57'-1/2"x99'-9 1/4")	1 SF
3	(57'-1/2"x99'-9 1/4")	27 SF
4	(57'-1/2"x99'-9 1/4")	30 SF
5	(57'-1/2"x99'-9 1/4")	8 SF
6	(57'-1/2"x99'-9 1/4")	20 SF
7	(57'-1/2"x99'-9 1/4")	198 SF
8	(57'-1/2"x99'-9 1/4")	3 SF
TOTAL		796 SF
31.3 % LOT COVERAGE		

6 LOT COVERAGE - PORTION B
Z-100 SCALE: 1/32" = 1'-0"

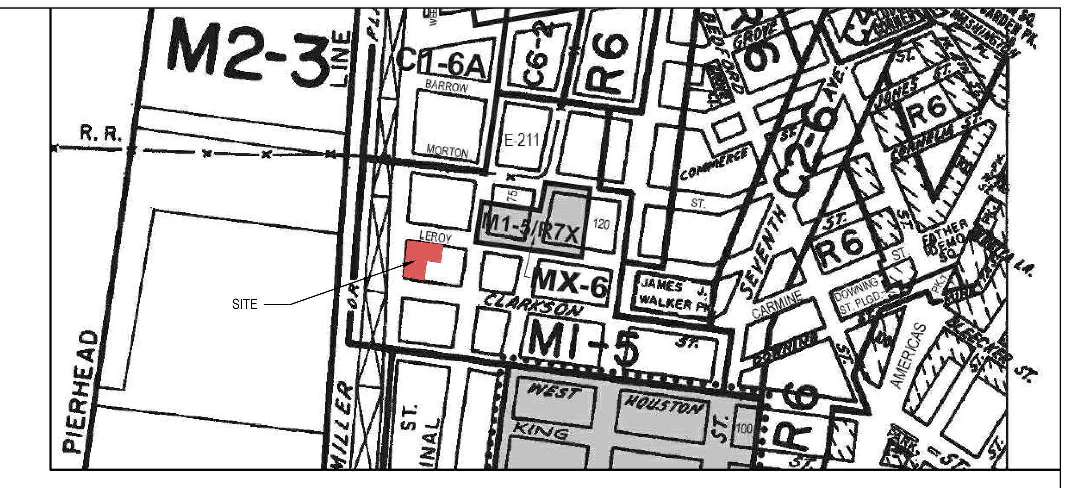


INTERIOR LOT - PORTION A		
LOT PORTION	LOT PORTION DIMENSION	LOT PORTION AREA
A1	(57'-1/2"x99'-9 1/4")	5,698 SF
A2	(0'-10 1/2"x100'-1 1/8")/2	43 SF
A3	(2-2 1/4"x100'-0 1/8")/2	110 SF
A4	(57'-0½" X 3")	9 SF
TOTAL		5,860 SF
BUILDING PORTION	BUILDING PORTION DIMENSION	COVERAGE AREA
1	(57'-1/2"x99'-9 1/4")	44 SF
2	(57'-1/2"x99'-9 1/4")	618 SF
3	(57'-1/2"x99'-9 1/4")	183 SF
TOTAL		846 SF
14.4% LOT COVERAGE		

5 LOT COVERAGE - PORTION A
Z-100 SCALE: 1/32" = 1'-0"



1 YARD REGULATION DIAGRAM
Z-100 SCALE: 1/32" = 1'-0"



REFER TO BSA CASE 192-13-BZ. CEQR #13 - BSA - 163M.

A TRUE COPY OF THE RESOLUTION BY THE BOARD OF STANDARDS AND APPEALS, MARCH 11, 2014. PRINTED IN BULLETIN NO. 11, VOL. 99.

ZONING ANALYSIS

1. GENERAL

PROJECT: 160 LEROY STREET
NEW YORK, NY
BLOCK: 601
LOT: 10

ZONING DISTRICT: R7X (AS COMPARISON - CURRENT DISTRICT IS M1-5)
**REFER TO BSA CASE 192-13-BZ. CEQR #13-BSA-163M
**A TRUE COPY OF THE RESOLUTION BY THE BOARD OF STANDARDS & APPEALS, MARCH 11, 2014. PRINTED IN BULLETIN NO. 11, VOL. 99.

ZONING MAP: 12A
COMMUNITY BOARD: MANHATTAN 2
LOT AREA: 28,361.66 SF (AS PER NY LAND SURVEYOR, PC MARCH 23, 2013 - AMENDED DECEMBER 22, 2014)

2. USE REGULATION

22-10 PERMITTED USES: 1-4
PROPOSED USE: 2

3. FLOOR AREA REGULATION

23-145 RESIDENTIAL FAR 5.00
RESIDENTIAL FLOOR AREA: 5.00 X 28,361.66 =141,808.3 SF

PROPOSED FAR 5.00
PROPOSED FLOOR AREA: 141,808.3 SF

4. BULK PARAMETERS AS PER BSA CASE 192-13-BZ

192-13-BZ THE APPLICANT ASSERTS THAT THE CURRENT CONDITION OF THE ZONING LOT LACKS COHESIVENESS AND IS NOT REFLECTIVE OF THE CONTEXT OF THE SURROUNDING AREA; AND WHEREAS, AS TO THE BUILDING FORM, THE APPLICANT NOTES THAT THE PROPOSED 12 STORY BUILDING WILL HAVE A HEIGHT OF APPROXIMATELY 155' WITH A CURVILINEAR FACADE, OCCUPYING THE FULL WEST STREET BLOCK FRONT AND EXTENDING DOWN LEROY STREET AND CLARKSON STREET; AND WHEREAS THE APPLICANT STATES THAT THE DESIGN WITH ITS UNDULATING WALL WITHOUT A SETBACK IS INTENDED TO HELP ACTIVATE THE STREET LEVEL OF THE BUILDING AND ENGAGE WITH THE SIDEWALK.

192-13-BZ MAXIMUM BUILDING HEIGHT: 155'-0"
PROPOSED BUILDING HEIGHT: 155'-0" (COMPLIES)

5. LOT COVERAGE REGULATION

LOT COVERAGE: 80% (CORNER LOT), 65% (INTERIOR OR THROUGH LOTS)

REQUIRED LOT A COVERAGE: 65%
PROPOSED LOT A COVERAGE: 14.4% (COMPLIES)

REQUIRED LOT B COVERAGE: 65%
PROPOSED LOT B COVERAGE: 31.3% (COMPLIES)

REQUIRED LOT C COVERAGE: 80%
PROPOSED LOT C COVERAGE: 66.75% (COMPLIES)

REQUIRED LOT D COVERAGE: 80%
PROPOSED LOT D COVERAGE: 62.85% (COMPLIES)

6. YARD REGULATION

23-40 YARD REGULATIONS
23-462 SIDE YARD: NOT REQUIRED, IF PROVIDED MINIMUM 8'
23-47 REAR YARD: INTERIOR LOTS 30'
THROUGH LOTS 60'
CORNER LOTS NO REQUIREMENT

REQUIRED SIDE YARD FOR INTERIOR LOT A: NOT REQUIRED, IF PROVIDED MINIMUM 8'
PROPOSED SIDE YARD FOR INTERIOR LOT A: 25'-5" SIDE YARD (COMPLIES)

REQUIRED REAR YARD FOR INTERIOR LOT A: 30'-0" REAR YARD
PROPOSED REAR YARD FOR INTERIOR LOT A: 63'-3" REAR YARD (COMPLIES)

REQUIRED REAR YARD FOR THROUGH LOT B: 60'-0" REAR YARD
PROPOSED REAR YARD FOR THROUGH LOT B: 121'-2" REAR YARD (COMPLIES)

7. PARKING REQUIREMENT AS PER BSA CASE 192-13-BZ

192-13-BZ A MAXIMUM OF 12 ACCESSORY PARKING SPACES

MAX ALLOWED: 12 PARKING SPACES
PROPOSED: 12 PARKING SPACES (COMPLIES)

7. BIKE PARKING REGULATION

25-80 BICYCLE PARKING: 1 PER 2 DU

REQUIRED: 25 SPACES (49 DWELLING UNITS / 2 = 25 BIKE PARKING SPACES)
PROPOSED 25 SPACES ON GROUND FLOOR
38 SPACES IN CELLAR
63 SPACE TOTAL (COMPLIES)

8. QUALITY HOUSING

28-01 QUALITY HOUSING PROGRAM QH APPLIES TO R7X

28-21 SIZE OF DWELLING UNITS 400 SF MIN
PROVIDED: 886 SF (PROVIDED MINIMUM DWELLING UNIT SIZE)

28-22 WINDOWS MUST BE DOUBLE GLAZED

28-23 REFUSE STORAGE AND DISPOSAL TO BE ENCLOSED, 2.9 CF PER DU, 12 SF MIN PER FLOOR

REQUIRED: 142.1 CF (49 DWELLING UNITS X 2.9 = 142.1)
PROVIDED: 114 CF (SOUTH REFUSE ROOM)
78 CF (NORTH REFUSE ROOM)
192 CF TOTAL (COMPLIES)

REQUIRED: 12 SF MIN PER FLOORS
PROVIDED: **39 SF (SOUTH REFUSE ROOM)**
39 SF (NORTH REFUSE ROOM)
78 SF TOTAL (COMPLIES)

28-24 LAUNDRY FACILITIES CAN BE DEDUCTED FROM ZFA IF COMPLIANT WITH MINIMUM REQUIREMENTS (1 WASHER PER 20 DU, 1DRYER PER 40 DU, 3 SF OF UNOBSTRUCTED SPACE, CHAIRS, TABLES FOR FOLDING, WINDOWS MEASURING AT LEAST 9.5% OF FLOOR SPACE)

PROVIDED 2 WASHERS & 2 DRYERS IN CELLAR LAUNDRY FACILITY. 1 WASHER & 1 DRYER PROVIDED FOR EVERY DWELLING UNIT. (COMPLIES)

28-25 DAYLIGHT IN CORRIDORS 50% CAN BE DEDUCTED FROM ZFA IF A WINDOW OF AT LEAST 20 SF IS PROVIDED AND IS VISIBLE FROM 50% OF THE CORRIDOR OR FROM CORE.

28-32 STANDARDS FOR RECREATION ALL RECREATION SPACE SHALL BE ACCESSIBLE TO THE RESIDENTS, MIN OUTDOOR SPACE IS 225 SF, INDOOR 300 SF WITH 15' MIN SPACE DIMENSION. INDOOR SPACE MUST HAVE WINDOWS MEASURING AT LEAST 9.5% OF FLOOR AREA.

REQUIRED INDOOR REC SPACE: 300 SF
PROVIDED INDOOR REC SPACE: 3,961.01 SF (COMPLIES)

REQUIRED OUTDOOR REC: 225 SF
PROVIDED OUTDOOR REC: 3,778.89 (COMPLIES)

28-31 REQUIRED RECREATION SPACE 3.3% OF TOTAL RESIDENTIAL FLOOR AREA

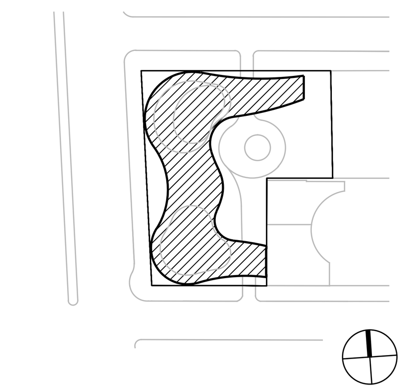
REQUIRED: 5,393.7 SF (163,444 SF X 3.3% = 5,393.7 SF)

PROVIDED 7,739.9 SF (COMPLIES)
1,142.42 SF (LOUNGE) + 2,395.65 SF (POOL) + 422.94 SF (CHILDREN'S ROOM) + 3,778.89 SF (OUTDOOR GARDEN) = 7,739.9 SF TOTAL RECREATION SPACE

28-33 PLANTING AREAS PLANTING IS REQUIRED BETWEEN STREET LINE AND STREET WALL

28-41 DENSITY PER CORRIDOR 50% CAN BE DEDUCTED FROM ZFA IF LESS THAN 11 DU PER FLOOR

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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PROJECT TITLE:
160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9
DOB NO.: 121330611

DRAWING TITLE:
ZONING ANALYSIS

SCALE: NTS PAGE: 7 OF 103

Z100.00

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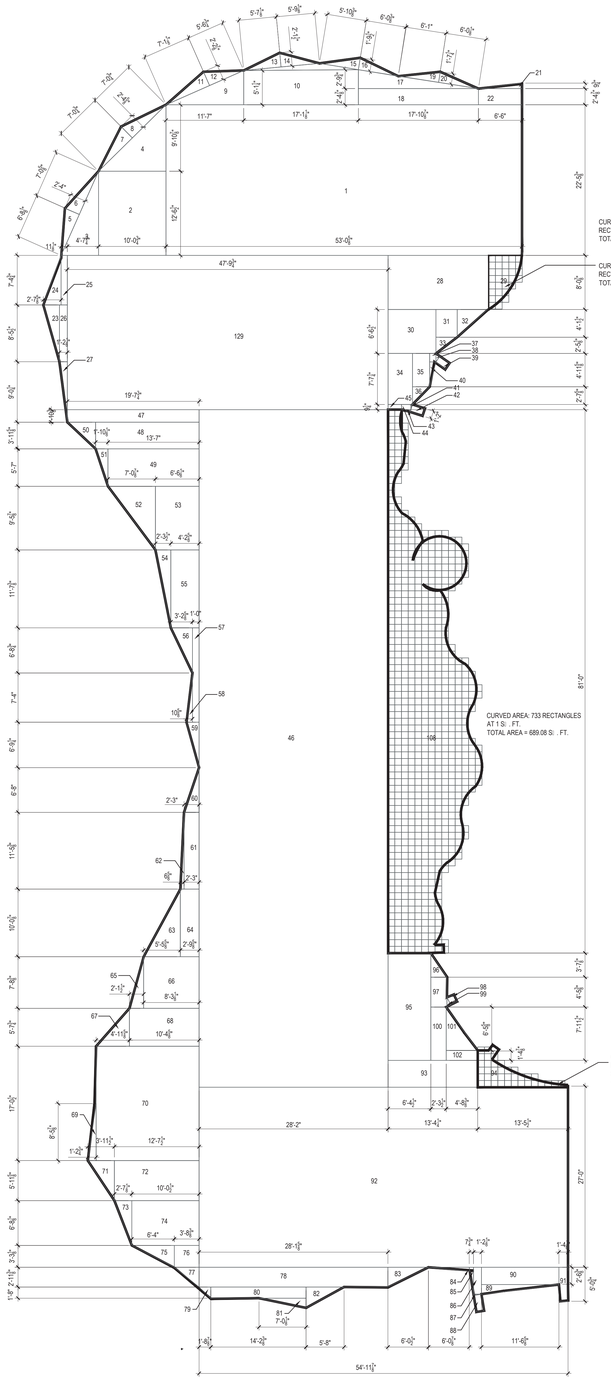
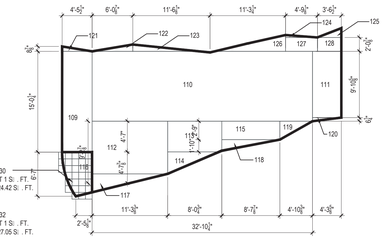




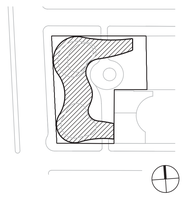
GROSS FLOOR AREA-RESIDENTIAL	
FLOOR AREA PARCELS	PARCEL AREA
1	1191.53 SI. . FT.
2	126.18 SI. . FT.
3	34.98 SI. . FT.
4	49.83 SI. . FT.
5	7.77 SI. . FT.
6	8.21 SI. . FT.
7	8.44 SI. . FT.
8	8.41 SI. . FT.
9	29.57 SI. . FT.
10	96.73 SI. . FT.
11	7.96 SI. . FT.
12	6.24 SI. . FT.
13	5.94 SI. . FT.
14	6.11 SI. . FT.
15	5.27 SI. . FT.
16	5.41 SI. . FT.
17	25.22 SI. . FT.
18	43.15 SI. . FT.
19	4.88 SI. . FT.
20	4.83 SI. . FT.
21	2.63 SI. . FT.
22	15.66 SI. . FT.
23	10.11 SI. . FT.
24	9.76 SI. . FT.
25	6.89 SI. . FT.
26	9.97 SI. . FT.
27	5.32 SI. . FT.
28	121.14 SI. . FT.
29	27.05 SI. . FT.
30	46.70 SI. . FT.
31	13.06 SI. . FT.
32	9.28 SI. . FT.
33	3.84 SI. . FT.
34	27.65 SI. . FT.
35	12.74 SI. . FT.
36	3.38 SI. . FT.
37	1.17 SI. . FT.
38	0.37 SI. . FT.
39	2.01 SI. . FT.
40	1.74 SI. . FT.
41	0.10 SI. . FT.
42	2.27 SI. . FT.
43	0.23 SI. . FT.
44	0.23 SI. . FT.
45	1.55 SI. . FT.
46	2845.18 SI. . FT.
47	36.67 SI. . FT.
48	61.24 SI. . FT.
49	75.92 SI. . FT.
50	8.36 SI. . FT.
51	5.15 SI. . FT.
52	33.57 SI. . FT.
53	61.75 SI. . FT.
54	13.33 SI. . FT.
55	48.93 SI. . FT.
56	10.83 SI. . FT.
57	13.99 SI. . FT.
58	3.24 SI. . FT.
59	6.36 SI. . FT.
60	7.49 SI. . FT.
61	25.71 SI. . FT.
62	3.16 SI. . FT.
63	27.54 SI. . FT.
64	28.20 SI. . FT.
65	8.17 SI. . FT.
66	63.64 SI. . FT.
67	14.04 SI. . FT.
68	58.68 SI. . FT.
69	5.23 SI. . FT.
70	261.72 SI. . FT.
71	11.82 SI. . FT.
72	75.32 SI. . FT.
73	8.64 SI. . FT.
74	67.02 SI. . FT.
75	10.32 SI. . FT.
76	12.06 SI. . FT.
77	5.45 SI. . FT.
78	82.87 SI. . FT.
79	1.45 SI. . FT.
80	23.64 SI. . FT.
81	5.06 SI. . FT.
82	8.81 SI. . FT.
83	8.93 SI. . FT.
84	1.74 SI. . FT.
85	1.29 SI. . FT.
86	4.74 SI. . FT.
87	0.11 SI. . FT.
88	2.92 SI. . FT.
89	8.33 SI. . FT.
90	29.65 SI. . FT.
91	6.82 SI. . FT.
92	1475.60 SI. . FT.
93	53.46 SI. . FT.
94	31.86 SI. . FT.
95	101.94 SI. . FT.
96	4.31 SI. . FT.
97	10.67 SI. . FT.
98	1.35 SI. . FT.
99	0.41 SI. . FT.
100	18.24 SI. . FT.
101	15.19 SI. . FT.
102	6.96 SI. . FT.
103	13.37 SI. . FT.
104	291.11 SI. . FT.
105	2.92 SI. . FT.
106	1.97 SI. . FT.
107	3.60 SI. . FT.
108	689.08 SI. . FT.
129	1099.67 SI. . FT.
RESI TOTAL	9938.32 SI. . FT.

GROSS FLOOR AREA-RETAIL	
FLOOR AREA PARCELS	PARCEL AREA
109	67.08 SI. . FT.
110	342.01 SI. . FT.
111	42.53 SI. . FT.
112	88.54 SI. . FT.
113	36.95 SI. . FT.
114	13.18 SI. . FT.
115	23.78 SI. . FT.
116	24.42 SI. . FT.
117	15.51 SI. . FT.
118	7.94 SI. . FT.
119	6.68 SI. . FT.
120	1.13 SI. . FT.
121	1.64 SI. . FT.
122	3.22 SI. . FT.
123	6.11 SI. . FT.
124	0.86 SI. . FT.
125	2.46 SI. . FT.
126	13.72 SI. . FT.
127	9.86 SI. . FT.
128	7.34 SI. . FT.
RETAIL TOTAL	714.96 SI. . FT.

GROSS FLOOR AREA	
RESIDENTIAL TOTAL	9938.32 SI. . FT.
RETAIL TOTAL	714.96 SI. . FT.
GROUND FLOOR TOTAL	10653.28 SI. . FT.

1 / Z-101 GROUND FLOOR GROSS FLOOR AREA CALCULATIONS
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

GROUND FLOOR ZONING AREA CALCULATIONS

SCALE: 1/8"=1'-0" PAGE: 8 OF 103

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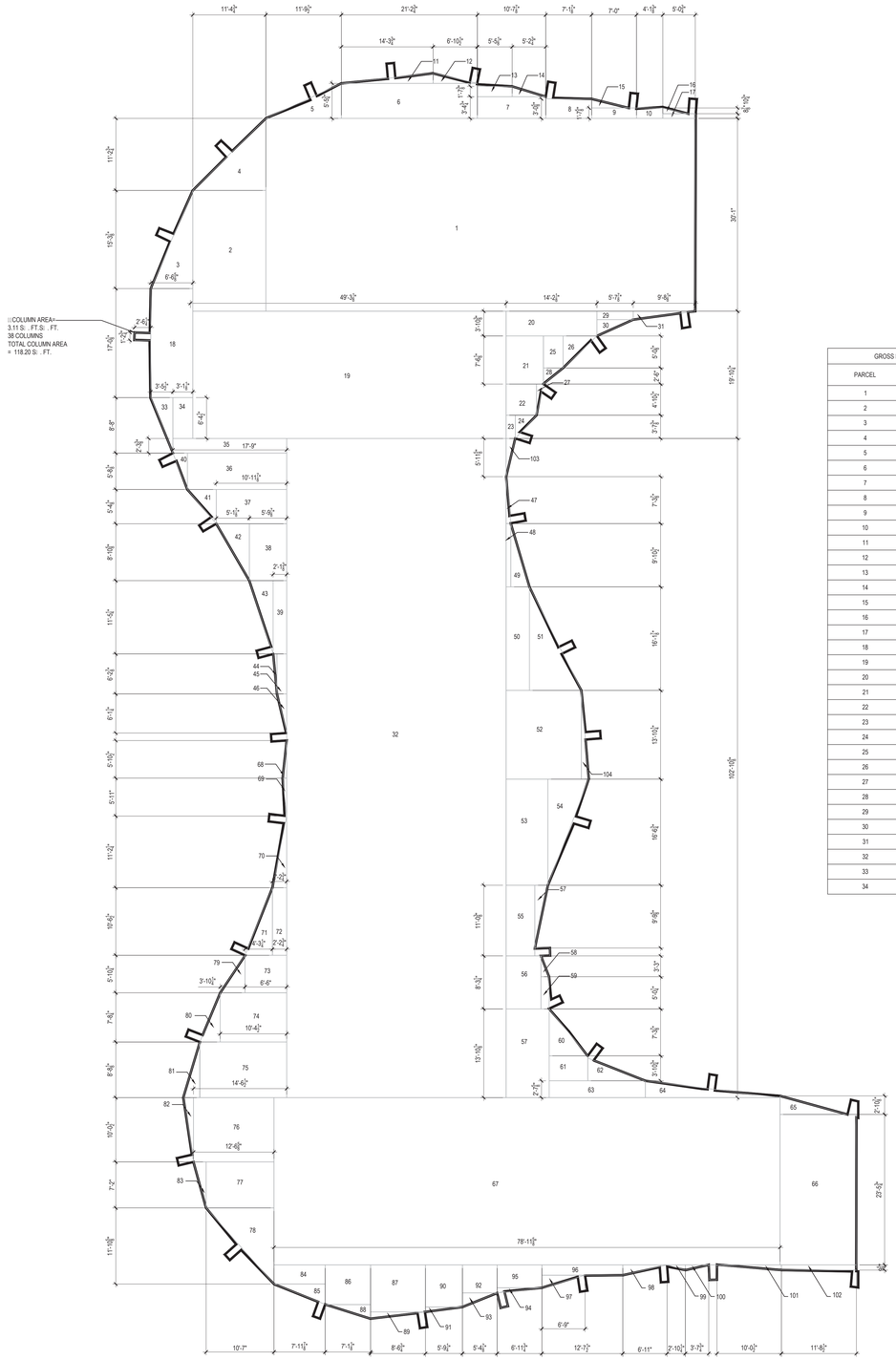


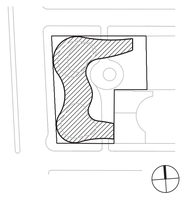
GROSS FLOOR AREA	
PARCEL	PARCEL AREA
1	2016.29 Sq. FT.
2	214.98 Sq. FT.
3	50.21 Sq. FT.
4	64.01 Sq. FT.
5	32.31 Sq. FT.
6	116.29 Sq. FT.
7	36.19 Sq. FT.
8	21.86 Sq. FT.
9	11.43 Sq. FT.
10	6.71 Sq. FT.
11	11.20 Sq. FT.
12	5.41 Sq. FT.
13	8.74 Sq. FT.
14	4.21 Sq. FT.
15	4.13 Sq. FT.
16	1.77 Sq. FT.
17	3.73 Sq. FT.
18	111.46 Sq. FT.
19	971.07 Sq. FT.
20	54.75 Sq. FT.
21	43.71 Sq. FT.
22	23.13 Sq. FT.
23	5.19 Sq. FT.
24	6.00 Sq. FT.
25	15.34 Sq. FT.
26	13.23 Sq. FT.
27	2.62 Sq. FT.
28	3.83 Sq. FT.
29	7.47 Sq. FT.
30	7.19 Sq. FT.
31	6.39 Sq. FT.
32	3523.33 Sq. FT.
33	14.98 Sq. FT.
34	19.74 Sq. FT.

35	40.57 Sq. FT.
36	88.02 Sq. FT.
37	58.71 Sq. FT.
38	51.74 Sq. FT.
39	24.20 Sq. FT.
40	6.40 Sq. FT.
41	12.05 Sq. FT.
42	22.92 Sq. FT.
43	21.20 Sq. FT.
44	1.88 Sq. FT.
45	9.45 Sq. FT.
46	4.63 Sq. FT.
47	2.68 Sq. FT.
48	7.29 Sq. FT.
49	14.34 Sq. FT.
50	58.82 Sq. FT.
51	65.49 Sq. FT.
52	162.78 Sq. FT.
53	108.02 Sq. FT.
54	52.71 Sq. FT.
55	49.45 Sq. FT.
56	44.96 Sq. FT.
57	93.10 Sq. FT.
58	2.07 Sq. FT.
59	6.38 Sq. FT.
60	22.03 Sq. FT.
61	23.43 Sq. FT.
62	15.93 Sq. FT.
63	39.52 Sq. FT.
64	27.65 Sq. FT.
65	15.18 Sq. FT.
66	279.79 Sq. FT.
67	2061.29 Sq. FT.
68	1.84 Sq. FT.
69	1.84 Sq. FT.
70	12.46 Sq. FT.

71	22.53 Sq. FT.
72	23.49 Sq. FT.
73	38.10 Sq. FT.
74	79.67 Sq. FT.
75	117.68 Sq. FT.
76	126.04 Sq. FT.
77	75.88 Sq. FT.
78	62.92 Sq. FT.
79	11.33 Sq. FT.
80	12.23 Sq. FT.
81	11.18 Sq. FT.
82	7.98 Sq. FT.
83	7.05 Sq. FT.
84	23.87 Sq. FT.
85	12.67 Sq. FT.
86	43.90 Sq. FT.
87	62.90 Sq. FT.
88	7.74 Sq. FT.
89	4.48 Sq. FT.
90	37.90 Sq. FT.
91	2.23 Sq. FT.
92	23.65 Sq. FT.
93	5.94 Sq. FT.
94	2.79 Sq. FT.
95	24.93 Sq. FT.
96	20.27 Sq. FT.
97	6.63 Sq. FT.
98	5.55 Sq. FT.
99	1.15 Sq. FT.
100	1.47 Sq. FT.
101	4.03 Sq. FT.
102	9.41 Sq. FT.
103	4.28 Sq. FT.
104	7.91 Sq. FT.
COLUMN AREA (38)	118.20 Sq. FT.
TOTAL	11977.69 Sq. FT.

1 / Z-102 SECOND FLOOR GROSS FLOOR AREA CALCULATION
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

SECOND FLOOR ZONING AREA CALCULATIONS

SCALE: 1/8"=1'-0" PAGE: 9 OF 103

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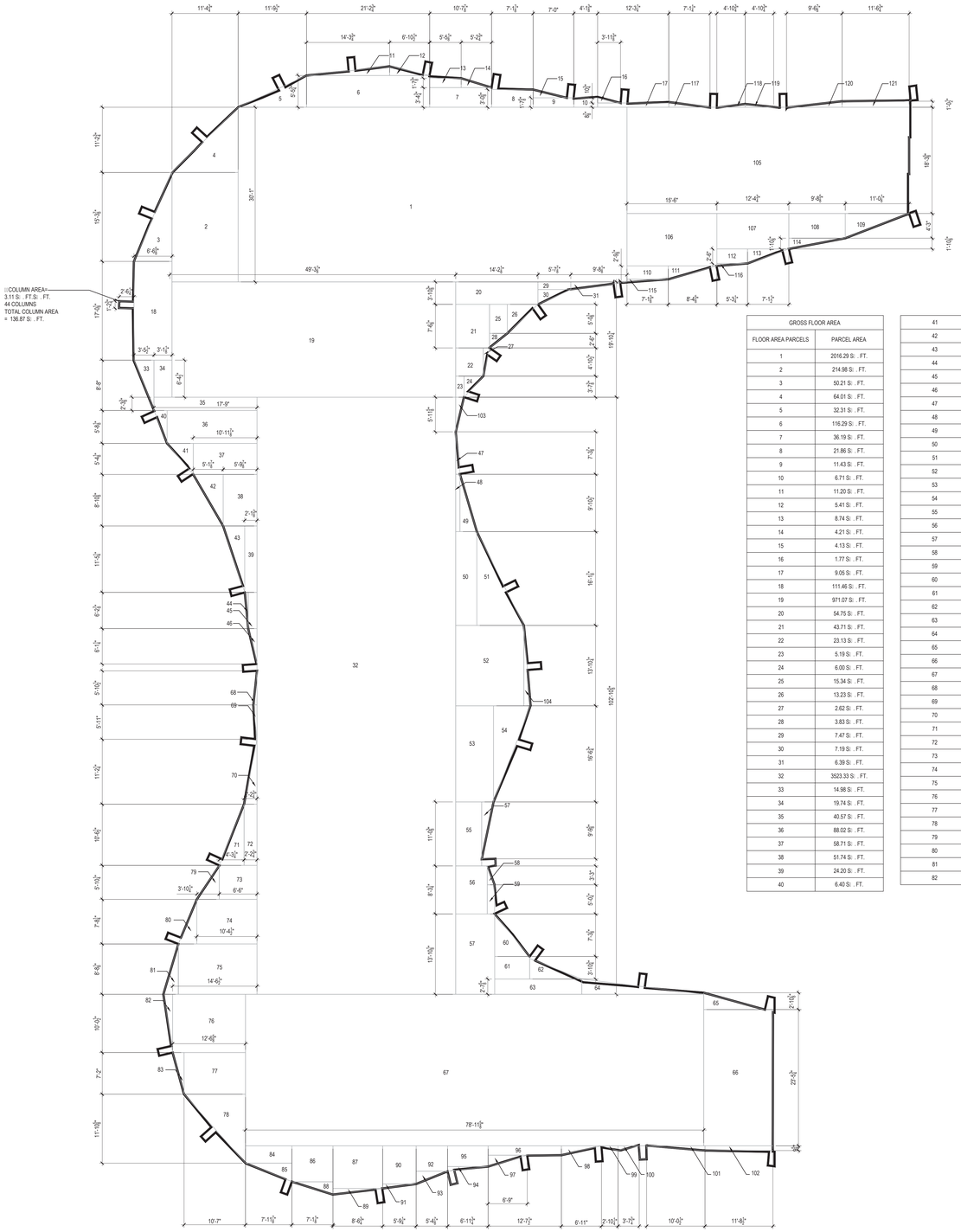
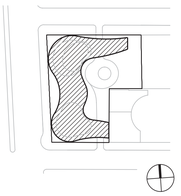


GROSS FLOOR AREA	
FLOOR AREA PARCELS	PARCEL AREA
1	2016.29 SF. . FT.
2	214.98 SF. . FT.
3	50.21 SF. . FT.
4	64.01 SF. . FT.
5	32.31 SF. . FT.
6	116.29 SF. . FT.
7	36.19 SF. . FT.
8	21.86 SF. . FT.
9	11.43 SF. . FT.
10	6.71 SF. . FT.
11	11.20 SF. . FT.
12	5.41 SF. . FT.
13	8.74 SF. . FT.
14	4.21 SF. . FT.
15	4.13 SF. . FT.
16	1.77 SF. . FT.
17	9.05 SF. . FT.
18	111.46 SF. . FT.
19	971.07 SF. . FT.
20	54.75 SF. . FT.
21	43.71 SF. . FT.
22	23.13 SF. . FT.
23	5.19 SF. . FT.
24	6.00 SF. . FT.
25	15.34 SF. . FT.
26	13.23 SF. . FT.
27	2.62 SF. . FT.
28	3.83 SF. . FT.
29	7.47 SF. . FT.
30	7.19 SF. . FT.
31	6.39 SF. . FT.
32	3523.33 SF. . FT.
33	14.98 SF. . FT.
34	19.74 SF. . FT.
35	40.57 SF. . FT.
36	88.02 SF. . FT.
37	58.71 SF. . FT.
38	51.74 SF. . FT.
39	24.20 SF. . FT.
40	6.40 SF. . FT.
41	12.05 SF. . FT.
42	22.92 SF. . FT.
43	21.20 SF. . FT.
44	1.88 SF. . FT.
45	9.45 SF. . FT.
46	4.63 SF. . FT.
47	2.68 SF. . FT.
48	7.29 SF. . FT.
49	14.34 SF. . FT.
50	58.82 SF. . FT.
51	65.49 SF. . FT.
52	162.78 SF. . FT.
53	108.02 SF. . FT.
54	52.71 SF. . FT.
55	49.45 SF. . FT.
56	44.96 SF. . FT.
57	93.10 SF. . FT.
58	2.07 SF. . FT.
59	6.38 SF. . FT.
60	22.03 SF. . FT.
61	23.43 SF. . FT.
62	15.93 SF. . FT.
63	39.52 SF. . FT.
64	27.65 SF. . FT.
65	15.18 SF. . FT.
66	279.79 SF. . FT.
67	2061.29 SF. . FT.
68	1.84 SF. . FT.
69	1.84 SF. . FT.
70	12.46 SF. . FT.
71	22.53 SF. . FT.
72	23.49 SF. . FT.
73	38.10 SF. . FT.
74	79.67 SF. . FT.
75	117.68 SF. . FT.
76	126.04 SF. . FT.
77	75.88 SF. . FT.
78	62.92 SF. . FT.
79	11.33 SF. . FT.
80	12.23 SF. . FT.
81	11.18 SF. . FT.
82	7.98 SF. . FT.
83	7.05 SF. . FT.
84	23.87 SF. . FT.
85	12.67 SF. . FT.
86	43.90 SF. . FT.
87	62.90 SF. . FT.
88	7.74 SF. . FT.
89	4.48 SF. . FT.
90	37.90 SF. . FT.
91	2.23 SF. . FT.
92	23.65 SF. . FT.
93	5.94 SF. . FT.
94	2.79 SF. . FT.
95	24.93 SF. . FT.
96	20.27 SF. . FT.
97	6.63 SF. . FT.
98	5.55 SF. . FT.
99	1.15 SF. . FT.
100	1.47 SF. . FT.
101	4.03 SF. . FT.
102	9.41 SF. . FT.
103	4.28 SF. . FT.
104	7.91 SF. . FT.
105	890.15 SF. . FT.
106	139.92 SF. . FT.
107	75.58 SF. . FT.
108	41.36 SF. . FT.
109	23.41 SF. . FT.
110	16.39 SF. . FT.
111	9.65 SF. . FT.
112	8.91 SF. . FT.
113	8.91 SF. . FT.
114	8.97 SF. . FT.
115	1.63 SF. . FT.
116	1.12 SF. . FT.
117	3.23 SF. . FT.
118	1.40 SF. . FT.
119	1.40 SF. . FT.
120	4.98 SF. . FT.
121	12.03 SF. . FT.
COLUMN AREA (44)	136.87 SF. . FT.
TOTAL	13250.68 SF. . FT.

1 Z-103 TYPICAL FLOOR ZONING AREA CALCULATION
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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DOB NO.: 121330611

DRAWING TITLE:

TYPICAL FLOOR ZONING AREA CALCULATIONS

SCALE: 1/8"=1'-0" PAGE: 10 OF 103

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1 A-104 GROUND FLOOR ZONING DEDUCTIONS
SCALE: 1/8" = 1'-0"

1ST FLOOR MEP DEDUCTIONS		
1	MEP1	4.48 SI. . FT.
2	MEP2	357.20 SI. . FT.
3	MEP3	12.32 SI. . FT.
4	MEP4	19.69 SI. . FT.
5	MEP5	36.82 SI. . FT.
6	MEP6	697.86 SI. . FT.
7	MEP7	86.35 SI. . FT.
	MEP DEDUCTIONS	1214.72 SI. . FT.

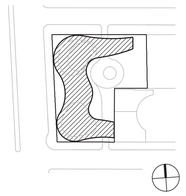
1ST FLOOR DEDUCTIONS		
1	A1 (LOUNGE) ⊥ H	1127.34 SI. . FT.
2	A2 (POOL) ⊥ H	2386.64 SI. . FT.
3	A3 (CHILDRENS RM) ⊥ H	422.94 SI. . FT.
4	A4 (BIKE STORAGE)	220.80 SI. . FT.
	DEDUCTIONS	4157.72 SI. . FT.

1ST FLOOR STAIR DEDUCTIONS		
5	S1 (STAIR)	21.50 SI. . FT.
6	S2 (STAIR)	23.43 SI. . FT.
7	S3 (STAIR)	19.75 SI. . FT.
8	S4 (STAIR)	14.33 SI. . FT.
	DEDUCTIONS	79.02 SI. . FT.

TOTAL MECH DEDUCTIONS		
1	MECH	1214.72 SI. . FT.

1ST FLOOR ZFA		
1	GROSS AREA	10653.28 SI. . FT.
2	TOTAL DEDUCTIONS	5451.45 SI. . FT.
	1ST FL. ZFA	5201.83 SI. . FT.

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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DRAWING TITLE:

1ST FLOOR ZONING DEDUCTIONS

SCALE: 1/8"=1'-0" PAGE: 11 OF 103

Z-104.00

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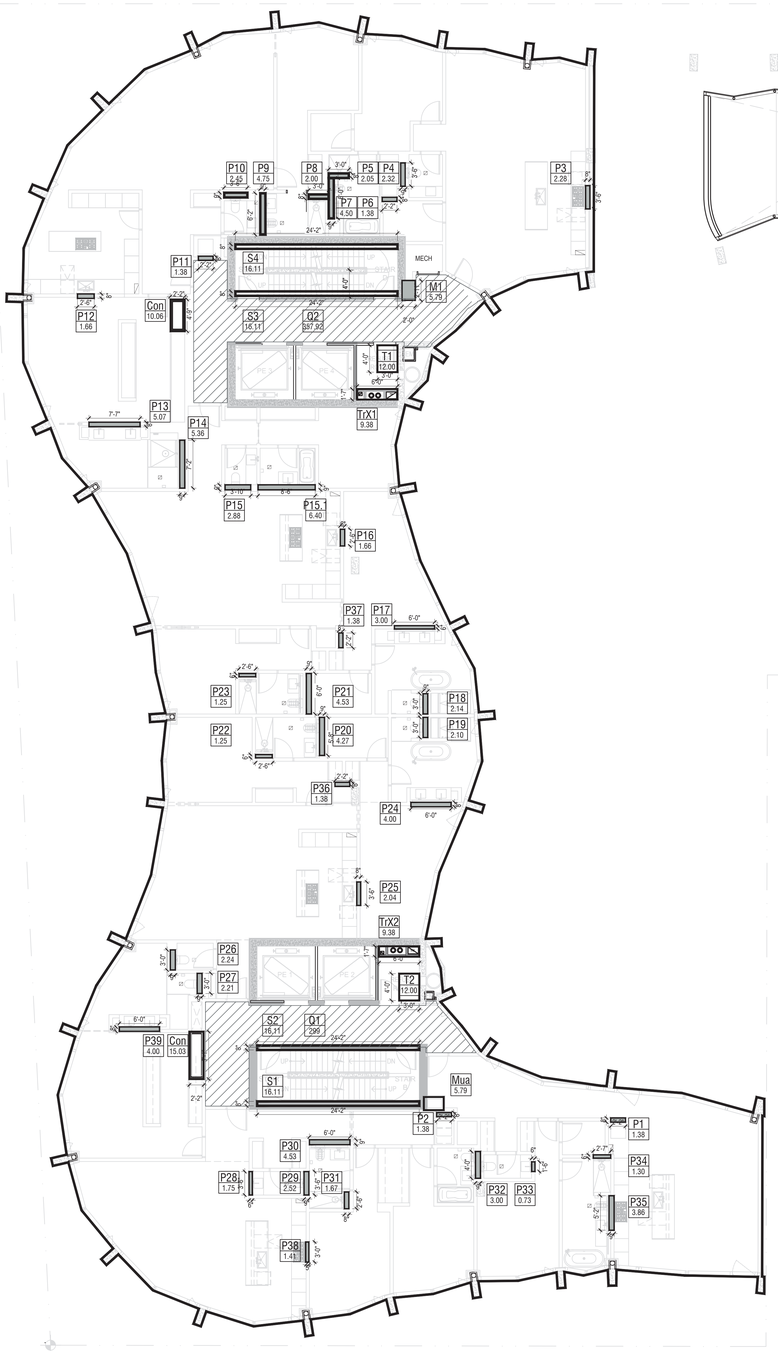
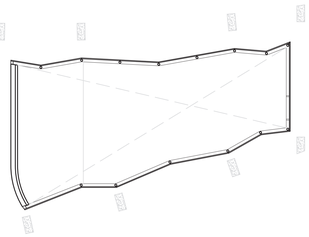
02/13/2013





2ND FLOOR MEP DEDUCTIONS		
1	P1	1.38 Si . .FT.
2	P2	1.38 Si . .FT.
3	P3	2.28 Si . .FT.
4	P4	2.32 Si . .FT.
5	P5	2.05 Si . .FT.
6	P6	1.38 Si . .FT.
7	P7	4.50 Si . .FT.
8	P8	2.00 Si . .FT.
9	P9	4.75 Si . .FT.
10	P10	2.45 Si . .FT.
11	P11	1.38 Si . .FT.
12	P12	1.66 Si . .FT.
13	P13	5.07 Si . .FT.
14	P14	5.36 Si . .FT.
15	P15	2.88 Si . .FT.
15	P15.1	6.40 Si . .FT.
16	P16	1.66 Si . .FT.
17	P17	3.00 Si . .FT.
18	P18	2.14 Si . .FT.
19	P19	2.10 Si . .FT.
20	P20	4.27 Si . .FT.
21	P21	4.53 Si . .FT.
22	P22	1.25 Si . .FT.
23	P23	1.25 Si . .FT.
24	P24	4.00 Si . .FT.
25	P25	2.04 Si . .FT.
26	P26	2.24 Si . .FT.
27	P27	2.21 Si . .FT.
28	P28	1.75 Si . .FT.
29	P29	2.52 Si . .FT.
30	P30	4.53 Si . .FT.
31	P31	1.67 Si . .FT.
32	P32	3.00 Si . .FT.
33	P33	0.73 Si . .FT.
34	P34	1.30 Si . .FT.
35	P35	3.86 Si . .FT.
36	P36	1.38 Si . .FT.
37	P37	1.38 Si . .FT.
38	P38	1.41 Si . .FT.
39	P39	4.00 Si . .FT.
	MEP DEDUCTIONS	105.45 Si . .FT.

2ND MEP DEDUCTIONS		
1	MUA N	5.79 Si . .FT.
2	MUA S	5.79 Si . .FT.
3	CONDUIT N	10.06 Si . .FT.
4	CONDUIT S	15.03 Si . .FT.
	SHAFT DEDUCTIONS	11.59 Si . .FT.

2ND FLOOR Tr DEDUCTIONS		
1	Tr. 1	9.38 Si . .FT.
2	Tr. 2	9.38 Si . .FT.
	Tr DEDUCTIONS	18.75 Si . .FT.

TOTAL MECH DEDUCTIONS		
1	MECH	135.79 Si . .FT.

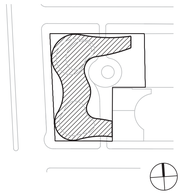
2ND FLOOR DEDUCTIONS		
1	STAIR 1	16.11 Si . .FT.
2	STAIR 2	16.11 Si . .FT.
3	STAIR 3	16.11 Si . .FT.
4	STAIR 4	16.11 Si . .FT.
	STAIR DEDUCTIONS	64.45 SF

2ND FLOOR : H DEDUCTIONS		
1	CORRIDOR 1	298.99 Si . .FT.
2	CORRIDOR 2	357.92 Si . .FT.
3	T1	12.00 Si . .FT.
4	T2	12.00 Si . .FT.
	: H DEDUCTIONS	656.91 Si . .FT.

2ND FLOOR ZFA		
1	GROSS AREA	1977.69 Si . .FT.
2	TOTAL DEDUCTIONS	857.15 Si . .FT.
	2ND FL. ZFA	1120.54 Si . .FT.

1 Z-105 SECOND ZONING DEDUCTIONS
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

SECOND FLOOR ZONING DEDUCTIONS

SCALE: 1/8"=1'-0" PAGE: 12 OF 103

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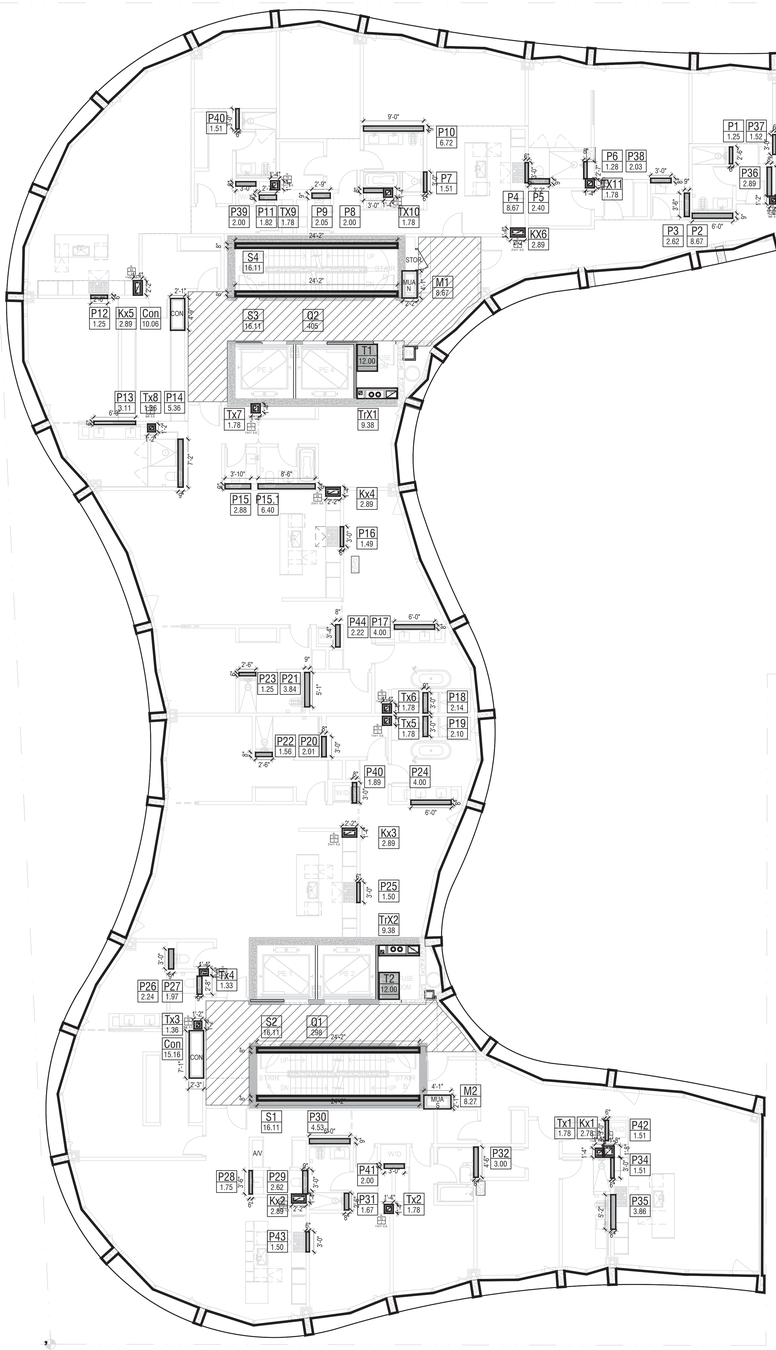

1 / Z-103 THIRD-FOURTH FLOOR ZONING DEDUCTIONS

SCALE: 1/8" = 1'-0"

3RD, 4TH FLOOR MEP DEDUCTIONS		
1	P1	1.25 Si . .FT.
2	P2	4.53 Si . .FT.
3	P3	2.62 Si . .FT.
4	P4	1.50 Si . .FT.
5	P5	2.40 Si . .FT.
6	P6	1.28 Si . .FT.
7	P7	1.51 Si . .FT.
8	P8	2.00 Si . .FT.
9	P9	2.05 Si . .FT.
10	P10	6.72 Si . .FT.
11	P11	1.82 Si . .FT.
12	P12	1.25 Si . .FT.
13	P13	3.11 Si . .FT.
14	P14	5.36 Si . .FT.
15	P15	6.40 Si . .FT.
15	P15.1	6.40 Si . .FT.
16	P16	1.49 Si . .FT.
17	P17	4.00 Si . .FT.
18	P18	2.14 Si . .FT.
19	P19	2.10 Si . .FT.
20	P20	2.01 Si . .FT.
21	P21	3.84 Si . .FT.
22	P22	1.56 Si . .FT.
23	P23	1.25 Si . .FT.
24	P24	4.00 Si . .FT.
25	P25	1.50 Si . .FT.
26	P26	2.24 Si . .FT.
27	P27	1.97 Si . .FT.
28	P28	1.75 Si . .FT.
29	P29	2.62 Si . .FT.
30	P30	4.53 Si . .FT.
31	P31	1.67 Si . .FT.
32	P32	3.00 Si . .FT.
34	P34	1.51 Si . .FT.
35	P35	3.86 Si . .FT.
36	P36	2.89 Si . .FT.
37	P37	1.52 Si . .FT.
38	P38	2.03 Si . .FT.
39	P39	2.00 Si . .FT.
40	P40	1.89 Si . .FT.
41	P41	2.00 Si . .FT.
42	P42	1.51 Si . .FT.
43	P43	1.50 Si . .FT.
44	P44	2.22 Si . .FT.
	MEP DEDUCTIONS	109.56 SF

3RD, 4TH FLOOR MEP DEDUCTIONS		
1	Ti: 1	1.78 Si . .FT.
2	Ti: 2	1.78 Si . .FT.
3	Ti: 3	1.36 Si . .FT.
4	Ti: 4	1.33 Si . .FT.
5	Ti: 5	1.78 Si . .FT.
6	Ti: 6	1.78 Si . .FT.
7	Ti: 7	1.78 Si . .FT.
8	Ti: 8	1.36 Si . .FT.
9	Ti: 9	1.78 Si . .FT.
10	Ti: 10	1.78 Si . .FT.
11	Ti: 11	1.78 Si . .FT.
12	Ti: 12	1.36 Si . .FT.
13	Tr: 1	9.38 Si . .FT.
14	Tr: 2	9.38 Si . .FT.
	Ti: DEDUCTIONS	19.64 Si . .FT.

3RD, 4TH FLOOR MEP DEDUCTIONS		
1	Ki: 1	2.78 Si . .FT.
2	Ki: 2	2.89 Si . .FT.
3	Ki: 3	2.89 Si . .FT.
4	Ki: 4	2.89 Si . .FT.
5	Ki: 5	2.89 Si . .FT.
6	Ki: 6	2.89 Si . .FT.
7	Ki: 7	2.89 Si . .FT.
	Ki: DEDUCTIONS	20.11 Si . .FT.

3RD, 4TH MEP DEDUCTIONS		
1	MUA - NORTH	9.12 Si . .FT.
2	MUA- SOUTH	8.27 Si . .FT.
3	CONDUIT - NORTH	10.06 Si . .FT.
4	CONDUIT - SOUTH	15.16 Si . .FT.
	SHAFT DEDUCTIONS	17.39 Si . .FT.

TOTAL MECH DEDUCTIONS		
1	MECH	166.71 Si . .FT.

3RD, 4TH FLOOR DEDUCTIONS		
1	STAIR 1	16.11 Si . .FT.
2	STAIR 2	16.11 Si . .FT.
3	STAIR 3	16.11 Si . .FT.
4	STAIR 4	16.11 Si . .FT.
	STAIR DEDUCTIONS	64.45 SF

3RD, 4TH FLOOR ↕ H DEDUCTIONS		
1	CORRIDOR 1	297.70 Si . .FT.
2	CORRIDOR 2	404.88 Si . .FT.
3	T1	12.00 Si . .FT.
4	T2	12.00 Si . .FT.
	↕ H DEDUCTIONS	702.57 Si . .FT.

3RD, 4TH FLOOR ZFA		
1	GROSS AREA	13250.68 Si . .FT.
2	TOTAL DEDUCTIONS	933.73 Si . .FT.
	3RD, 4TH FL. ZFA	12316.95 Si . .FT.

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET

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PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

THIRD-FOURTH FLOOR ZONING DEDUCTIONS

SCALE: 1/8"=1'-0" PAGE: 13 OF 103

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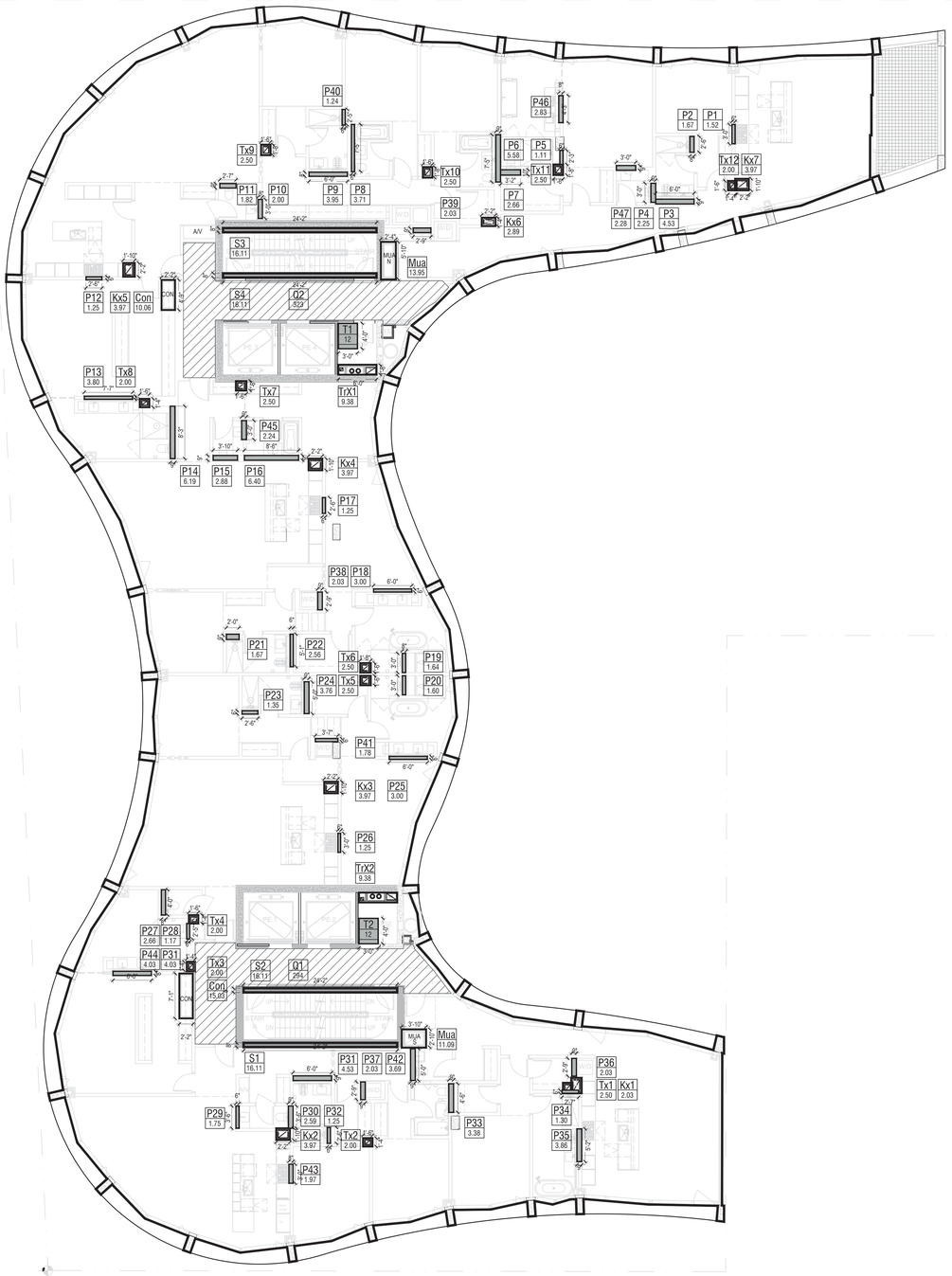


1 Z-107 FIFTH-SIXTH FLOOR ZONING DEDUCTIONS
SCALE: 1/8" = 1'-0"

3RD, 4TH FLOOR MEP DEDUCTIONS		
1	P1	1.52 SI. . FT.
2	P2	1.67 SI. . FT.
3	P3	4.53 SI. . FT.
4	P4	2.25 SI. . FT.
5	P5	1.11 SI. . FT.
6	P6	5.58 SI. . FT.
7	P7	2.66 SI. . FT.
8	P8	3.71 SI. . FT.
9	P9	3.95 SI. . FT.
10	P10	2.00 SI. . FT.
11	P11	1.82 SI. . FT.
12	P12	1.25 SI. . FT.
13	P13	3.80 SI. . FT.
14	P14	6.19 SI. . FT.
15	P15	2.88 SI. . FT.
16	P16	6.40 SI. . FT.
17	P17	1.25 SI. . FT.
18	P18	3.00 SI. . FT.
19	P19	1.64 SI. . FT.
20	P20	1.60 SI. . FT.
21	P21	1.67 SI. . FT.
22	P22	2.56 SI. . FT.
23	P23	1.35 SI. . FT.
24	P24	3.76 SI. . FT.
25	P25	3.00 SI. . FT.
26	P26	1.25 SI. . FT.
27	P27	2.66 SI. . FT.
28	P28	1.17 SI. . FT.
29	P29	1.75 SI. . FT.
30	P30	2.59 SI. . FT.
31	P31	4.53 SI. . FT.
32	P32	1.25 SI. . FT.
33	P33	3.38 SI. . FT.
34	P34	1.30 SI. . FT.
35	P35	3.86 SI. . FT.
36	P36	2.03 SI. . FT.
37	P37	2.03 SI. . FT.
38	P38	2.03 SI. . FT.
39	P39	2.03 SI. . FT.
40	P40	1.24 SI. . FT.
41	P41	1.78 SI. . FT.
42	P42	3.69 SI. . FT.
43	P43	1.97 SI. . FT.
44	P44	4.03 SI. . FT.
45	P45	2.24 SI. . FT.
46	P46	2.83 SI. . FT.
47	P47	2.28 SI. . FT.
	MEP DEDUCTIONS	123.04 SF

5TH, 6TH FLOOR MEP DEDUCTIONS		
1	T: 1	2.50 SI. . FT.
2	T: 2	2.00 SI. . FT.
3	T: 3	2.00 SI. . FT.
4	T: 4	2.00 SI. . FT.
5	T: 5	2.50 SI. . FT.
6	T: 6	2.50 SI. . FT.
7	T: 7	2.50 SI. . FT.
8	T: 8	2.00 SI. . FT.
9	T: 9	2.50 SI. . FT.
10	T: 10	2.50 SI. . FT.
11	T: 11	2.50 SI. . FT.
12	T: 12	2.00 SI. . FT.
13	Tr: 1	9.38 SI. . FT.
14	Tr: 2	9.38 SI. . FT.
	T: DEDUCTIONS	27.50 SI. . FT.

5TH, 6TH FLOOR MEP DEDUCTIONS		
1	K: 1	4.06 SI. . FT.
2	K: 2	3.97 SI. . FT.
3	K: 3	3.97 SI. . FT.
4	K: 4	3.97 SI. . FT.
5	K: 5	3.97 SI. . FT.
6	K: 6	2.89 SI. . FT.
7	K: 7	3.97 SI. . FT.
	K: DEDUCTIONS	26.81 SI. . FT.

5TH, 6TH MEP DEDUCTIONS		
1	MUA NORTH	13.95 SI. . FT.
2	MUA SOUTH	11.09 SI. . FT.
3	CONDUIT NORTH	10.06 SI. . FT.
4	CONDUIT SOUTH	15.03 SI. . FT.
	MEP DEDUCTIONS	25.04 SI. . FT.

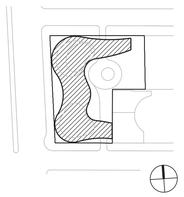
TOTAL MECH DEDUCTIONS		
1	MECH	202.39 SI. . FT.

5TH, 6TH FLOOR ◊ H DED.		
1	STAIR 1	16.11 SI. . FT.
2	STAIR 2	16.11 SI. . FT.
3	STAIR 3	16.11 SI. . FT.
4	STAIR 4	16.11 SI. . FT.
	STAIR DEDUCTIONS	64.45 SI. . FT.

5TH, 6TH FLOOR ◊ H DEDUCTIONS		
1	CORRIDOR 1	293.67 SI. . FT.
2	CORRIDOR 2	322.79 SI. . FT.
3	T1	12.00 SI. . FT.
4	T2	12.00 SI. . FT.
	◊ H DEDUCTIONS	640.45 SI. . FT.

5TH, 6TH FLOOR ZFA		
1	GROSS AREA	13250.68 SI. . FT.
2	TOTAL DEDUCTIONS	907.30 SI. . FT.
	5TH, 6TH FL. ZFA	12343.38 SI. . FT.

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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DOB NO.: 121330611

DRAWING TITLE:

FIFTH-SIXTH FLOOR ZONING DEDUCTIONS

SCALE: 1/8"=1'-0" PAGE: 14 OF 103

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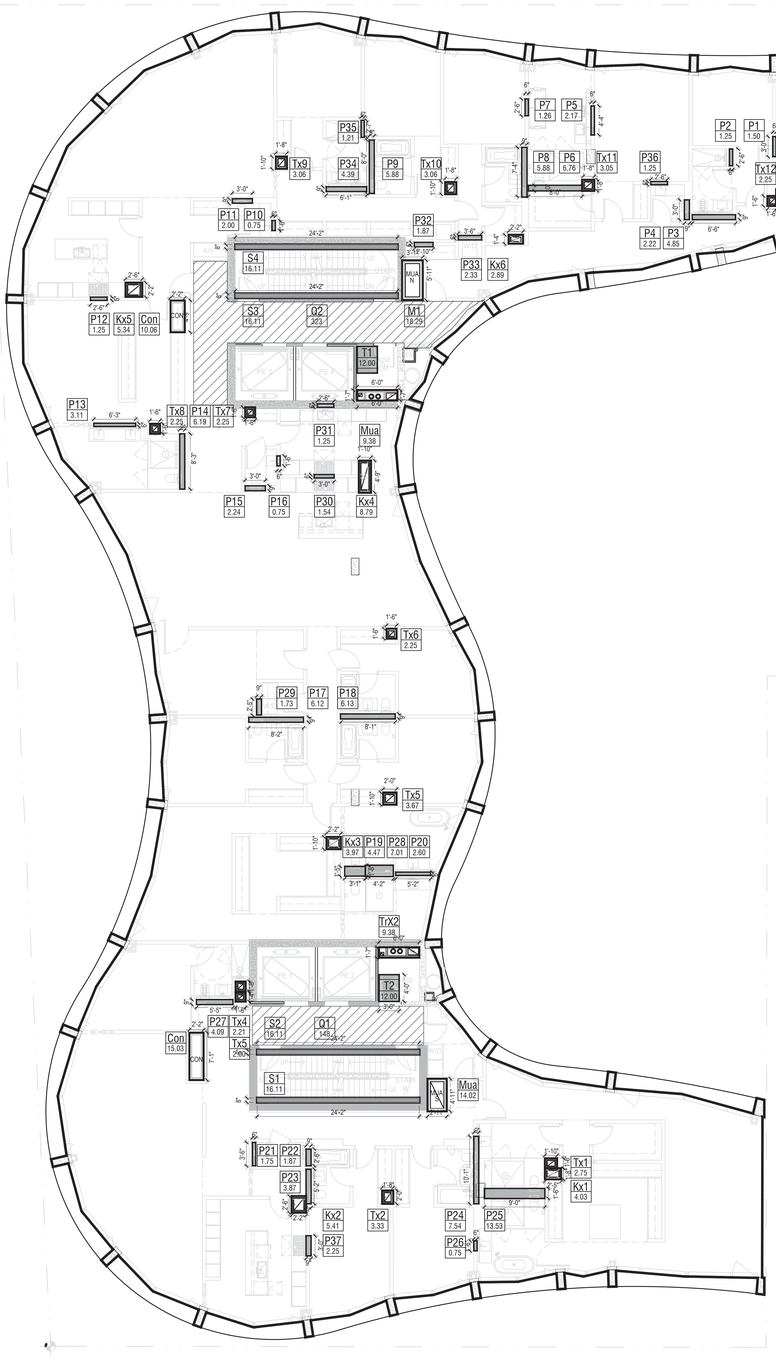

77TH-9TH FLOOR MEP DEDUCTIONS		
1	P1	1.50 Si . .FT.
2	P2	1.25 Si . .FT.
3	P3	4.85 Si . .FT.
4	P4	2.22 Si . .FT.
5	P5	2.17 Si . .FT.
6	P6	6.76 Si . .FT.
7	P7	1.26 Si . .FT.
8	P8	5.88 Si . .FT.
9	P9	5.88 Si . .FT.
10	P10	0.75 Si . .FT.
11	P11	2.00 Si . .FT.
12	P12	1.25 Si . .FT.
13	P13	3.11 Si . .FT.
14	P14	6.19 Si . .FT.
15	P15	2.24 Si . .FT.
16	P16	0.75 Si . .FT.
17	P17	6.12 Si . .FT.
18	P18	6.13 Si . .FT.
19	P19	4.47 Si . .FT.
20	P20	2.60 Si . .FT.
21	P21	1.75 Si . .FT.
22	P22	1.87 Si . .FT.
23	P23	3.87 Si . .FT.
24	P24	7.54 Si . .FT.
24	P25	13.53 Si . .FT.
26	P26	0.75 Si . .FT.
27	P27	4.09 Si . .FT.
28	P28	7.01 Si . .FT.
29	P29	1.73 Si . .FT.
30	P30	1.54 Si . .FT.
31	P31	1.25 Si . .FT.
32	P32	1.87 Si . .FT.
33	P33	2.33 Si . .FT.
34	P34	4.39 Si . .FT.
35	P35	1.21 Si . .FT.
36	P36	1.25 Si . .FT.
37	P37	2.25 Si . .FT.
	MEP DEDUCTIONS	125.59 SF

77TH-9TH FLOOR MEP DEDUCTIONS		
1	Ti: 1	2.75 Si . .FT.
2	Ti: 2	3.33 Si . .FT.
3	Ti: 3	2.00 Si . .FT.
4	Ti: 4	2.21 Si . .FT.
5	Ti: 5	3.67 Si . .FT.
6	Ti: 6	2.25 Si . .FT.
7	Ti: 7	2.25 Si . .FT.
8	Ti: 8	2.25 Si . .FT.
9	Ti: 9	3.06 Si . .FT.
10	Ti: 10	3.06 Si . .FT.
11	Ti: 11	3.05 Si . .FT.
12	Ti: 12	2.25 Si . .FT.
13	Tr: 1	9.38 Si . .FT.
14	Tr: 2	9.38 Si . .FT.
	Ti: DEDUCTIONS	50.87 Si . .FT.

77TH-9TH FLOOR MEP DEDUCTIONS		
1	Ki: 1	4.03 Si . .FT.
2	Ki: 2	5.41 Si . .FT.
3	Ki: 3	3.97 Si . .FT.
4	Ki: 4	8.79 Si . .FT.
5	Ki: 5	5.34 Si . .FT.
6	Ki: 6	2.89 Si . .FT.
7	Ki: 7	5.35 Si . .FT.
	Ki: DEDUCTIONS	22.20 Si . .FT.

77H-9TH MEP DEDUCTIONS		
1	MUA NORTH	18.29 Si . .FT.
2	MUA SOUTH	14.02 Si . .FT.
3	CONDUIT NORTH	10.06 Si . .FT.
4	CONDUIT SOUTH	15.03 Si . .FT.
	MEP DEDUCTIONS	57.40 Si . .FT.

TOTAL MECH DEDUCTIONS		
1	MECH	256.06 Si . .FT.

77TH-9TH FLOOR DEDCTIONS		
1	STAIR 1	16.11 Si . .FT.
2	STAIR 2	16.11 Si . .FT.
3	STAIR 3	16.11 Si . .FT.
4	STAIR 4	16.11 Si . .FT.
	STAIR DEDUCTIONS	64.45 SF

77H-9TH FLOOR ⌶ H DEDUCTIONS		
1	CORRIDOR 1 (⌶ / 1/2)	73.97 Si . .FT.
2	CORRIDOR 2	323.00 Si . .FT.
3	T1	12.00 Si . .FT.
4	T2	12.00 Si . .FT.
	⌶ H DEDUCTIONS	408.97 Si . .FT.

77H-9TH FLOOR ZFA		
1	GROSS AREA	3250.68 Si . .FT.
2	TOTAL DEDUCTIONS	729.48 Si . .FT.
	77H-9TH FL. ZFA	2521.20 Si . .FT.

1 / Z-108 SEVENTH-NINTH FLOOR ZONING DEDUCTIONS
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
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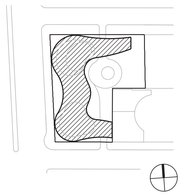

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PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

SEVENTH-NINTH FLOOR ZONING DEDUCTIONS

SCALE: 1/8"=1'-0" PAGE: 15 OF 103

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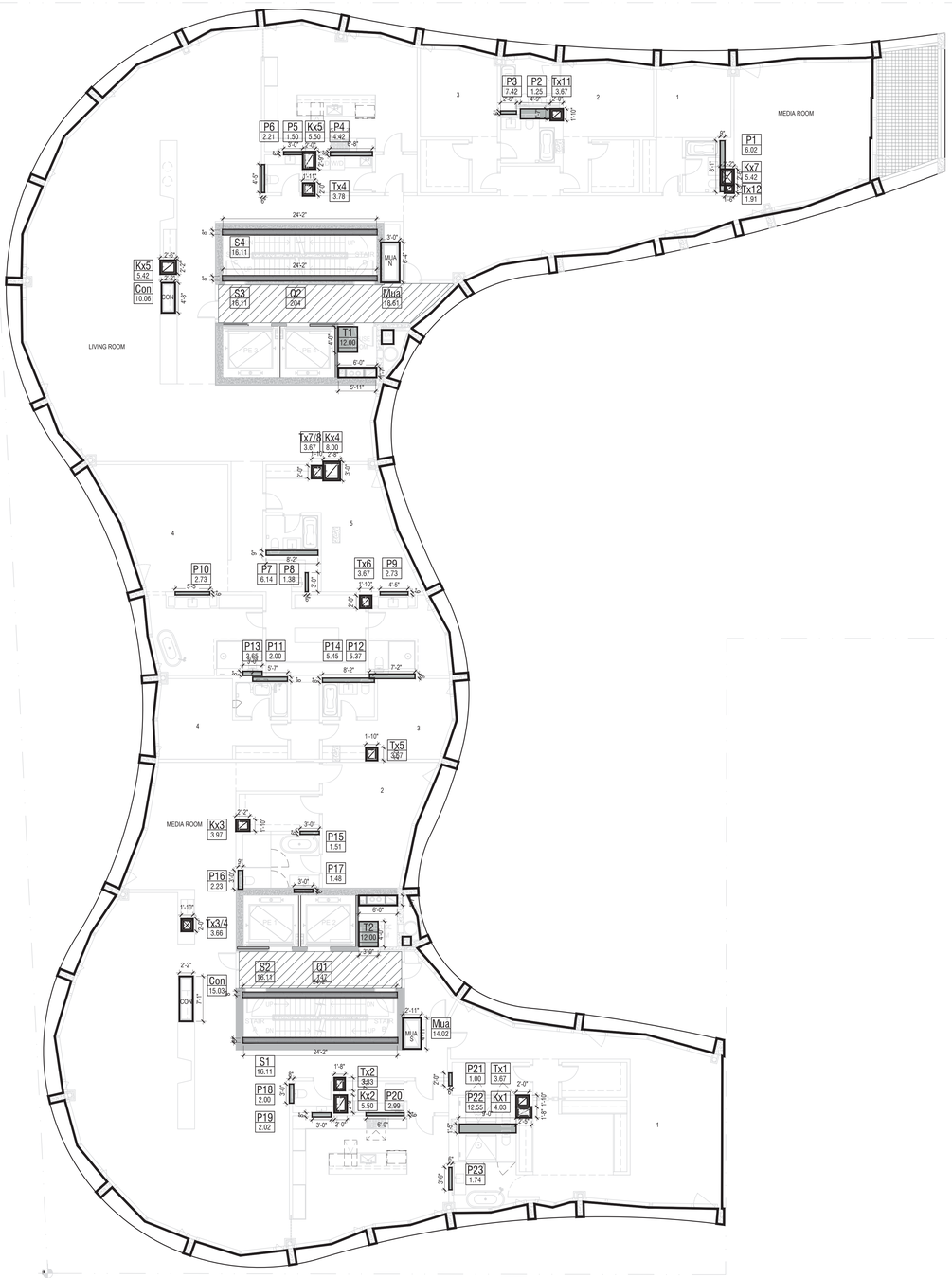

1 / Z-109 TENTH-ELEVENTH FLOOR ZONING DEDUCTIONS

SCALE: 1/8" = 1'-0"

10TH, 11TH FLOOR MEP DEDUCTIONS		
1	P1	6.02 Si . .FT.
2	P2	1.25 Si . .FT.
3	P3	7.42 Si . .FT.
4	P4	4.42 Si . .FT.
5	P5	1.50 Si . .FT.
6	P6	2.21 Si . .FT.
7	P7	6.14 Si . .FT.
8	P8	1.38 Si . .FT.
9	P9	1.38 Si . .FT.
10	P10	2.73 Si . .FT.
11	P11	2.00 Si . .FT.
12	P12	5.37 Si . .FT.
13	P13	3.65 Si . .FT.
14	P14	5.45 Si . .FT.
15	P15	1.51 Si . .FT.
16	P16	2.23 Si . .FT.
17	P17	1.48 Si . .FT.
18	P18	2.00 Si . .FT.
19	P19	2.02 Si . .FT.
20	P20	2.99 Si . .FT.
21	P21	2.00 Si . .FT.
22	P22	12.55 Si . .FT.
23	P23	1.74 Si . .FT.
	MEP DEDUCTIONS	79.42 SF

10TH, 11TH FLOOR MEP DEDUCTIONS		
1	Ti: 1	3.67 Si . .FT.
2	Ti: 2	3.33 Si . .FT.
3	Ti: 3/4	3.66 Si . .FT.
5	Ti: 5	3.67 Si . .FT.
6	Ti: 6	3.67 Si . .FT.
7	Ti: 7,8	3.67 Si . .FT.
9	Ti: 9,10	3.78 Si . .FT.
11	Ti: 11	3.67 Si . .FT.
12	Ti: 12	1.91 Si . .FT.
	Ti: DEDUCTIONS	31.02 Si . .FT.

10TH, 11TH FLOOR MEP DEDUCTIONS		
1	Ki: 1	4.03 Si . .FT.
2	Ki: 2	5.50 Si . .FT.
3	Ki: 3	3.97 Si . .FT.
4	Ki: 4	8.00 Si . .FT.
5	Ki: 5	5.42 Si . .FT.
6	Ki: 6	5.50 Si . .FT.
7	Ki: 7	5.42 Si . .FT.
	Ki: DEDUCTIONS	21.50 Si . .FT.

10TH, 11TH FLOOR Tr DEDUCTIONS		
1	Tri: 1	9.37 Si . .FT.
2	Tri: 2	9.38 Si . .FT.
	Tri: H DEDUCTIONS	18.75 Si . .FT.

10TH, 11TH MEP DEDUCTIONS		
1	MUA NORTH	18.61 Si . .FT.
1	MUA SOUTH	14.02 Si . .FT.
1	CONDUIT NORTH	10.06 Si . .FT.
1	CONDUIT SOUTH	15.03 Si . .FT.
	SHAFT DEDUCTIONS	32.63 Si . .FT.

TOTAL MECH DEDUCTIONS		
1	MECH	183.31 Si . .FT.

10TH, 11TH FLOOR STAIR DEDUCTIONS		
1	STAIR 1	16.11 Si . .FT.
2	STAIR 2	16.11 Si . .FT.
3	STAIR 3	16.11 Si . .FT.
4	STAIR 4	16.11 Si . .FT.
	STAIR DEDUCTIONS	64.45 SF

10TH, 11TH FLOOR (H DEDUCTIONS		
1	CORRIDOR 1 ( )	73.55 Si . .FT.
2	CORRIDOR 2 ( )	101.83 Si . .FT.
3	T1	12.00 Si . .FT.
4	T2	12.00 Si . .FT.
	H DEDUCTIONS	199.39 SF

10TH, 11TH FLOOR ZFA		
1	GROSS AREA	3250.68 Si . .FT.
2	TOTAL DEDUCTIONS	447.15 Si . .FT.
	10TH, 11TH FL. ZFA	2803.53 Si . .FT.

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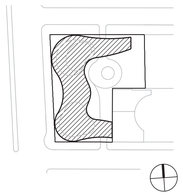

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TENTH-ELEVENTH FLOOR ZONING DEDUCTIONS

SCALE: 1/8"=1'-0" PAGE: 16 OF 103

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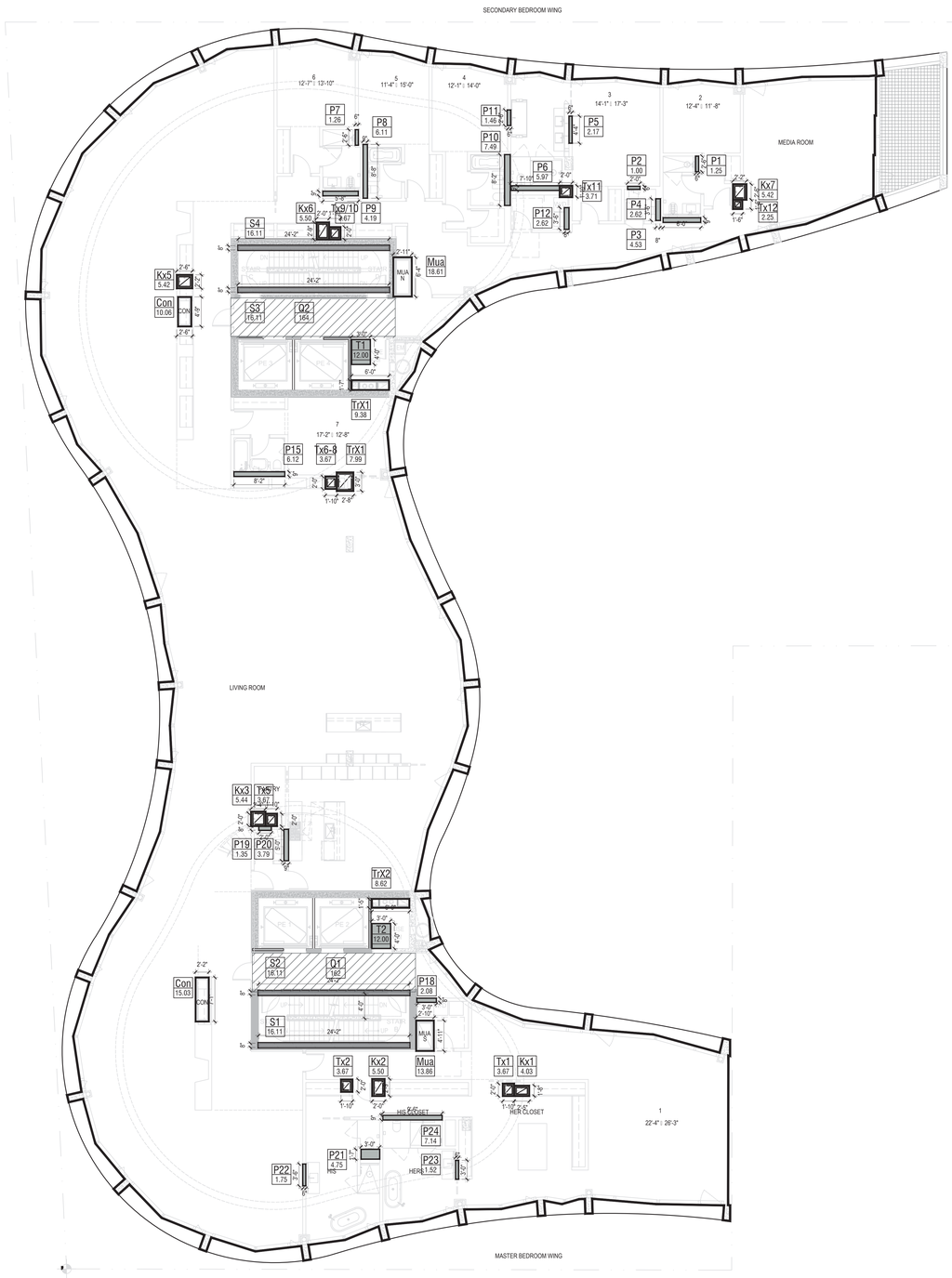

12TH FLOOR MEP DEDUCTIONS		
1	P1	1.25 Si . .FT.
2	P2	1.00 Si . .FT.
3	P3	4.53 Si . .FT.
4	P4	2.62 Si . .FT.
5	P5	2.17 Si . .FT.
6	P6	5.97 Si . .FT.
7	P7	1.26 Si . .FT.
8	P8	6.11 Si . .FT.
9	P9	4.19 Si . .FT.
10	P10	7.49 Si . .FT.
11	P11	1.46 Si . .FT.
12	P12	2.62 Si . .FT.
15	P15	6.12 Si . .FT.
18	P18	2.08 Si . .FT.
19	P19	1.35 Si . .FT.
20	P20	3.79 Si . .FT.
21	P21	4.75 Si . .FT.
22	P22	1.75 Si . .FT.
23	P23	1.52 Si . .FT.
24	P24	7.14 Si . .FT.
	MEP DEDUCTIONS	69.16 SF

12TH FLOOR MEP DEDUCTIONS		
1	Ti: 1	3.67 Si . .FT.
2	Ti: 2	3.67 Si . .FT.
5	Ti: 5	3.67 Si . .FT.
6	Ti: 6-8	3.67 Si . .FT.
9	Ti: 9-10	3.67 Si . .FT.
11	Ti: 11	3.71 Si . .FT.
12	Ti: 12	2.25 Si . .FT.
13	Tri: 1	9.38 Si . .FT.
14	Tri: 2	8.62 Si . .FT.
	Ti: DEDUCTIONS	24.30 Si . .FT.

12TH FLOOR MEP DEDUCTIONS		
1	Ki: 1	4.03 Si . .FT.
2	Ki: 2	5.50 Si . .FT.
3	Ki: 3	5.44 Si . .FT.
5	Ki: 5	5.42 Si . .FT.
6	Ki: 6	5.50 Si . .FT.
7	Ki: 7	5.42 Si . .FT.
	Ki: DEDUCTIONS	14.97 Si . .FT.

12TH MEP DEDUCTIONS		
1	MUA NORTH	18.61 Si . .FT.
2	MUA SOUTH	13.86 Si . .FT.
3	CONDUIT NORTH	10.06 Si . .FT.
4	CONDUIT SOUTH	15.03 Si . .FT.
	SHAFT DEDUCTIONS	32.47 Si . .FT.

TOTAL MECH DEDUCTIONS		
1	MECH	140.90 Si . .FT.

12TH FLOOR I H DED.		
1	STAIR 1	16.11 Si . .FT.
2	STAIR 2	16.11 Si . .FT.
3	STAIR 3	16.11 Si . .FT.
4	STAIR 4	16.11 Si . .FT.
5	T1	12.00 Si . .FT.
6	T2	12.00 Si . .FT.
	I H DEDUCTIONS	88.45 SF

12TH FLOOR CORR. I H DEDUCTIONS		
1	CORRIDOR 1	162.45 Si . .FT.
2	CORRIDOR 2	163.74 Si . .FT.
	½ I I H DEDUCTIONS	163.10 Si . .FT.

TOTAL I H DEDUCTIONS		
1	I H	251.55 Si . .FT.

12TH FLOOR ZFA		
1	GROSS AREA	13254.46 Si . .FT.
2	TOTAL DEDUCTIONS	392.45 Si . .FT.
	12TH FL. ZFA	12862.01 Si . .FT.

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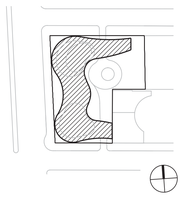

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TWELFTH FLOOR ZONING DEDUCTIONS

SCALE: 1/8"=1'-0" PAGE: 17 OF 103

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1 A-110 TWELFTH FLOOR ZONING DEDUCTIONS
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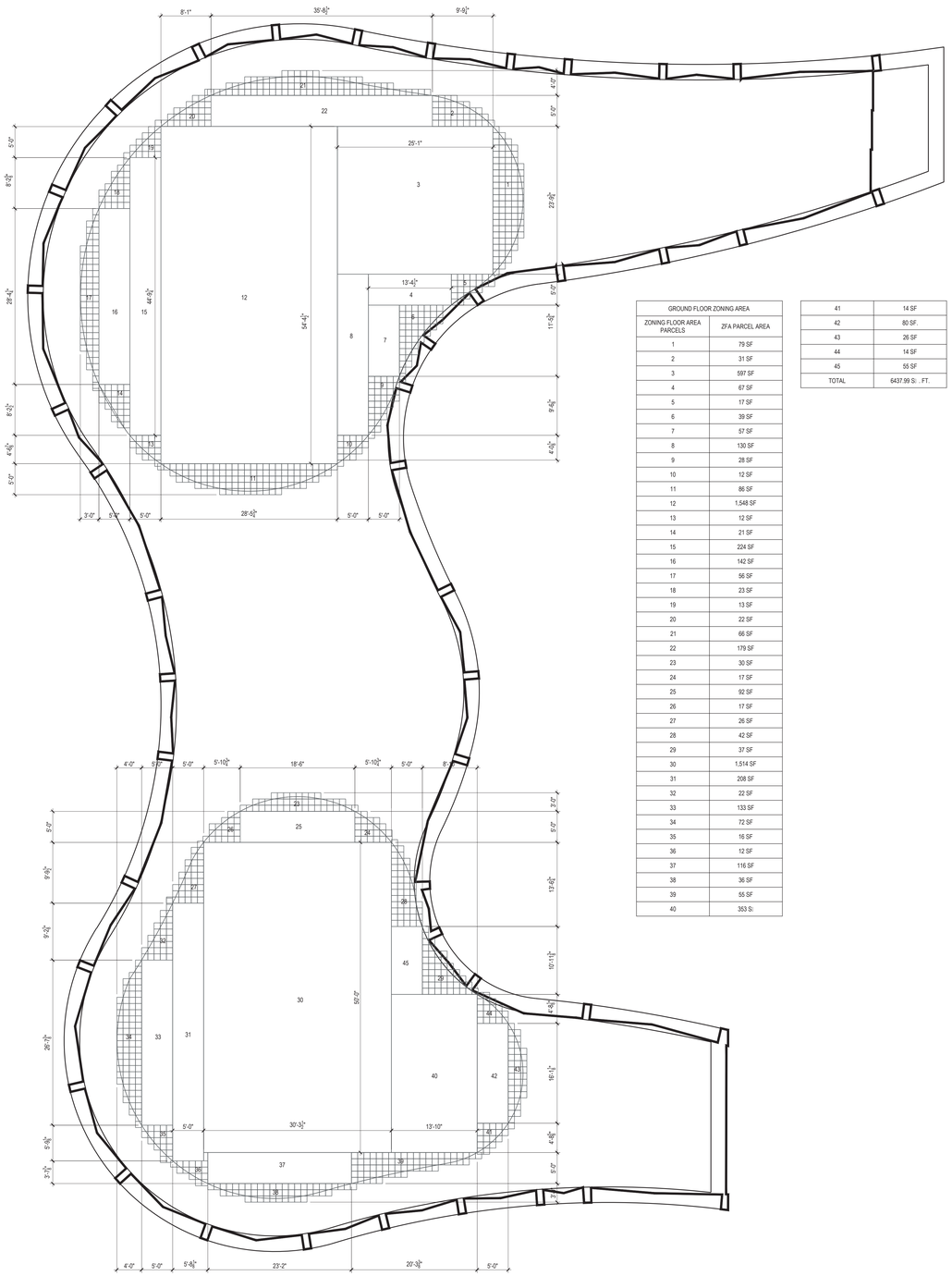
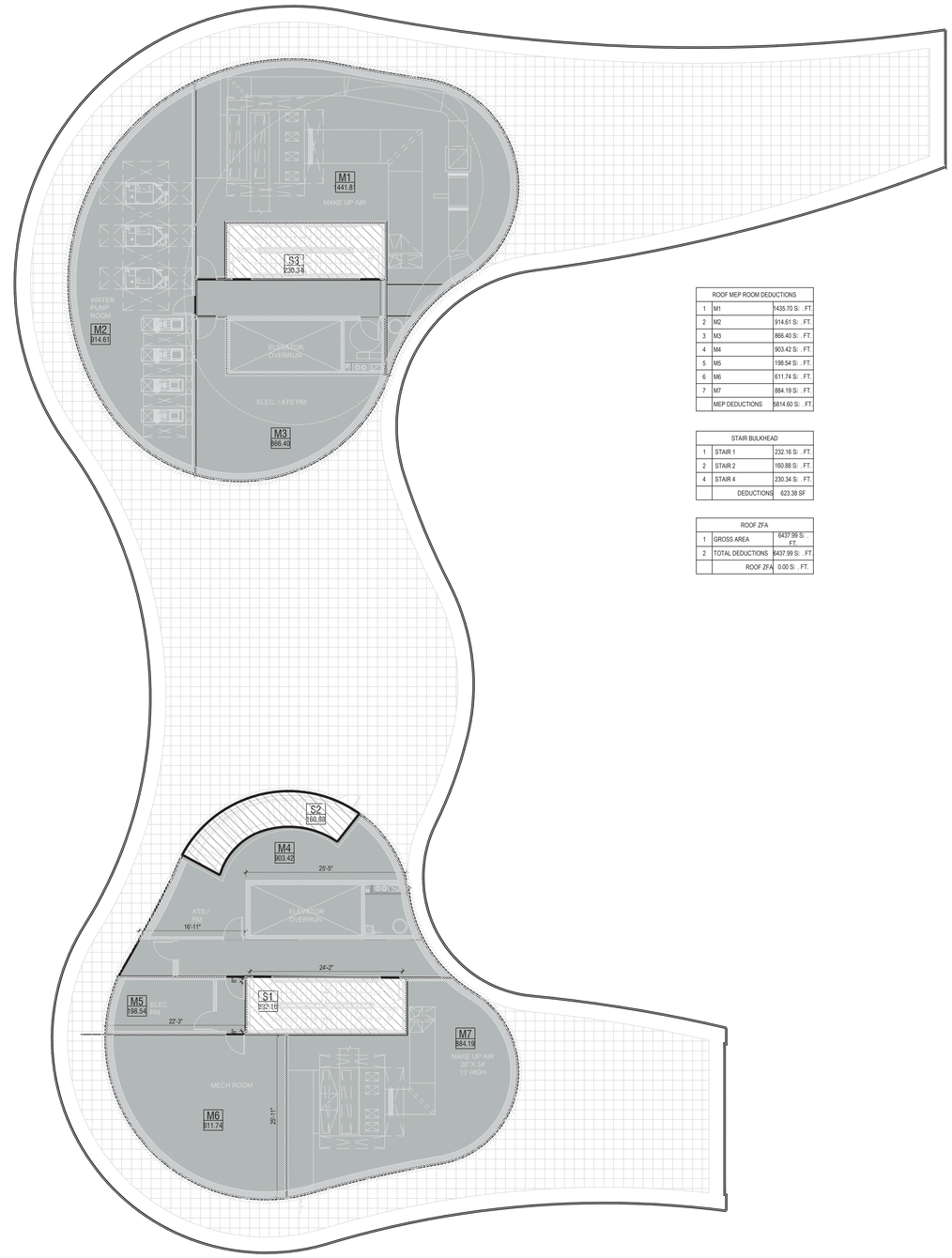


GROUND FLOOR ZONING AREA	
ZONING FLOOR AREA PARCELS	ZFA PARCEL AREA
1	79 SF
2	31 SF
3	597 SF
4	67 SF
5	17 SF
6	39 SF
7	57 SF
8	130 SF
9	28 SF
10	12 SF
11	86 SF
12	1,548 SF
13	12 SF
14	21 SF
15	224 SF
16	142 SF
17	56 SF
18	23 SF
19	13 SF
20	22 SF
21	66 SF
22	179 SF
23	30 SF
24	17 SF
25	92 SF
26	17 SF
27	26 SF
28	42 SF
29	37 SF
30	1,514 SF
31	208 SF
32	22 SF
33	133 SF
34	72 SF
35	16 SF
36	12 SF
37	116 SF
38	36 SF
39	55 SF
40	353 S:

41	14 SF
42	80 SF
43	26 SF
44	14 SF
45	55 SF
TOTAL	6437.99 S: . FT.

2 Z-111 ROOF FLOOR AREA CALCULATION
SCALE: 1/8" = 1'-0"



ROOF MEP ROOM DEDUCTIONS		
1	M1	1435.70 S: . FT.
2	M2	914.61 S: . FT.
3	M3	866.40 S: . FT.
4	M4	903.42 S: . FT.
5	M5	198.54 S: . FT.
6	M6	611.74 S: . FT.
7	M7	884.19 S: . FT.
	MEP DEDUCTIONS	5814.60 S: . FT.

STAIR BULKHEAD		
1	STAIR 1	232.16 S: . FT.
2	STAIR 2	160.88 S: . FT.
4	STAIR 4	230.34 S: . FT.
	DEDUCTIONS	623.38 SF

ROOF ZFA		
1	GROSS AREA	6437.99 S: . FT.
2	TOTAL DEDUCTIONS	6437.99 S: . FT.
	ROOF ZFA	0.00 S: . FT.

1 Z-111 ROOF ZONING DEDUCTIONS
SCALE: 1/8" = 1'-0"

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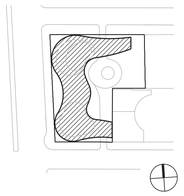

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ROOF ZONING AREA AND DEDUCTIONS

SCALE: 1/8"=1'-0" PAGE: 18 OF 103

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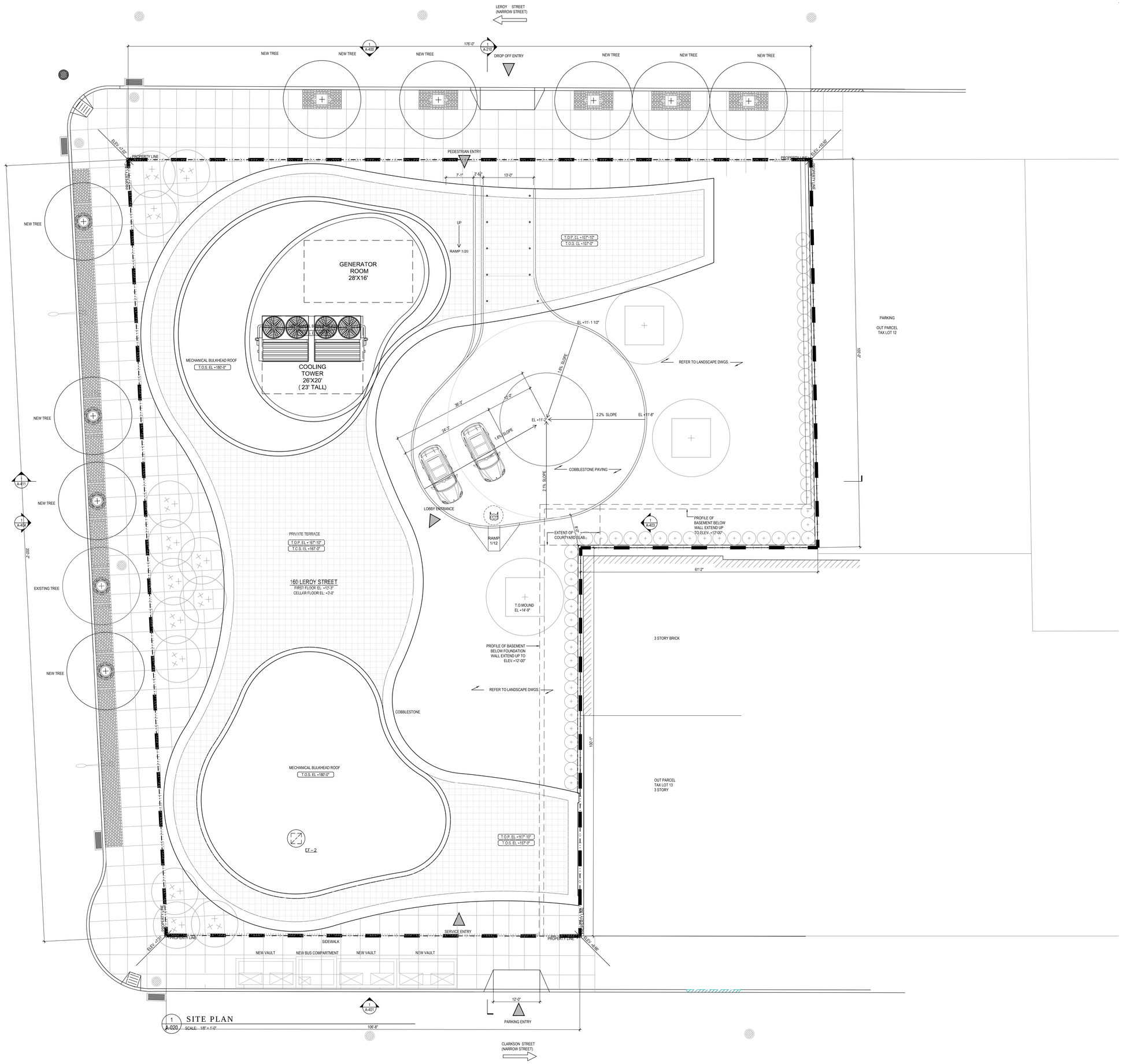

1 A-020 SITE PLAN
SCALE: 1/8" = 1'-0"

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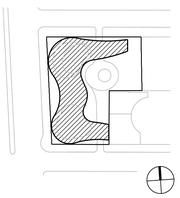

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SCALE: 1/8"=1'-0" PAGE: 19 OF 103

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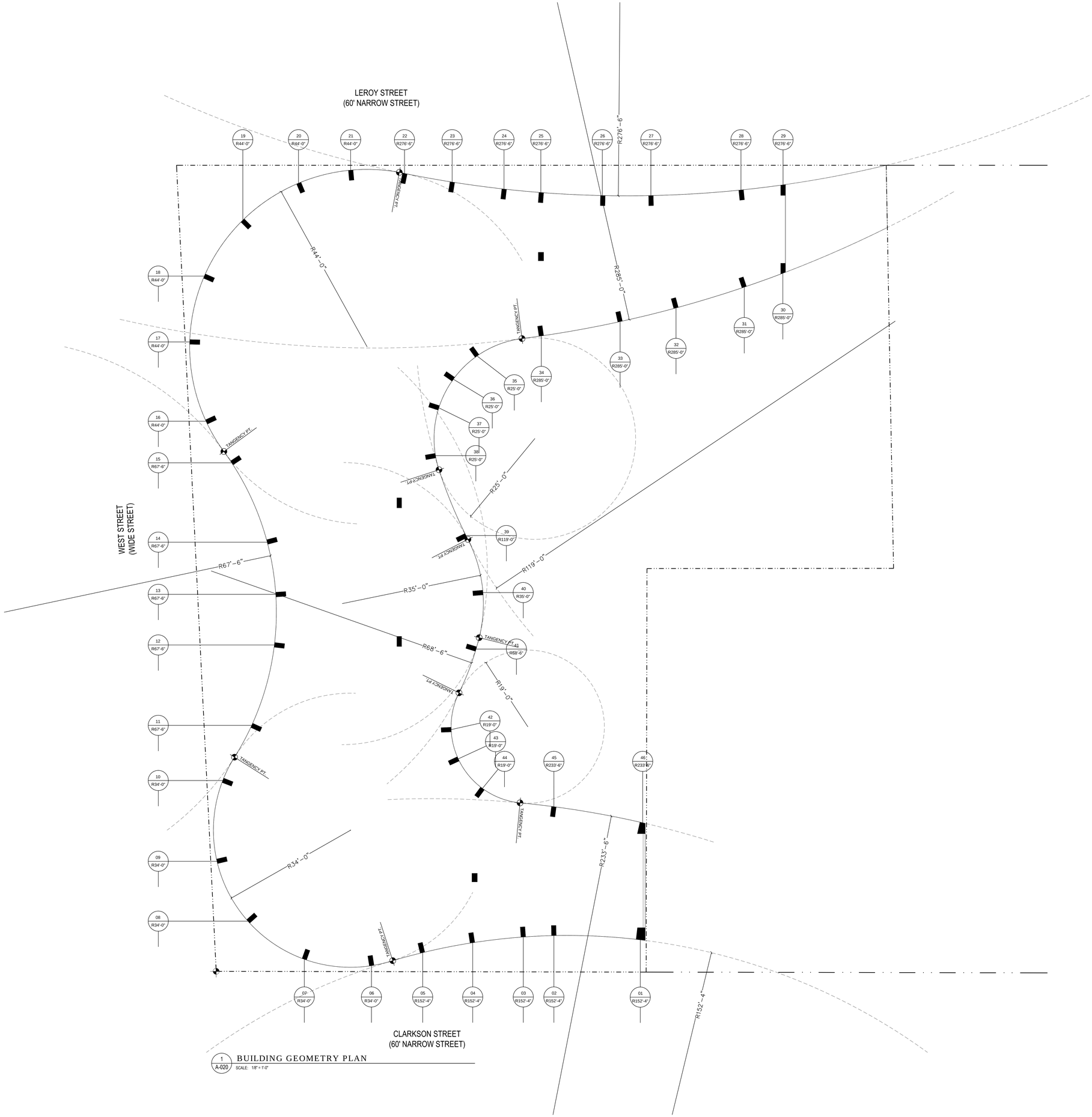
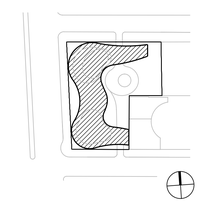


1 A-020 BUILDING GEOMETRY PLAN
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
1	03/04/2015	50% DD PROGRESS SET



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
115 FIFTH AVENUE
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Owner:
160 LEROY LLC
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Civil / Geotechnical / Environmental:
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MEP, FP Engineer:
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Envelop Consultant:
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129 WEST 27TH STREET, 5TH FLOOR
NEW YORK, NY, 212.254.0030

Acoustical Engineer:
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NEW YORK, NY, 212.315.6401

Pool Consultant:
TRACE POOLS DESIGN
333 WESTCHESTER AVE - EAST TERRACE
WHITE PLAINS, NY, 914.495.4290

Vertical Transport Consultant:
VAN DEUSEN & ASSOCIATES
5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

BUILDING GEOMETRY PLAN

SCALE: 1/8"=1'-0" PAGE: OF 103

A-020.00

DOB BSCAN STICKER

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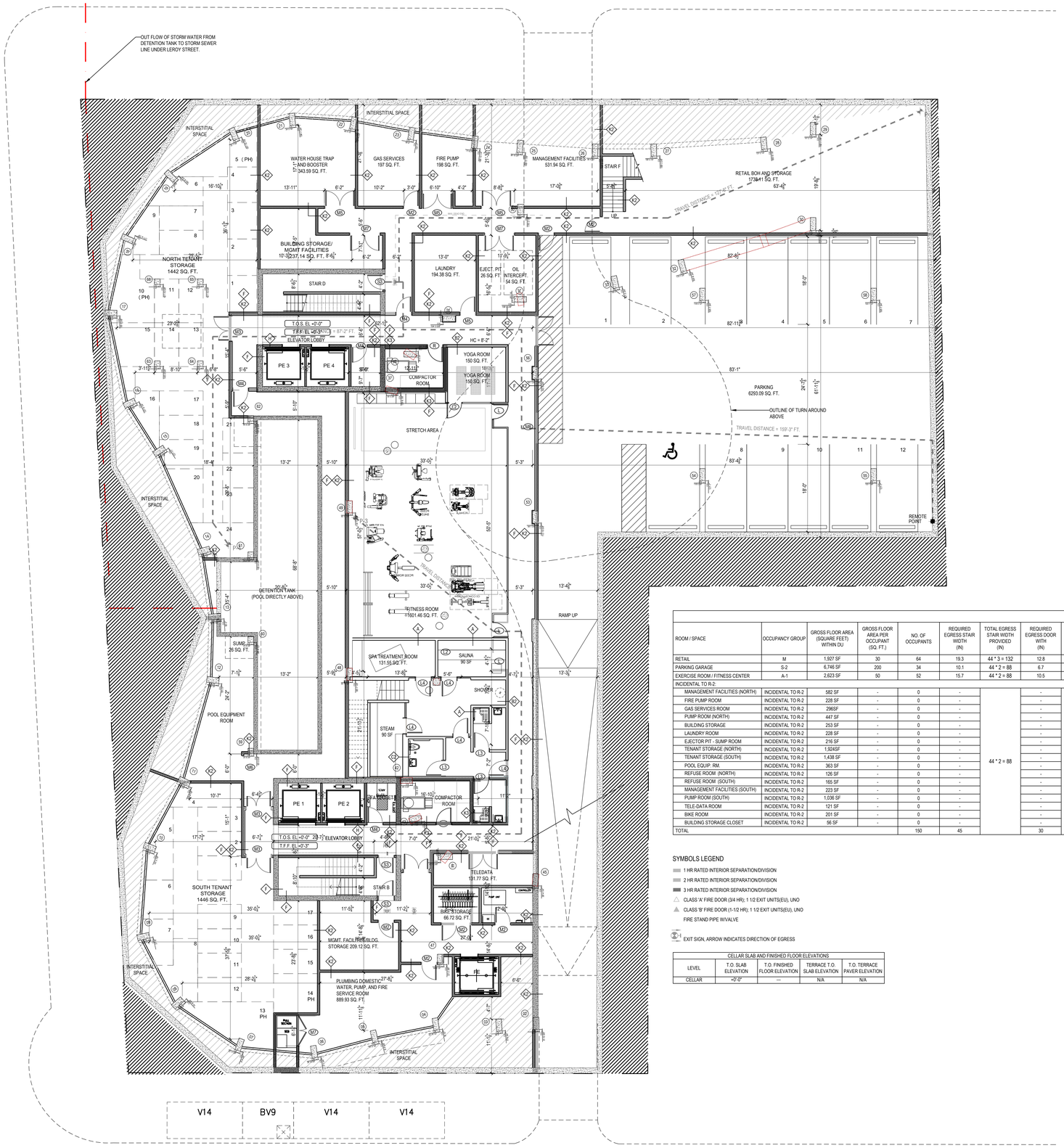

ROOM / SPACE	OCCUPANCY GROUP	GROSS FLOOR AREA (SQUARE FEET) WITHIN DU	GROSS FLOOR AREA PER OCCUPANT (SQ. FT.)	NO. OF OCCUPANTS	REQUIRED EGRESS STAIR WIDTH (IN)	TOTAL EGRESS STAIR WIDTH PROVIDED (IN)	REQUIRED EGRESS DOOR WITH (IN)	TOTAL EGRESS DOOR WIDTH PROVIDED (IN)	MAX. TRAVEL DISTANCE PERMITTED (FT)	MAX TRAVEL DISTANCE PROVIDED (FT)	MAX DEAD END DISTANCE PERMITTED (FT)	MAX DEAD END DISTANCE PROVIDED (FT)
RETAIL	M	1,927 SF	30	64	19.3	44 * 3 = 132	12.8	36 * 3 = 108	200	127'-6"		
PARKING GARAGE	S-2	6,746 SF	200	34	10.1	44 * 2 = 88	6.7	36 * 2 = 72	250	159'-3"	40	
EXERCISE ROOM / FITNESS CENTER	A-1	2,623 SF	50	52	15.7	44 * 2 = 88	10.5	36 * 2 = 72	200	116'-0"		
INCIDENTAL TO R-2:												
MANAGEMENT FACILITIES (NORTH)	INCIDENTAL TO R-2	582 SF	-	0	-	44 * 2 = 88	-	36 * 2 = 72	200		40	45'-1"
FIRE PUMP ROOM	INCIDENTAL TO R-2	228 SF	-	0	-		-					
GAS SERVICES ROOM	INCIDENTAL TO R-2	296SF	-	0	-		-					
PUMP ROOM (NORTH)	INCIDENTAL TO R-2	447 SF	-	0	-		-					
BUILDING STORAGE	INCIDENTAL TO R-2	253 SF	-	0	-		-					
LAUNDRY ROOM	INCIDENTAL TO R-2	228 SF	-	0	-		-					
EJECTOR PIT - SUMP ROOM	INCIDENTAL TO R-2	216 SF	-	0	-		-					
TENANT STORAGE (NORTH)	INCIDENTAL TO R-2	1,024SF	-	0	-		-			87'-2"		
TENANT STORAGE (SOUTH)	INCIDENTAL TO R-2	1,438 SF	-	0	-		-					
POOL EQUIP. RM.	INCIDENTAL TO R-2	363 SF	-	0	-		-					
REFUSE ROOM (NORTH)	INCIDENTAL TO R-2	126 SF	-	0	-		-					
REFUSE ROOM (SOUTH)	INCIDENTAL TO R-2	165 SF	-	0	-		-					
MANAGEMENT FACILITIES (SOUTH)	INCIDENTAL TO R-2	223 SF	-	0	-		-					
PUMP ROOM (SOUTH)	INCIDENTAL TO R-2	1,036 SF	-	0	-		-					
TELE-DATA ROOM	INCIDENTAL TO R-2	121 SF	-	0	-		-					
BIKE ROOM	INCIDENTAL TO R-2	201 SF	-	0	-		-					
BUILDING STORAGE CLOSET	INCIDENTAL TO R-2	56 SF	-	0								
TOTAL				150	45		30					

SYMBOLS LEGEND

- 1 HR RATED INTERIOR SEPARATION/DIVISION
- 2 HR RATED INTERIOR SEPARATION/DIVISION
- 3 HR RATED INTERIOR SEPARATION/DIVISION
- CLASS 'A' FIRE DOOR (3/4 HR); 1 1/2 EXIT UNITS(EU), UNO
- CLASS 'B' FIRE DOOR (1-1/2 HR); 1 1/2 EXIT UNITS(EU), UNO
- FIRE STAND PIPE W/VALVE
- EXIT SIGN, ARROW INDICATES DIRECTION OF EGRESS

CELLAR SLAB AND FINISHED FLOOR ELEVATIONS				
LEVEL	T.O. SLAB ELEVATION	T.O. FINISHED FLOOR ELEVATION	TERRACE T.O. SLAB ELEVATION	T.O. TERRACE PAVER ELEVATION
CELLAR	=0'-0"	---	N/A	N/A

1 / A-100 CELLAR FLOOR PLAN

SCALE: 1/8" = 1'-0"

10' 25' 50'

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/20/2015	DD SUBMISSION 1
1	11/07/2014	100% SD SUBMISSION

KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
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Vertical Transport Consultant:
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LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

CELLAR FLOOR PLAN

SCALE: 1/8"=1'-0" PAGE: 20 OF 103

A-100.00

DOB BSCAN STICKER

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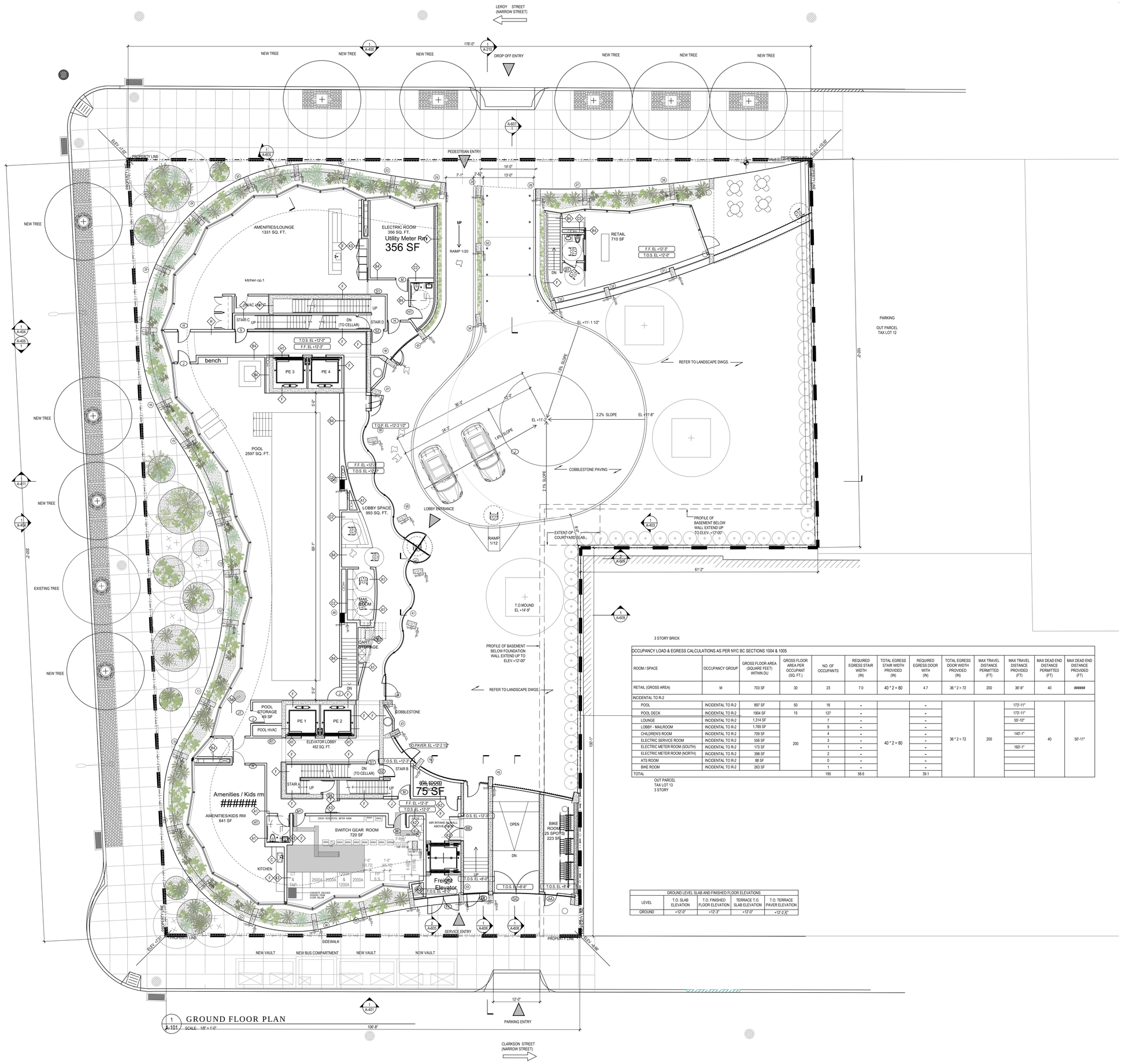

1 A-101 GROUND FLOOR PLAN
SCALE: 1/8" = 1'-0"

3 STORY BRICK

OCCUPANCY LOAD & EGRESS CALCULATIONS AS PER NYC BC SECTIONS 1004 & 1005

ROOM / SPACE	OCCUPANCY GROUP	GROSS FLOOR AREA PER OCCUPANT (SQUARE FEET) WITHIN DU	GROSS FLOOR AREA PER OCCUPANT (SQ. FT.)	NO. OF OCCUPANTS	REQUIRED EGRESS STAIR WIDTH (IN)	TOTAL EGRESS STAIR WIDTH PROVIDED (IN)	REQUIRED EGRESS DOOR WITH (IN)	TOTAL EGRESS DOOR WIDTH PROVIDED (IN)	MAX TRAVEL DISTANCE PERMITTED (FT)	MAX TRAVEL DISTANCE PROVIDED (FT)	MAX DEAD END DISTANCE PERMITTED (FT)	MAX DEAD END DISTANCE PROVIDED (FT)
RETAIL (GROSS AREA)	M	703 SF	30	23	7.0	40 * 2 = 80	4.7	36 * 2 = 72	200	36'-6"	40	######
INCIDENTAL TO R-2												
POOL	INCIDENTAL TO R-2	897 SF	50	18	-		-			173'-11"		
POOL DECK	INCIDENTAL TO R-2	1904 SF	15	127	-		-			173'-11"		
LOUNGE	INCIDENTAL TO R-2	1,314 SF		7	-		-			50'-10"		
LOBBY - MAILROOM	INCIDENTAL TO R-2	1,765 SF		9	-		-					
CHILDREN'S ROOM	INCIDENTAL TO R-2	709 SF		4	-		-			140'-1"		
ELECTRIC SERVICE ROOM	INCIDENTAL TO R-2	556 SF	200	3	-	40 * 2 = 80	-	36 * 2 = 72	200		40	50'-11"
ELECTRIC METER ROOM (SOUTH)	INCIDENTAL TO R-2	173 SF		1	-		-			160'-1"		
ELECTRIC METER ROOM (NORTH)	INCIDENTAL TO R-2	398 SF		2	-		-					
ATS ROOM	INCIDENTAL TO R-2	88 SF		0	-		-					
BIKE ROOM	INCIDENTAL TO R-2	263 SF		1	-		-					
TOTAL				195	58.6		39.1					

OUT PARCEL
TAX LOT 13
3 STORY

GROUND LEVEL SLAB AND FINISHED FLOOR ELEVATIONS

LEVEL	T.O. SLAB ELEVATION	T.O. FINISHED FLOOR ELEVATION	TERRACE T.O. SLAB ELEVATION	T.O. TERRACE PAVER ELEVATION
GROUND	+12'-0"	+12'-3"	+12'-0"	+12'-2 1/2"

NO.	DATE	REVISION
5	03/04/2015	50% DD PROGRESS SET
4	02/13/2015	FOUNDATION FILING SET
3	01/20/2015	DD SUBMISSION 1
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION

KEY PLAN

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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

FIRST FLOOR PLAN

SCALE: 1/8"=1'-0" PAGE: 21 OF 103

A-101.00

DOB BSCAN STICKER

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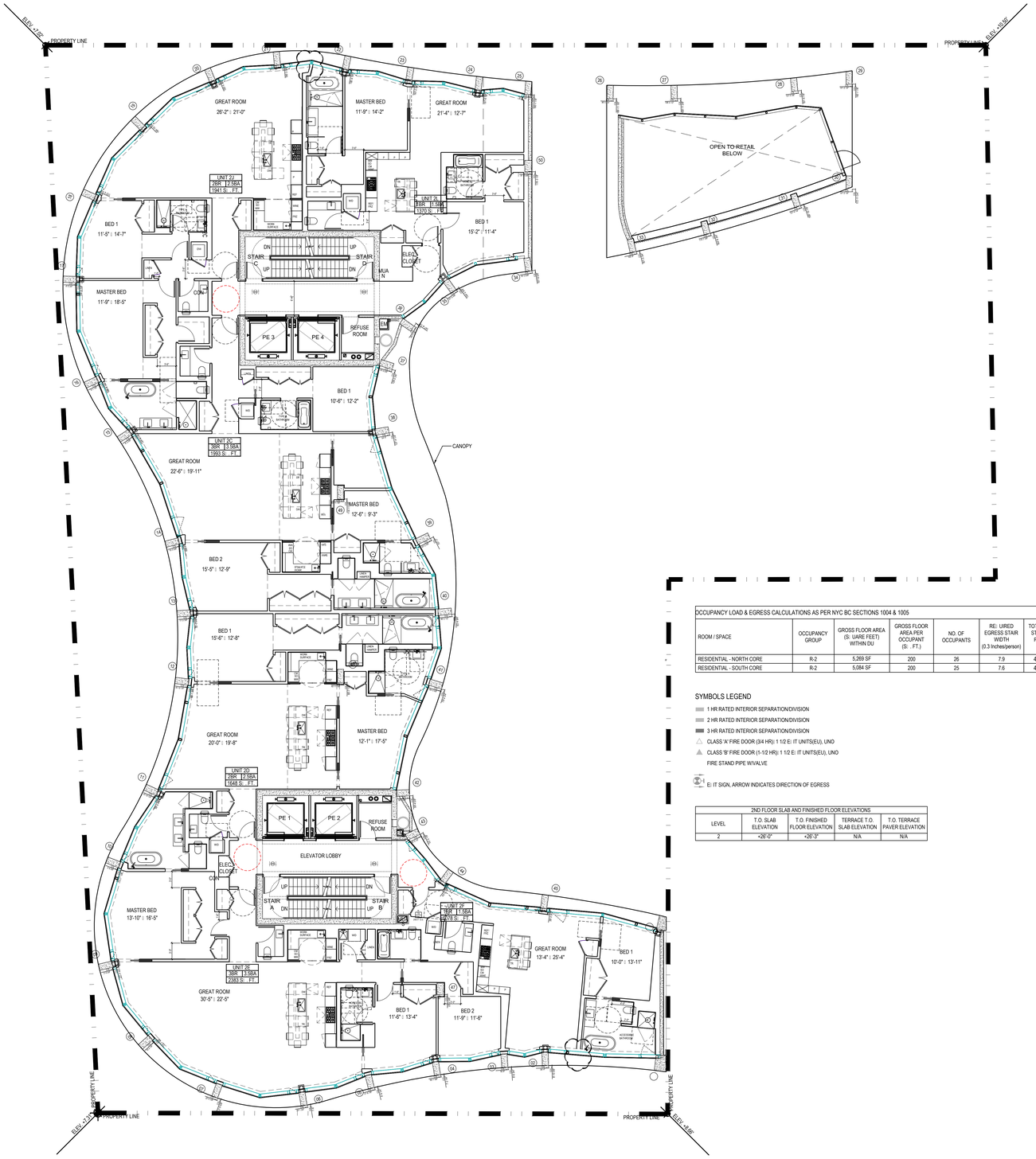


OCCUPANCY LOAD & EGRESS CALCULATIONS AS PER NYC BC SECTIONS 1004 & 1005											
ROOM / SPACE	OCCUPANCY GROUP	GROSS FLOOR AREA (S: UARE FEET) WITHIN DU	GROSS FLOOR AREA PER OCCUPANT (S: . FT.)	NO. OF OCCUPANTS	RE: UIRED EGRESS STAIR WIDTH (0.3 Inches/person)	TOTAL EGRESS STAIR WIDTH PROVIDED (IN)	RE: UIRED EGRESS DOOR WITH (0.2 Inches/person)	TOTAL EGRESS DOOR WIDTH PROVIDED (IN)	MA: TRAVEL DISTANCE PERMITTED (FT)	MA: TRAVEL DISTANCE PROVIDED (FT)	MA: DEAD END DISTANCE PERMITTED (FT)	MA: DEAD END DISTANCE PROVIDED (FT)
RESIDENTIAL - NORTH CORE	R-2	5,269 SF	200	26	7.9	44 | 2 = 88	5.3	36 | 2 = 72	200	85'-8"	40	12'-4"
RESIDENTIAL - SOUTH CORE	R-2	5,084 SF	200	25	7.6	44 | 2 = 88	5.1	36 | 2 = 72	200	72'-11"	40	12'-4"

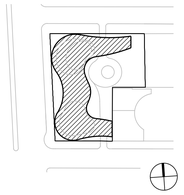
SYMBOLS LEGEND

- 1 HR RATED INTERIOR SEPARATION/DIVISION
- 2 HR RATED INTERIOR SEPARATION/DIVISION
- 3 HR RATED INTERIOR SEPARATION/DIVISION
- CLASS 'A' FIRE DOOR (3/4 HR)\| 1 1/2 E\| IT UNITS(EU), UNO
- CLASS 'B' FIRE DOOR (1-1/2 HR)\| 1 1/2 E\| IT UNITS(EU), UNO
- FIRE STAND PIPE W/VALVE
- E\| IT SIGN, ARROW INDICATES DIRECTION OF EGRESS

2ND FLOOR SLAB AND FINISHED FLOOR ELEVATIONS				
LEVEL	T.O. SLAB ELEVATION	T.O. FINISHED FLOOR ELEVATION	TERRACE T.O. SLAB ELEVATION	T.O. TERRACE PAVER ELEVATION
2	+26'-0"	+26'-3"	N/A	N/A

1 / A-102 SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
5	03/04/2015	50% DD PROGRESS SET
4	02/13/2015	FOUNDATION FILING SET
3	01/20/2015	DD SUBMISSION 1
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

SECOND FLOOR PLAN

SCALE: 1/8"=1'-0" PAGE: 22 OF 103

A-102.00

DOB BSCAN STICKER

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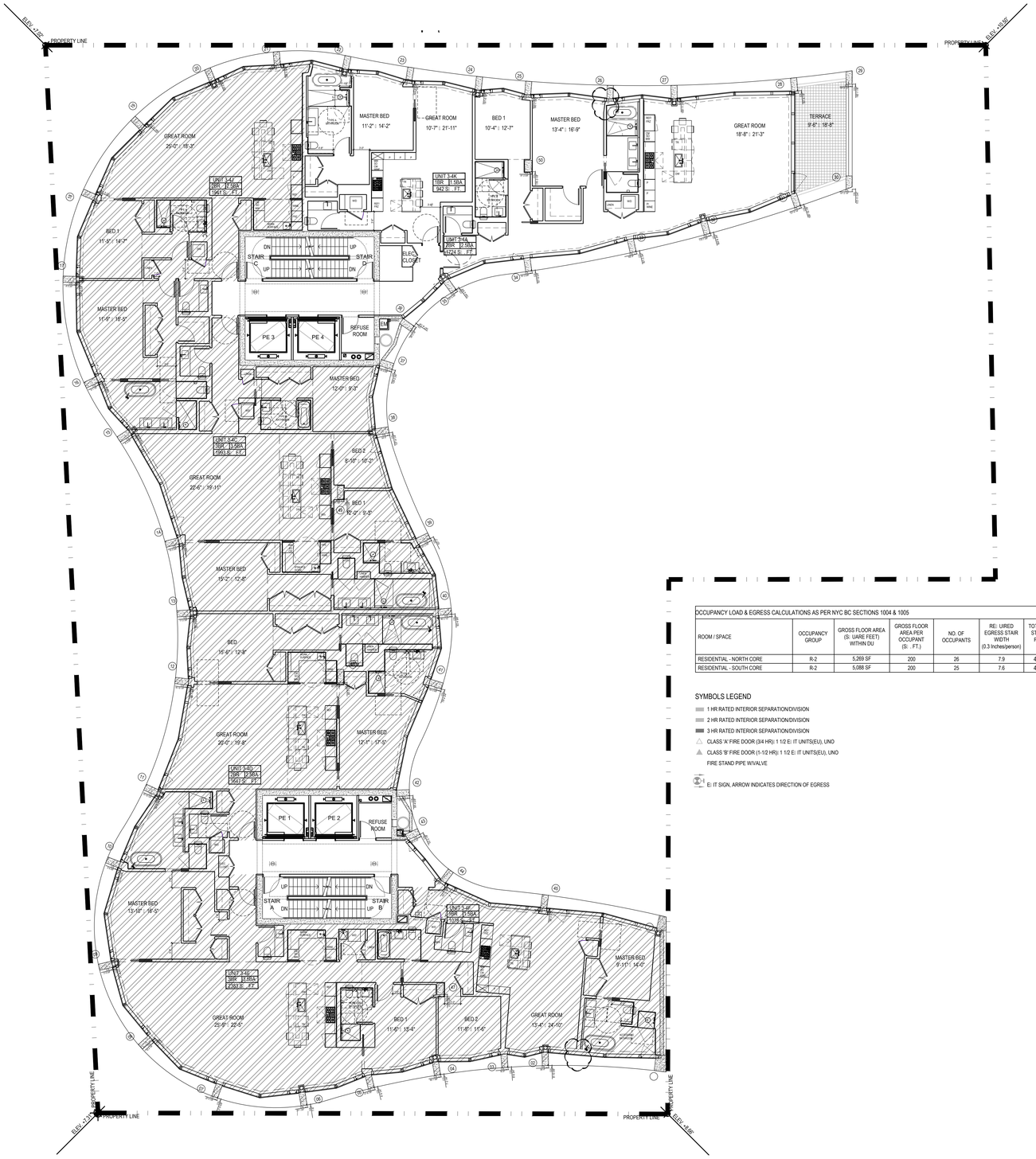


1 / A-103 THIRD-FOURTH FLOOR PLANS

SCALE: 1/8" = 1'-0"

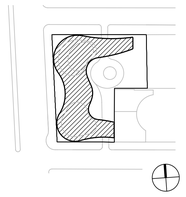
OCCUPANCY LOAD & EGRESS CALCULATIONS AS PER NYC BC SECTIONS 1004 & 1005

ROOM / SPACE	OCCUPANCY GROUP	GROSS FLOOR AREA (S: UARE FEET) WITHIN DU	GROSS FLOOR AREA PER OCCUPANT (S: . FT.)	NO. OF OCCUPANTS	RE: UIRED EGRESS STAIR WIDTH (0.3 Inches/person)	TOTAL EGRESS STAIR WIDTH PROVIDED (IN)	RE: UIRED EGRESS DOOR WITH (0.2 Inches/person)	TOTAL EGRESS DOOR WIDTH PROVIDED (IN)	MA: TRAVEL DISTANCE PERMITTED (FT)	MA: TRAVEL DISTANCE PROVIDED (FT)	MA: DEAD END DISTANCE PERMITTED (FT)	MA: DEAD END DISTANCE PROVIDED (FT)
RESIDENTIAL - NORTH CORE	R-2	5,269 SF	200	26	7.9	44 : 2 = 88	5.3	36 : 2 = 72	200	102'-1"	40	10'-9"
RESIDENTIAL - SOUTH CORE	R-2	5,088 SF	200	25	7.6	44 : 2 = 88	5.1	36 : 2 = 72	200	72'-10"	40	12'-4"

SYMBOLS LEGEND

- 1 HR RATED INTERIOR SEPARATION/DIVISION
- 2 HR RATED INTERIOR SEPARATION/DIVISION
- 3 HR RATED INTERIOR SEPARATION/DIVISION
- CLASS 'A' FIRE DOOR (3/4 HR): 1 1/2 E: IT UNITS(EU), UNO
- CLASS 'B' FIRE DOOR (1-1/2 HR): 1 1/2 E: IT UNITS(EU), UNO
- FIRE STAND PIPE W/VALVE
- E: IT SIGN, ARROW INDICATES DIRECTION OF EGRESS

NO.	DATE	REVISION
5	03/04/2015	50% DD PROGRESS SET
4	02/13/2015	FOUNDATION FILING SET
3	01/20/2015	DD SUBMISSION 1
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

THIRD-FOURTH FLOOR PLANS

SCALE: 1/8"=1'-0" PAGE: 23 OF 103

A-103.00

DOB BSCAN STICKER

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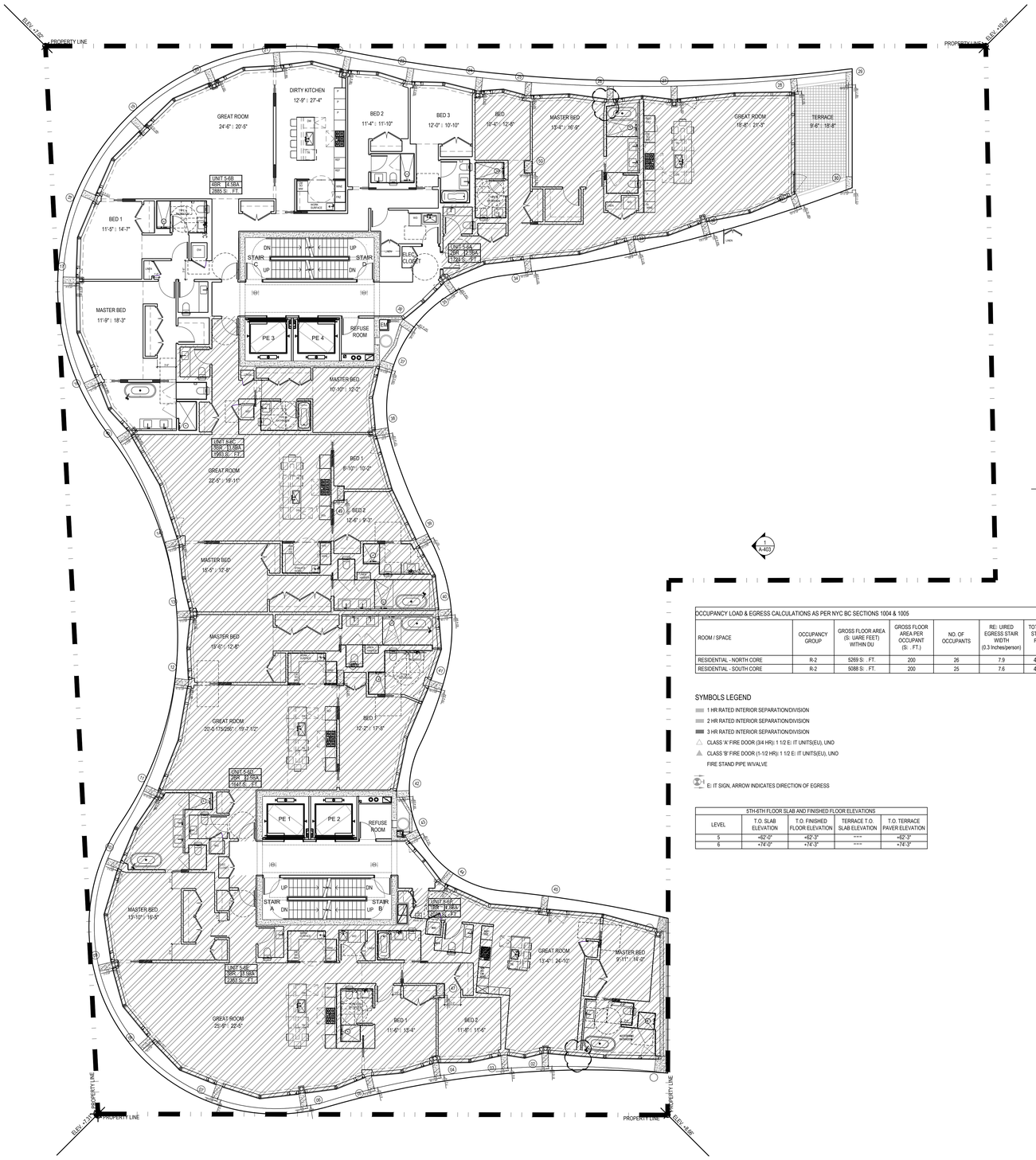

1 FIFTH-SIXTH FLOOR PLANS
A-104 SCALE: 1/8" = 1'-0"

OCCUPANCY LOAD & EGRESS CALCULATIONS AS PER NYC BC SECTIONS 1004 & 1005

ROOM / SPACE	OCCUPANCY GROUP	GROSS FLOOR AREA (S: UARE FEET) WITHIN DU	GROSS FLOOR AREA PER OCCUPANT (S: . FT.)	NO. OF OCCUPANTS	RE: UIRED EGRESS STAIR WIDTH (0.3 Inches/person)	TOTAL EGRESS STAIR WIDTH PROVIDED (IN)	RE: UIRED EGRESS DOOR WITH (0.2 Inches/person)	TOTAL EGRESS DOOR WIDTH PROVIDED (IN)	MA: TRAVEL DISTANCE PERMITTED (FT)	MA: TRAVEL DISTANCE PROVIDED (FT)	MA: DEAD END DISTANCE PERMITTED (FT)	MA: DEAD END DISTANCE PROVIDED (FT)
RESIDENTIAL - NORTH CORE	R-2	5269 S: . FT.	200	26	7.9	44 : 2 = 88	5.3	36 : 2 = 72	200	98'-4"	40	17'-1"
RESIDENTIAL - SOUTH CORE	R-2	5088 S: . FT.	200	25	7.6	44 : 2 = 88	5.1	36 : 2 = 72	200	75'-3"	40	13'-0"

SYMBOLS LEGEND

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- 2 HR RATED INTERIOR SEPARATION/DIVISION
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- CLASS 'B' FIRE DOOR (1-1/2 HR): 1 1/2 E: IT UNITS(EU), UNO
- FIRE STAND PIPE W/VALVE
- E: IT SIGN, ARROW INDICATES DIRECTION OF EGRESS

5TH-6TH FLOOR SLAB AND FINISHED FLOOR ELEVATIONS				
LEVEL	T.O. SLAB ELEVATION	T.O. FINISHED FLOOR ELEVATION	TERRACE T.O. SLAB ELEVATION	T.O. TERRACE PAVER ELEVATION
5	+62'-0"	+62'-3"	----	+62'-3"
6	+74'-0"	+74'-3"	----	+74'-3"

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/20/2015	DD SUBMISSION 1
1	11/07/2014	100% SD SUBMISSION

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160 LEROY LLC
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Design Consultant:
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MEP, FP Engineer:
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Envelop Consultant:
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NEW YORK, NY, 212.254.0030

Acoustical Engineer:
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Pool Consultant:
TRACE POOLS DESIGN
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WHITE PLAINS, NY, 914.495.4290

Vertical Transport Consultant:
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LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

FIFTH-SIXTH FLOOR PLANS

SCALE: 1/8"=1'-0" PAGE: 24 OF 103

A-104.00

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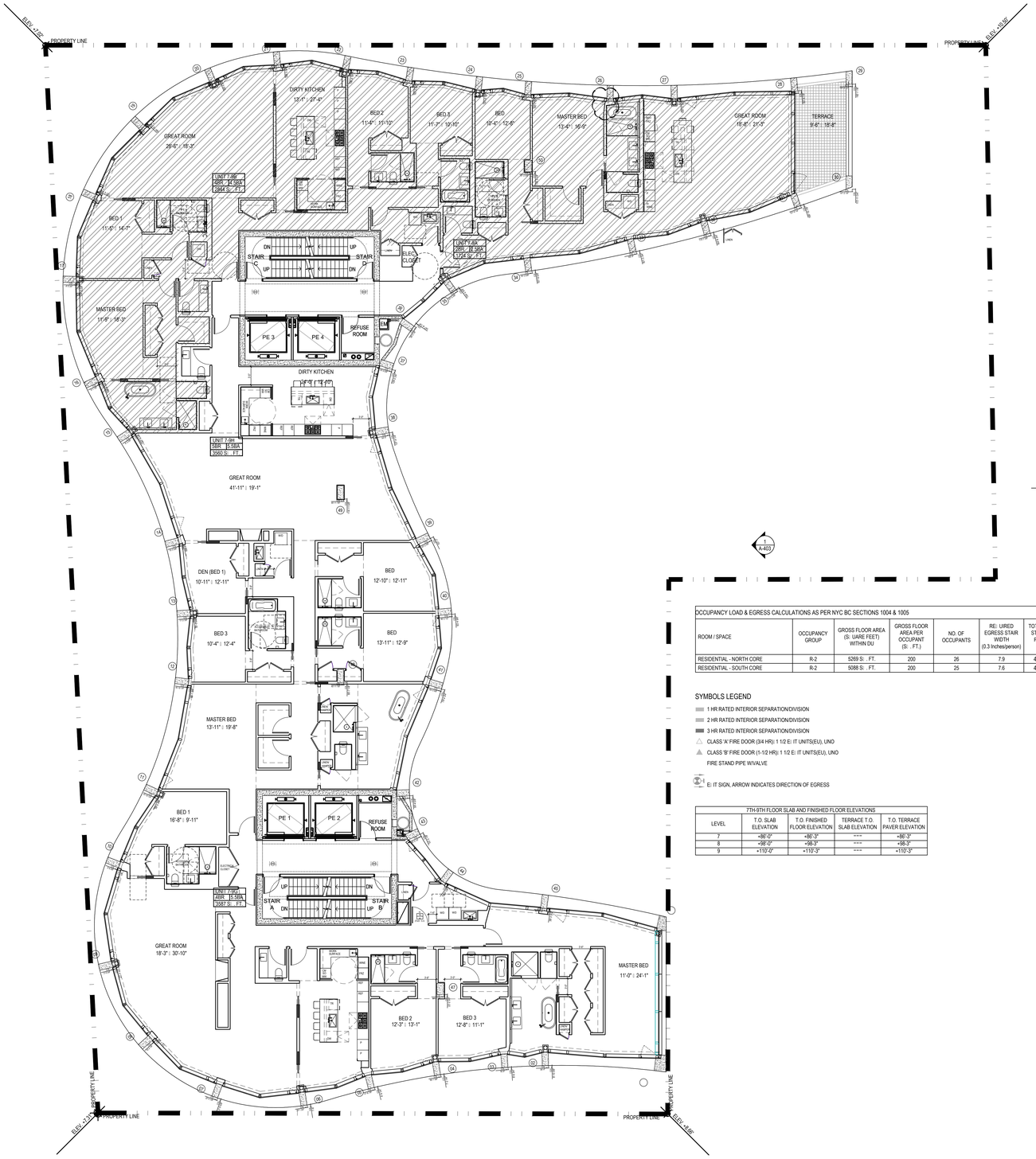

OCCUPANCY LOAD & EGRESS CALCULATIONS AS PER NYC BC SECTIONS 1004 & 1005												
ROOM / SPACE	OCCUPANCY GROUP	GROSS FLOOR AREA PER OCCUPANT (S: UARE FEET) WITHIN DU	GROSS FLOOR AREA PER OCCUPANT (S: , FT.)	NO. OF OCCUPANTS	RE: UIRED EGRESS STAIR WIDTH (0.3 Inches/person)	TOTAL EGRESS STAIR WIDTH PROVIDED (IN)	RE: UIRED EGRESS DOOR WITH (0.2 Inches/person)	TOTAL EGRESS DOOR WIDTH PROVIDED (IN)	MA: TRAVEL DISTANCE PERMITTED (FT)	MA: TRAVEL DISTANCE PROVIDED (FT)	MA: DEAD END DISTANCE PERMITTED (FT)	MA: DEAD END DISTANCE PROVIDED (FT)
RESIDENTIAL - NORTH CORE	R-2	5269 S: , FT.	200	26	7.9	44 | 2 = 88	5.3	36 | 2 = 72	200	140'-0"	40	10'-9"
RESIDENTIAL - SOUTH CORE	R-2	5088 S: , FT.	200	25	7.6	44 | 2 = 88	5.1	36 | 2 = 72	200	78'-2"	40	6'-1"

SYMBOLS LEGEND

- 1 HR RATED INTERIOR SEPARATION/DIVISION
- 2 HR RATED INTERIOR SEPARATION/DIVISION
- 3 HR RATED INTERIOR SEPARATION/DIVISION
- CLASS 'A' FIRE DOOR (3/4 HR): 1 1/2 E: IT UNITS(EU), UNO
- CLASS 'B' FIRE DOOR (1-1/2 HR): 1 1/2 E: IT UNITS(EU), UNO
- FIRE STAND PIPE W/VALVE
- E: IT SIGN, ARROW INDICATES DIRECTION OF EGRESS

7TH-9TH FLOOR SLAB AND FINISHED FLOOR ELEVATIONS				
LEVEL	T.O. SLAB ELEVATION	T.O. FINISHED FLOOR ELEVATION	TERRACE T.O. SLAB ELEVATION	T.O. TERRACE PAVER ELEVATION
7	+86'-0"	+86'-3"	~~~	+86'-3"
8	+98'-0"	+98'-3"	~~~	+98'-3"
9	+110'-0"	+110'-3"	~~~	+110'-3"

1 A-105 SEVENTH-NINTH FLOOR PLAN
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/20/2015	DD SUBMISSION 1
1	11/07/2014	100% SD SUBMISSION

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Vertical Transport Consultant:
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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

SEVENTH-NINTH FLOOR PLANS

SCALE: 1/8"=1'-0" PAGE: 25 OF 103

A-105.00

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1 A-106 **TENTH-ELEVENTH FLOOR PLAN**

SCALE: 1/8" = 1'-0"

OCCUPANCY LOAD & EGRESS CALCULATIONS AS PER NYC BC SECTIONS 1004 & 1005												
ROOM / SPACE	OCCUPANCY GROUP	GROSS FLOOR AREA (SQUARE FEET) WITHIN DU	GROSS FLOOR AREA PER OCCUPANT (SQ. FT.)	NO. OF OCCUPANTS	REQUIRED EGRESS STAIR WIDTH (0.3 Inches/person)	TOTAL EGRESS STAIR WIDTH PROVIDED (IN)	REQUIRED EGRESS DOOR WITH (0.2 Inches/person)	TOTAL EGRESS DOOR WIDTH PROVIDED (IN)	MAX TRAVEL DISTANCE PERMITTED (FT)	MAX TRAVEL DISTANCE PROVIDED (FT)	MAX DEAD END DISTANCE PERMITTED (FT)	MAX DEAD END DISTANCE PROVIDED (FT)
RESIDENTIAL - NORTH CORE	R-2	5269 SQ. FT.	200	26	7.9	44 " 2 = 88	5.3	36 " 2 = 72	200	107'-3"	40	4'-10"
RESIDENTIAL - SOUTH CORE	R-2	5088 SQ. FT.	200	25	7.6	44 " 2 = 88	5.1	36 " 2 = 72	200	82'-10"	40	6'-1"

SYMBOLS LEGEND

- 1 HR RATED INTERIOR SEPARATION/DIVISION
- 2 HR RATED INTERIOR SEPARATION/DIVISION
- 3 HR RATED INTERIOR SEPARATION/DIVISION
- CLASS 'A' FIRE DOOR (3/4 HR); 1 1/2 EXIT UNITS(EU), UNO
- CLASS 'B' FIRE DOOR (1-1/2 HR); 1 1/2 EXIT UNITS(EU), UNO
- FIRE STAND PIPE W/VALVE
- EXIT SIGN, ARROW INDICATES DIRECTION OF EGRESS

10TH-11TH FLOOR SLAB AND FINISHED FLOOR ELEVATIONS				
LEVEL	T.O. SLAB ELEVATION	T.O. FINISHED FLOOR ELEVATION	TERRACE T.O. SLAB ELEVATION	T.O. TERRACE PAVER ELEVATION
10	+122'-0"	+122'-3"	~~~	+122'-3"
11	+137'-0"	+137'-3"	~~~	+137'-3"

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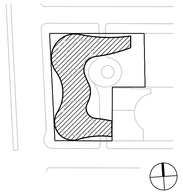
NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/20/2015	DD SUBMISSION 1
1	11/07/2014	100% SD SUBMISSION



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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

TENTH-ELEVENTH FLOOR PLANS

SCALE: 1/8"=1'-0" PAGE: 26 OF 103

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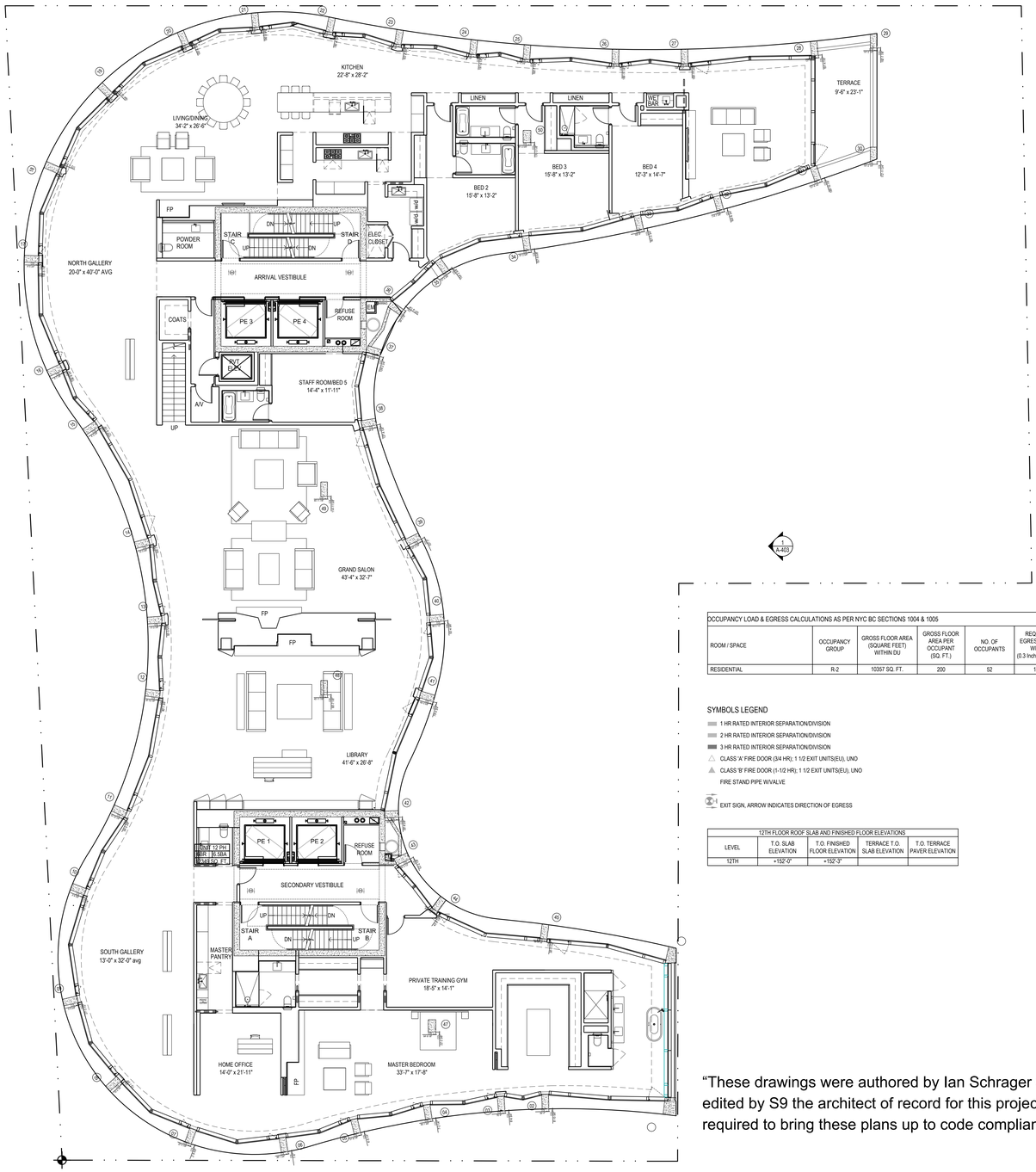

1 A-107 TWELFTH FLOOR PLAN
SCALE: 1/8" = 1'-0"

OCCUPANCY LOAD & EGRESS CALCULATIONS AS PER NYC BC SECTIONS 1004 & 1005

ROOM / SPACE	OCCUPANCY GROUP	GROSS FLOOR AREA (SQUARE FEET) WITHIN DU	GROSS FLOOR AREA PER OCCUPANT (SQ. FT.)	NO. OF OCCUPANTS	REQUIRED EGRESS STAIR WIDTH (0.3 Inches/person)	TOTAL EGRESS STAIR WIDTH PROVIDED (IN)	REQUIRED EGRESS DOOR WITH (0.2 Inches/person)	TOTAL EGRESS DOOR WIDTH PROVIDED (IN)	MAX TRAVEL DISTANCE PERMITTED (FT)	MAX TRAVEL DISTANCE PROVIDED (FT)	MAX DEAD END DISTANCE PERMITTED (FT)	MAX DEAD END DISTANCE PROVIDED (FT)
RESIDENTIAL	R-2	10357 SQ. FT.	200	52	15.5	44 * 2 = 88	10.4	36 * 2 = 72	200	135'-5"	40	4'-10"

SYMBOLS LEGEND

- 1 HR RATED INTERIOR SEPARATION/DIVISION
- 2 HR RATED INTERIOR SEPARATION/DIVISION
- 3 HR RATED INTERIOR SEPARATION/DIVISION
- CLASS 'A' FIRE DOOR (3/4 HR); 1 1/2 EXIT UNITS(EU), UNO
- CLASS 'B' FIRE DOOR (1-1/2 HR); 1 1/2 EXIT UNITS(EU), UNO
- FIRE STAND PIPE W/VALVE
- EXIT SIGN, ARROW INDICATES DIRECTION OF EGRESS

12TH FLOOR ROOF SLAB AND FINISHED FLOOR ELEVATIONS				
LEVEL	T.O. SLAB ELEVATION	T.O. FINISHED FLOOR ELEVATION	TERRACE T.O. SLAB ELEVATION	T.O. TERRACE PAVER ELEVATION
12TH	+152'-0"	+152'-3"		

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NO.	DATE	REVISION
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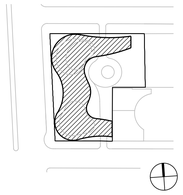
3	02/13/2015	FOUNDATION FILING SET
2	01/20/2015	DD SUBMISSION 1
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

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PROJECT TITLE:
160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:
TWELFTH FLOOR PLAN

SCALE: 1/8"=1'-0" PAGE: 27 OF 103

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DOB BSCAN STICKER

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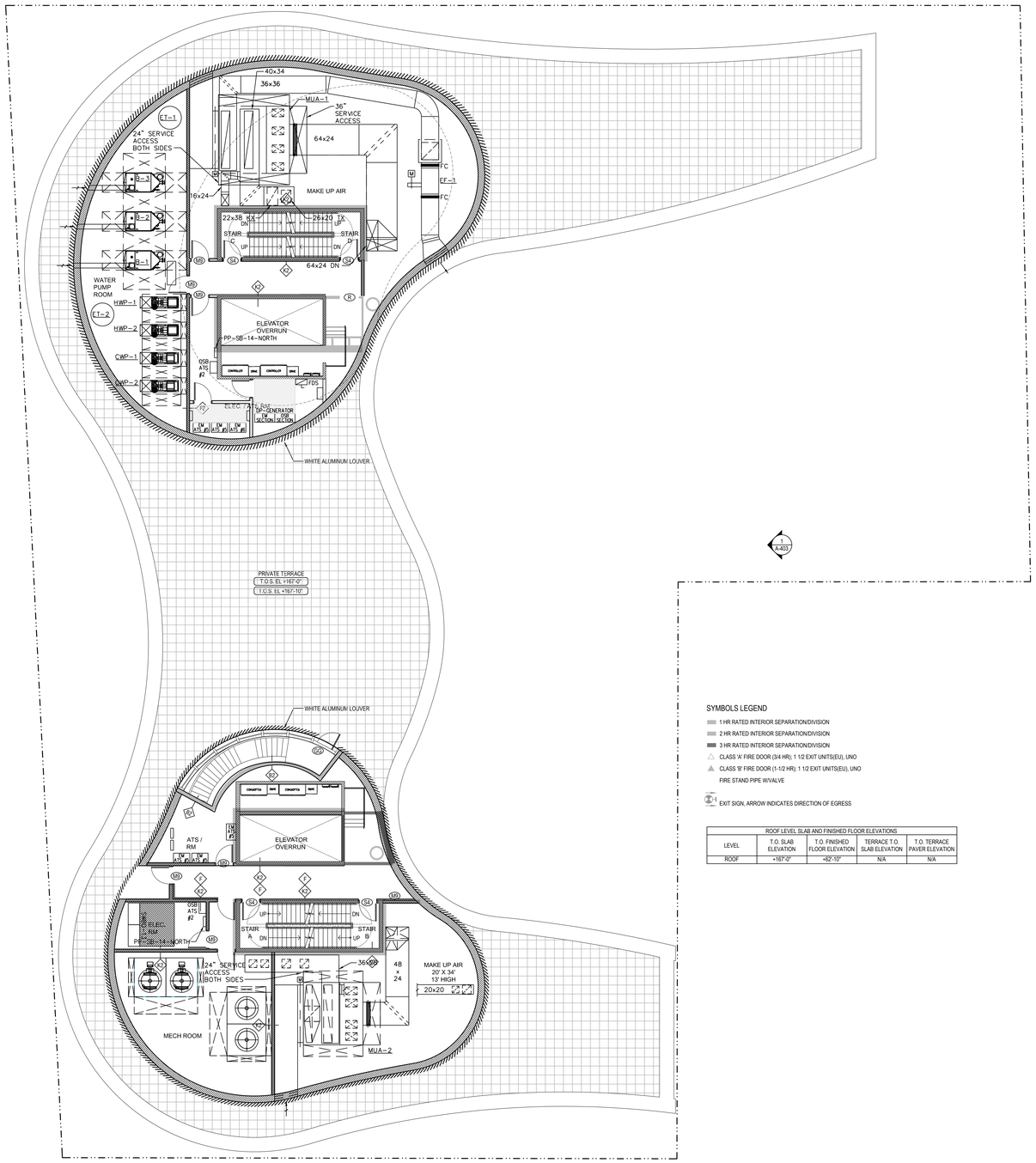

SYMBOLS LEGEND

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- 2 HR RATED INTERIOR SEPARATION/DIVISION
- 3 HR RATED INTERIOR SEPARATION/DIVISION
- CLASS 'A' FIRE DOOR (3/4 HR); 1 1/2 EXIT UNITS(EU), UNO
- CLASS 'B' FIRE DOOR (1-1/2 HR); 1 1/2 EXIT UNITS(EU), UNO
- FIRE STAND PIPE W/VALVE
- EXIT SIGN, ARROW INDICATES DIRECTION OF EGRESS

ROOF LEVEL SLAB AND FINISHED FLOOR ELEVATIONS				
LEVEL	T.O. SLAB ELEVATION	T.O. FINISHED FLOOR ELEVATION	TERRACE T.O. SLAB ELEVATION	T.O. TERRACE PAVER ELEVATION
ROOF	+167'-0"	+6Z-10"	N/A	N/A

1 A-108 ROOF PLAN
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/20/2015	DD SUBMISSION 1
1	11/07/2014	100% SD SUBMISSION

KEY PLAN

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PROJECT TITLE:
160 LEROY STREET

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PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:
ROOF PLAN

SCALE: 1/8"=1'-0" PAGE: 28 OF 103

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DOB BSCAN STICKER

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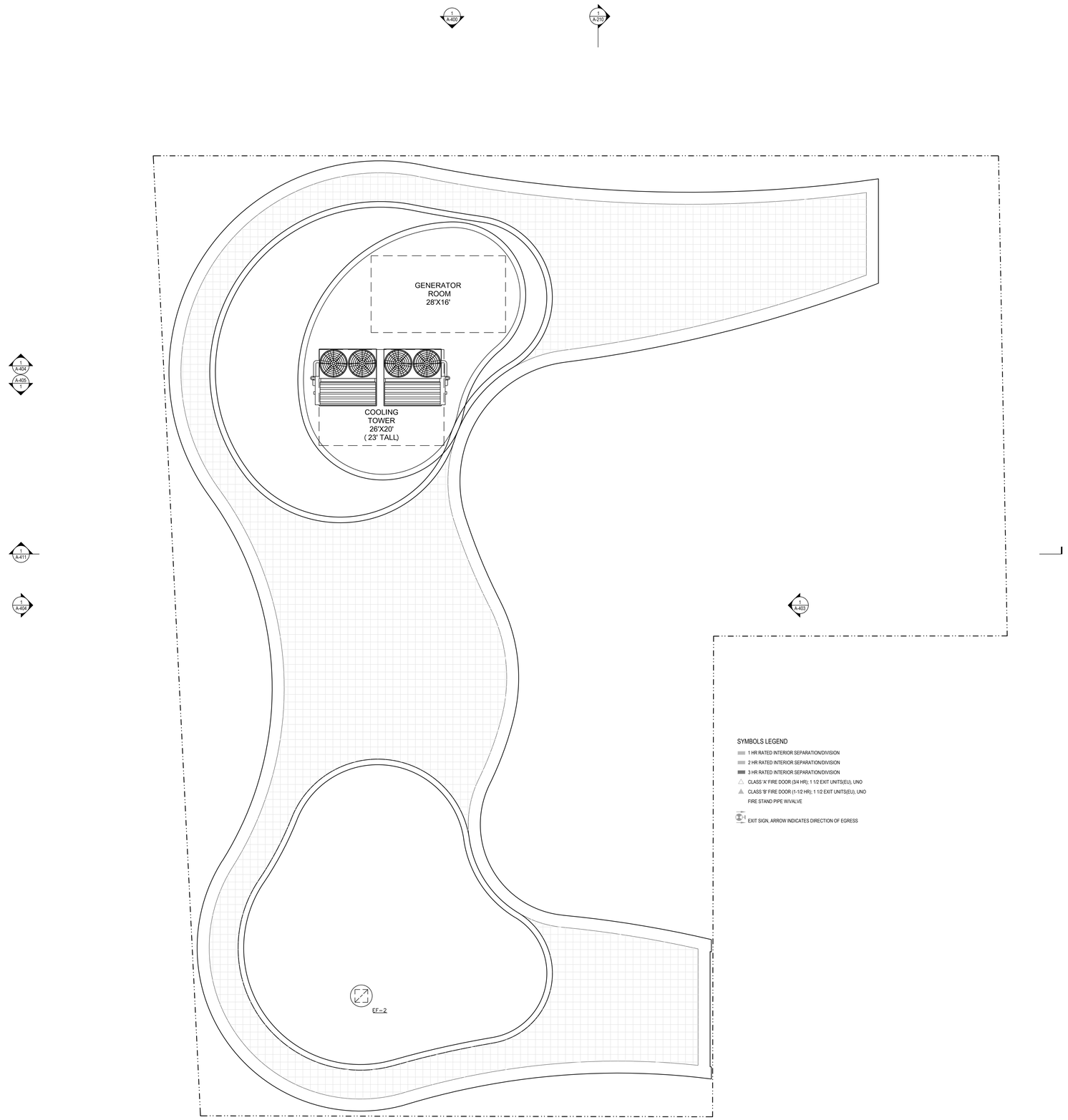

SYMBOLS LEGEND

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- 2 HR RATED INTERIOR SEPARATION/DIVISION
- 3 HR RATED INTERIOR SEPARATION/DIVISION
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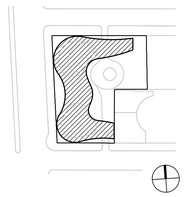
- CLASS 'B' FIRE DOOR (1-1/2 HR); 1 1/2 EXIT UNITS(EU), UNO
- FIRE STAND PIPE W/VALVE
- EXIT SIGN, ARROW INDICATES DIRECTION OF EGRESS

1 / A-109 BULKHEAD PLAN

SCALE: 1/8" = 1'-0"

1 / A-401

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/20/2015	DD SUBMISSION 1
1	11/07/2014	100% SD SUBMISSION



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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

BULKHEAD PLAN

SCALE: 1/8"=1'-0" PAGE: 29 OF 103

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DOB BSCAN STICKER

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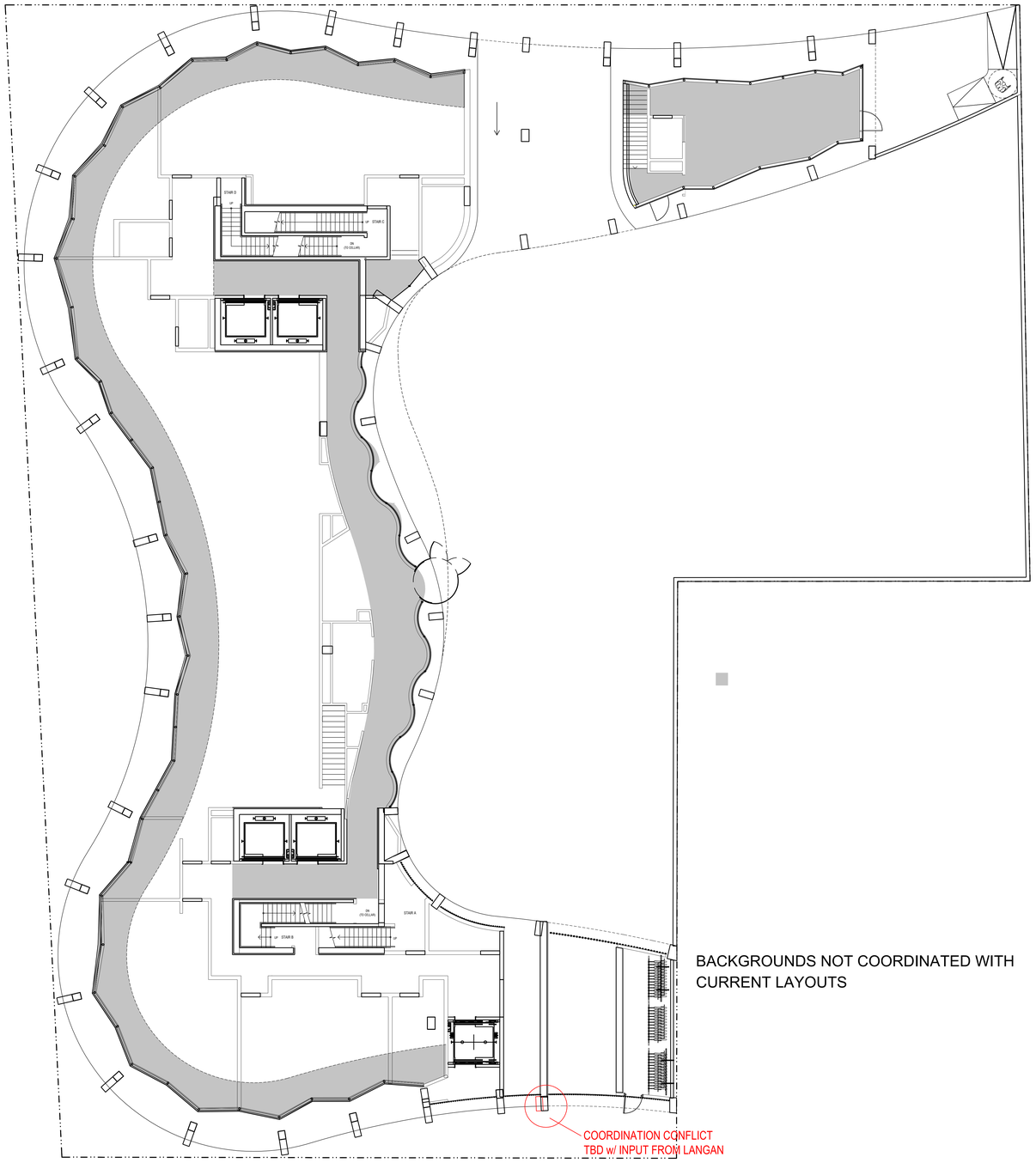
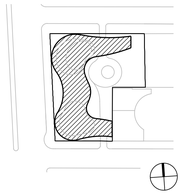


LOBBY

NO.	DATE	REVISION
1	03/04/2015	50% DD PROGRESS SET



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160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

REFLECTED CEILING PLAN GROUND LEVEL

SCALE: PAGE: XX OF 103

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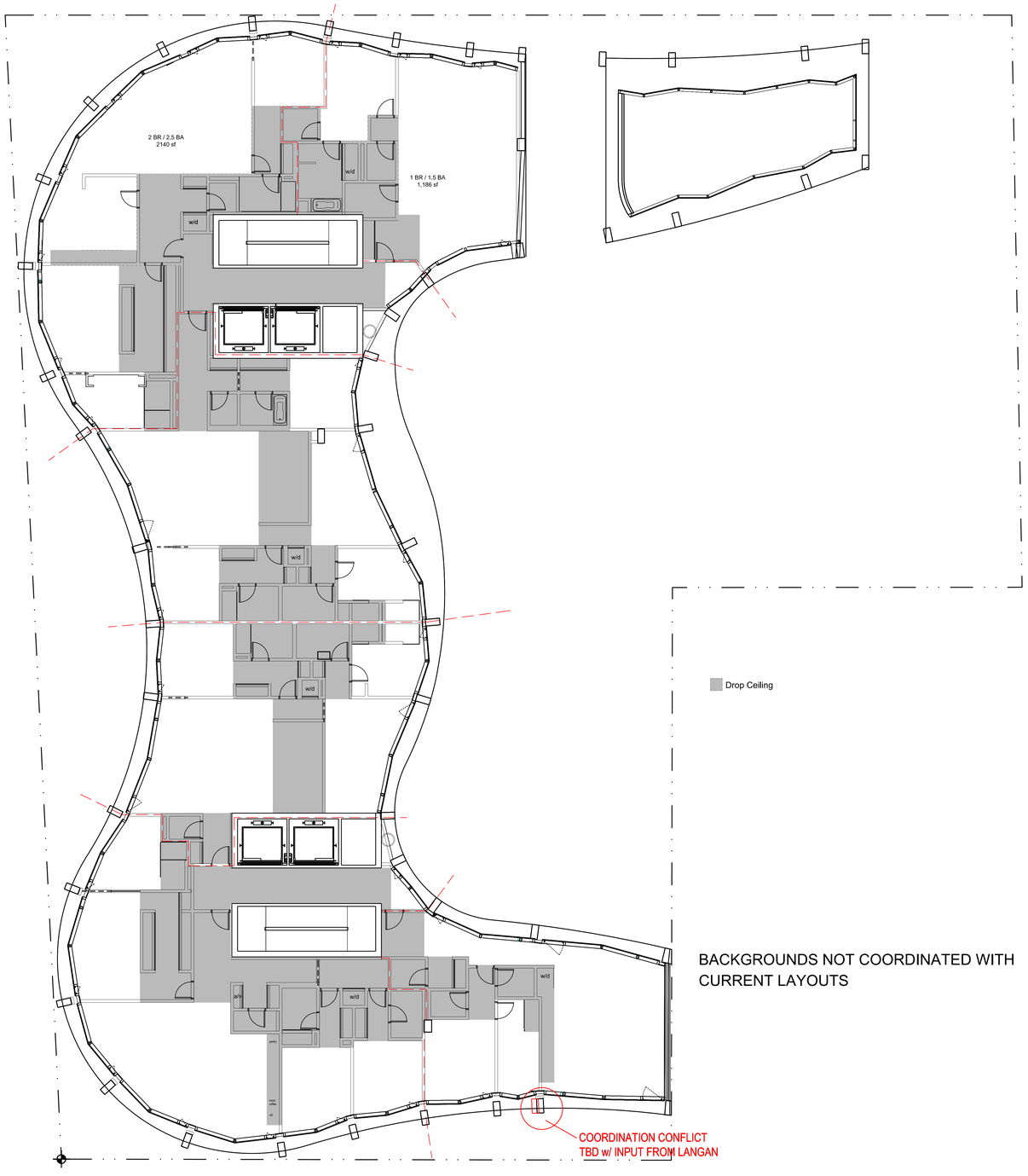
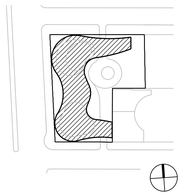


BACKGROUNDS NOT COORDINATED WITH
CURRENT LAYOUTS

TYPICAL FLOOR 2
UNCOORDINATED RCP

NO.	DATE	REVISION
1	03/04/2015	50% DD PROGRESS SET



KEY PLAN

S9 an affiliate of
Perkins Eastman Architects, PC
115 FIFTH AVENUE
NEW YORK, NY 10003
T. 212.353.7900
F. 212.353.7674

Owner:

160 LEROY LLC
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NEW YORK, NY, 212.479.5405

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MEP, FP Engineer:

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NEW YORK, NY, 212.254.0030

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Pool Consultant:

TRACE POOLS DESIGN
333 WESTCHESTER AVE - EAST TERRACE
WHITE PLAINS, NY, 914.495.4290

Vertical Transport Consultant:

VAN DEUSEN & ASSOCIATES
5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

REFLECTED
CEILING PLAN
2ND LEVEL

SCALE: PAGE: XX OF 103

A-202.00

DOB BSCAN STICKER

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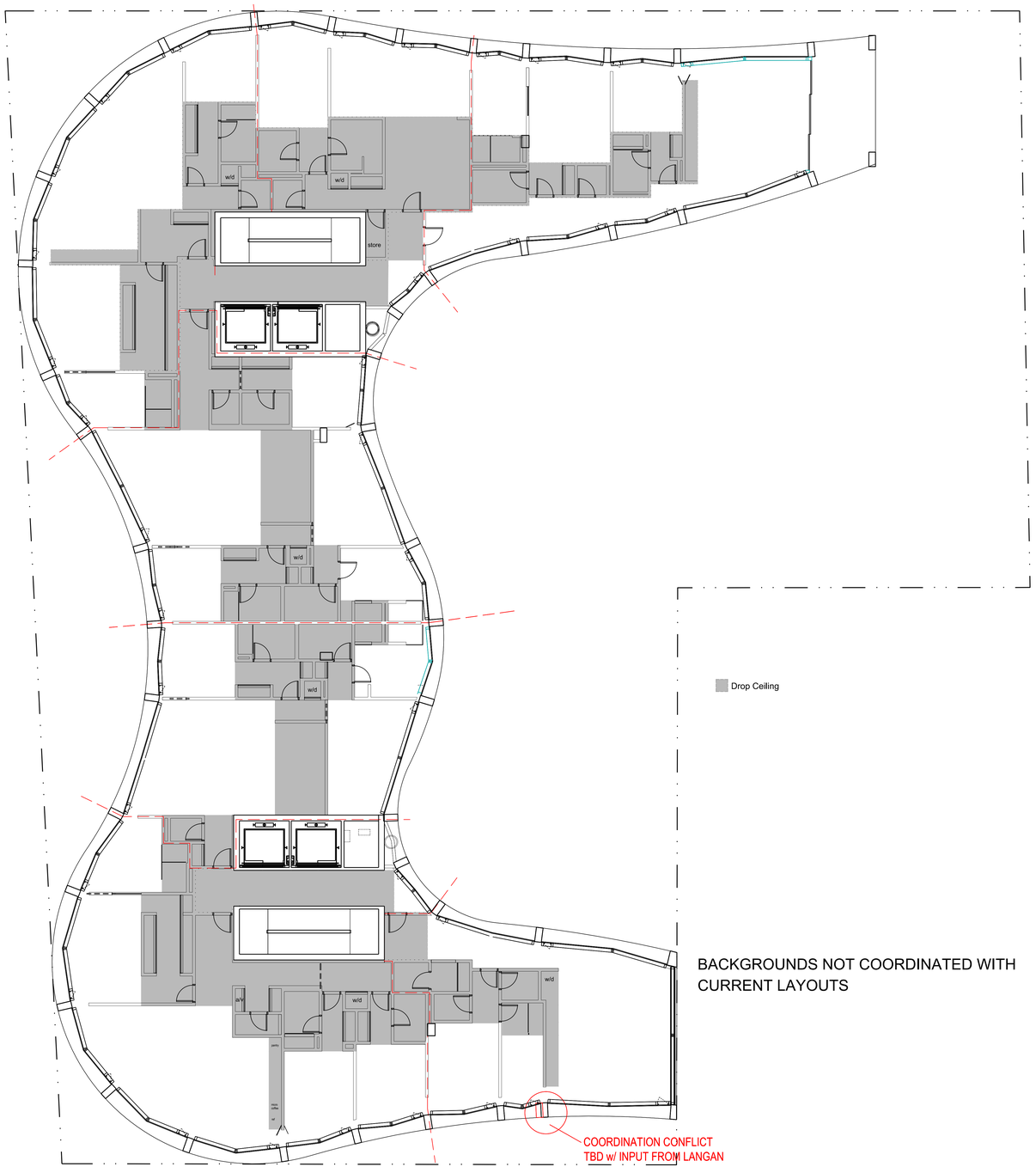
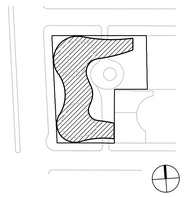


BACKGROUNDS NOT COORDINATED WITH
CURRENT LAYOUTS

TYPICAL FLOOR 3-4
UNCOORDINATED RCP

NO.	DATE	REVISION
1	03/04/2015	50% DD PROGRESS SET



KEY PLAN

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Perkins Eastman Architects, PC
115 FIFTH AVENUE
NEW YORK, NY 10003
T. 212.353.7900
F. 212.353.7674

Owner:
160 LEROY LLC
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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

REFLECTED CEILING PLAN 3RD-4TH LEVEL

SCALE: PAGE: XX OF 103

A-203.00

DOB BSCAN STICKER

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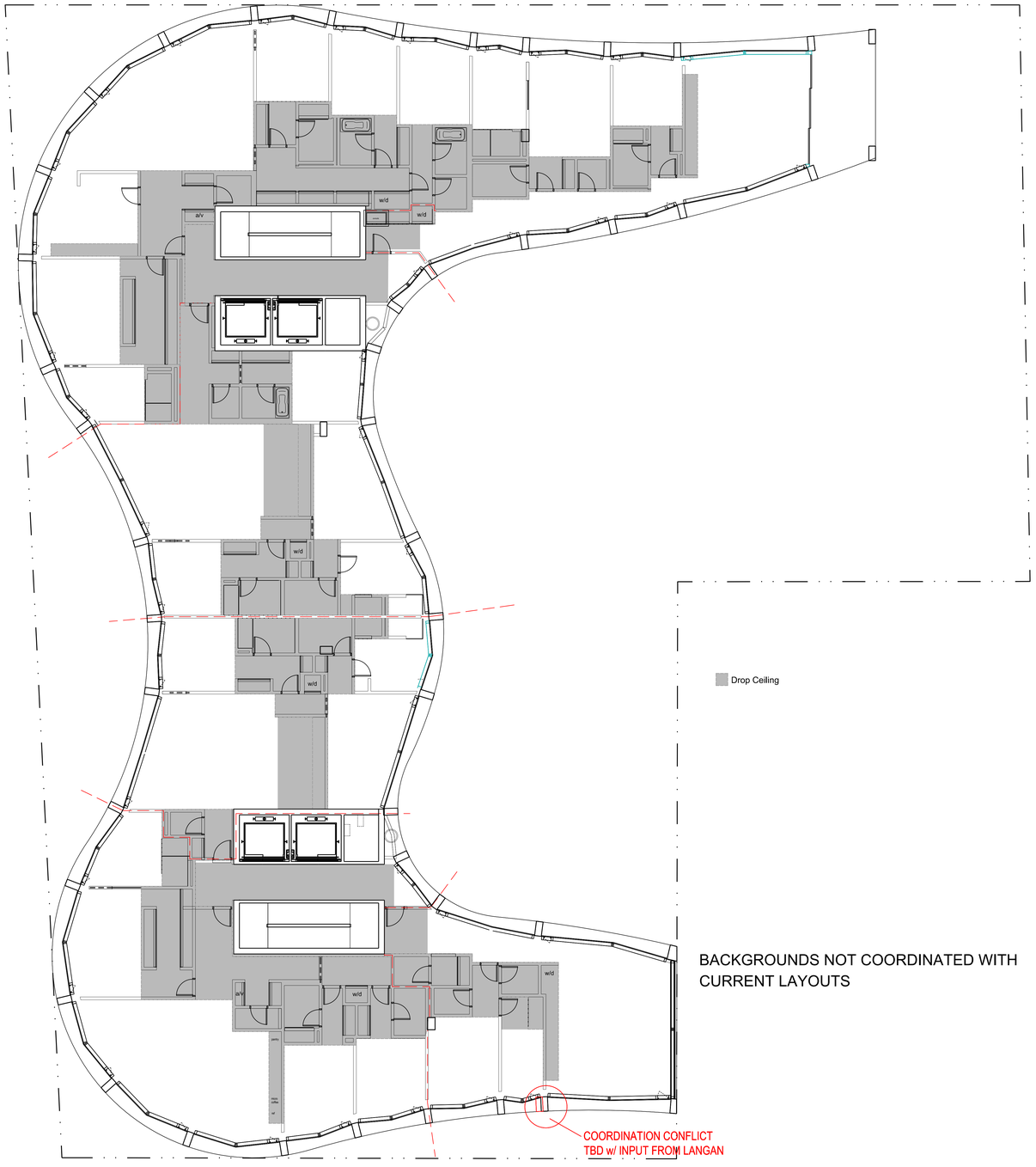
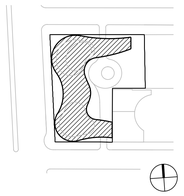


BACKGROUNDS NOT COORDINATED WITH
CURRENT LAYOUTS

TYPICAL FLOOR 5-6
UNCOORDINATED RCP

NO.	DATE	REVISION
1	03/04/2015	50% DD PROGRESS SET



KEY PLAN

S9 an affiliate of
Perkins Eastman Architects, PC
115 FIFTH AVENUE
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Owner:
160 LEROY LLC
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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

REFLECTED CEILING PLAN 5TH-6TH LEVEL

SCALE: PAGE: XX OF 103

A-204.00

DOB BSCAN STICKER

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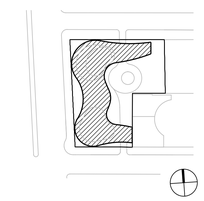
BACKGROUNDS NOT COORDINATED WITH
CURRENT LAYOUTS

TYPICAL FLOOR 7-9
UNCOORDINATED RCP

NO.	DATE	REVISION
1	03/04/2015	50% DD PROGRESS SET



KEY PLAN

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160 LEROY LLC
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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

REFLECTED
CEILING PLAN
7TH-9TH LEVEL

SCALE: PAGE: XX OF 103

A-205.00

DOB BSCAN STICKER

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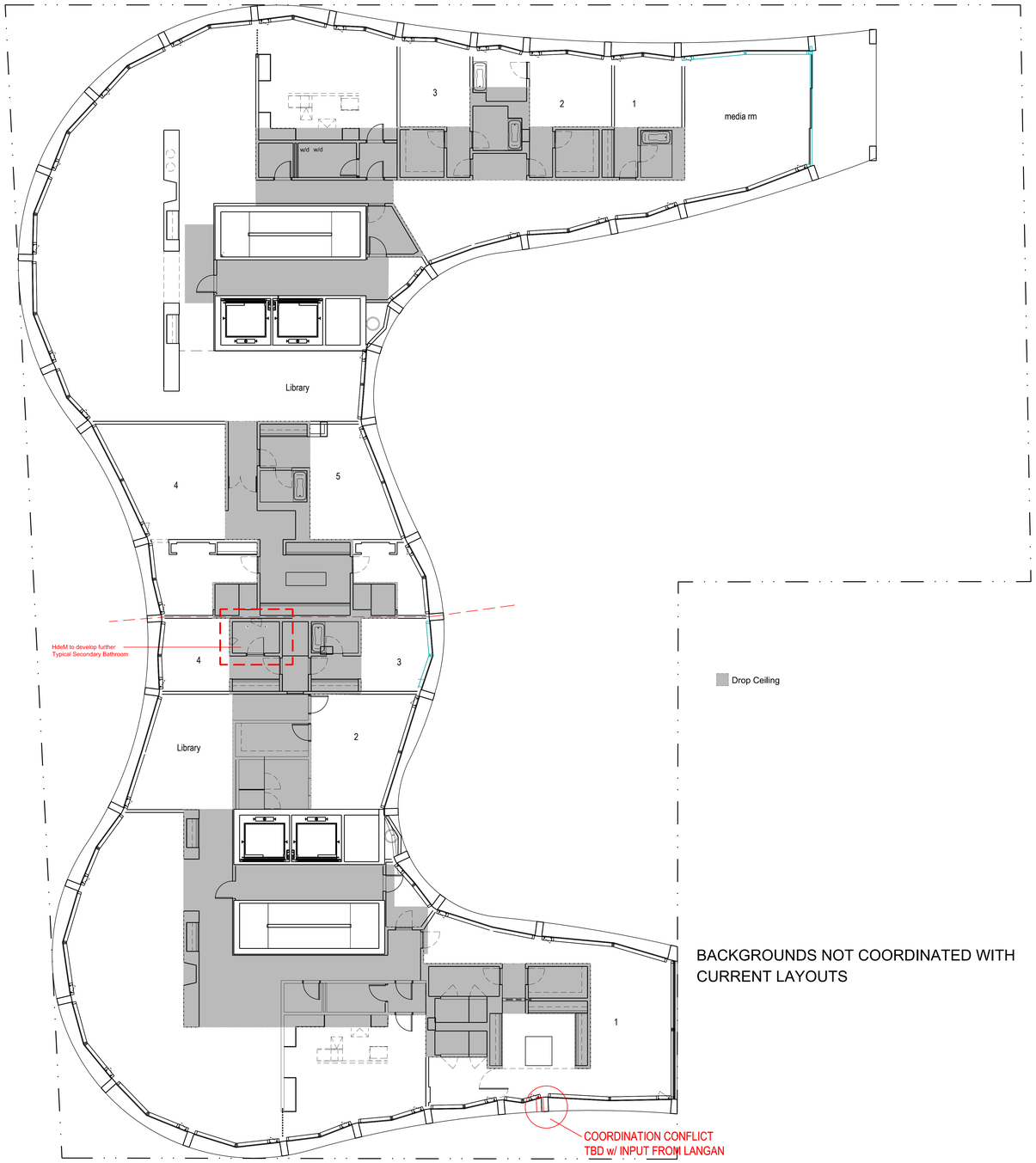

BACKGROUNDS NOT COORDINATED WITH CURRENT LAYOUTS

TYPICAL FLOOR 10-11
UNCOORDINATED RCP

NO.	DATE	REVISION
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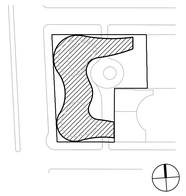

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NEW YORK, NY, 212.645.6060

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Vertical Transport Consultant:
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5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

REFLECTED CEILING PLAN 10TH-11TH LEVEL

SCALE: PAGE: XX OF 103

A-206.00

DOB BSCAN STICKER

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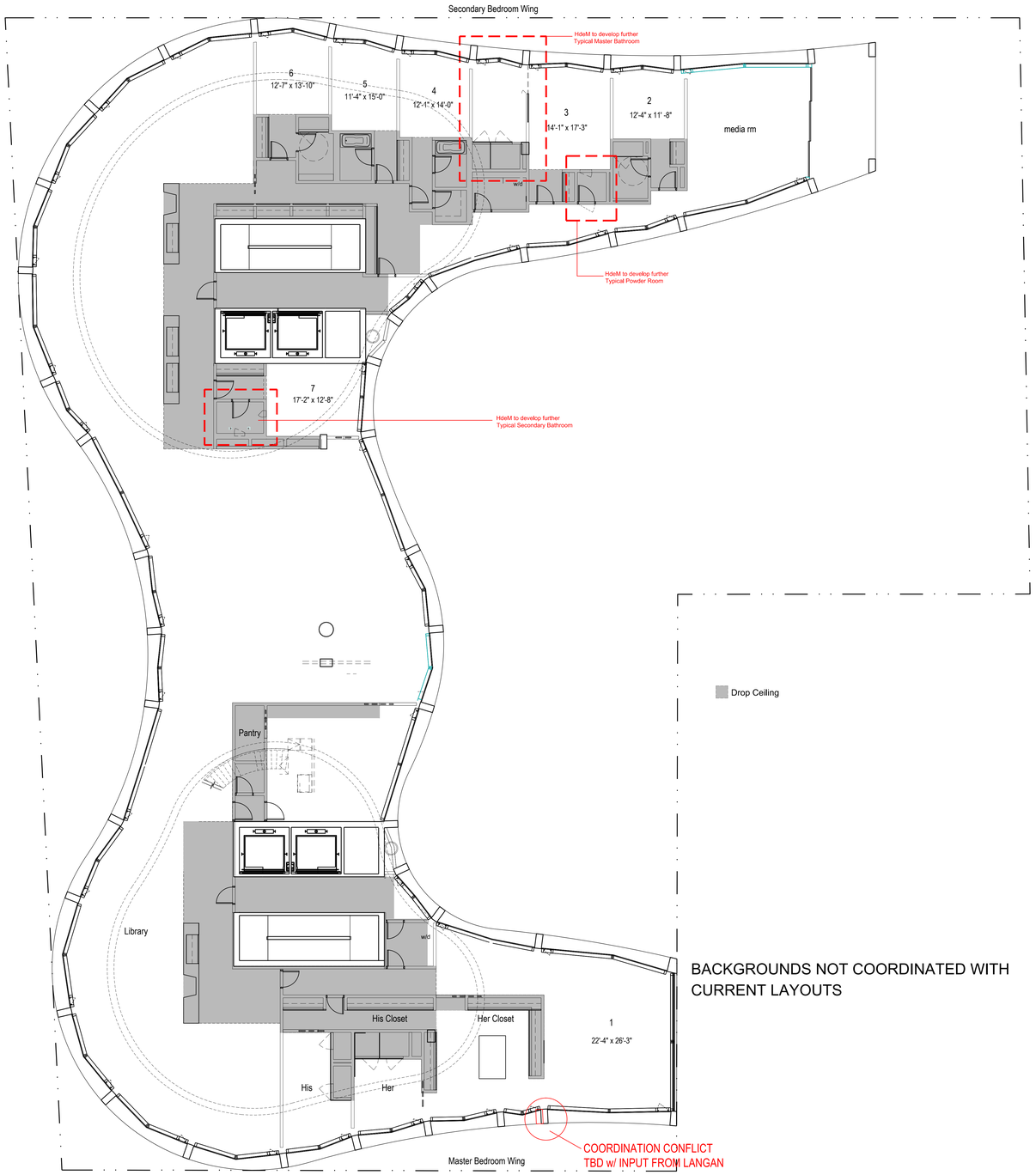

BACKGROUNDS NOT COORDINATED WITH CURRENT LAYOUTS

TYPICAL FLOOR 12
UNCOORDINATED RCP

NO.	DATE	REVISION
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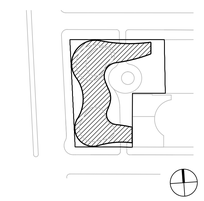

KEY PLAN

S9 an affiliate of
Perkins Eastman Architects, PC
115 FIFTH AVENUE
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T. 212.353.7200
F. 212.353.7674

Owner:
160 LEROY LLC
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4056 BASEL, SWITZERLAND, +41.61.385.5757

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NEW YORK, NY, 212.645.6060

Envelop Consultant:
GMS LLP
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WHITE PLAINS, NY, 914.495.4290

Vertical Transport Consultant:
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5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

REFLECTED CEILING PLAN 12TH LEVEL

SCALE: PAGE: XX OF 103

A-207.00

DOB BSCAN STICKER

SEAL

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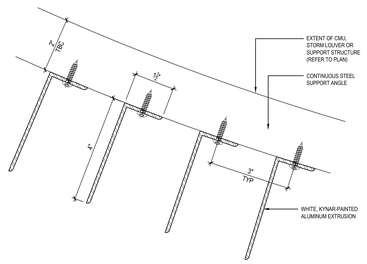
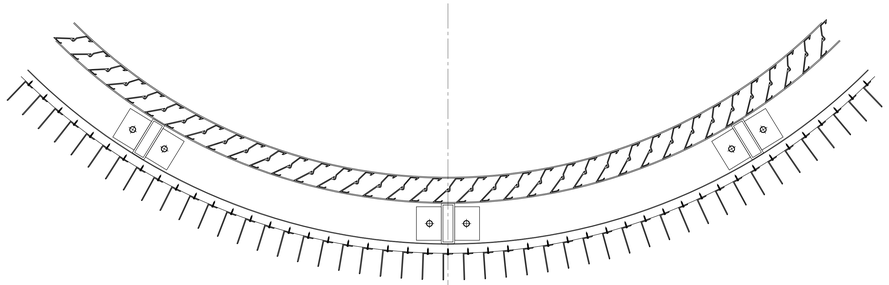
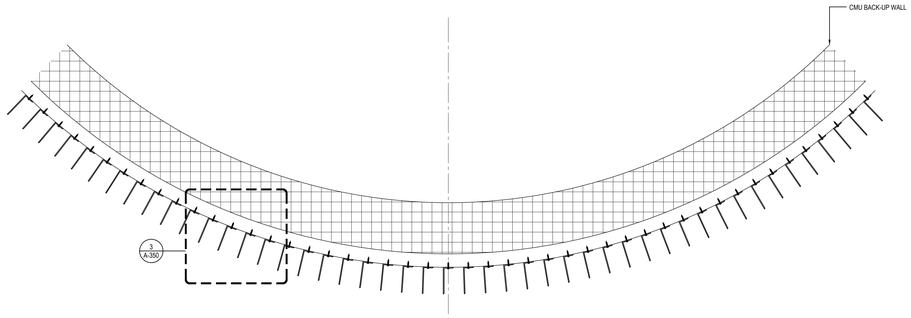


3 / A-350 PLAN DETAIL - ALUM FIN
SCALE: 6" = 1'-0"

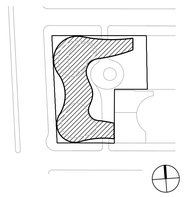


2 / A-350 PLAN DETAIL - BULKHEAD @ LOUVER
SCALE: 1 1/2" = 1'-0"



1 / A-350 PLAN DETAIL - BULKHEAD @ CMU
SCALE: 1 1/2" = 1'-0"

NO.	DATE	REVISION
1	03/04/2015	50% DD PROGRESS SET



KEY PLAN

S9 an affiliate of
Perkins Eastman Architects, PC
115 FIFTH AVENUE
NEW YORK, NY 10003
T. 212.353.7900
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Owner:
160 LEROY LLC
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Vertical Transport Consultant:
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5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

PLAN DETAILS BULKHEAD

SCALE: NTS PAGE: 36 OF 103

A-350.00

DOB BSCAN STICKER

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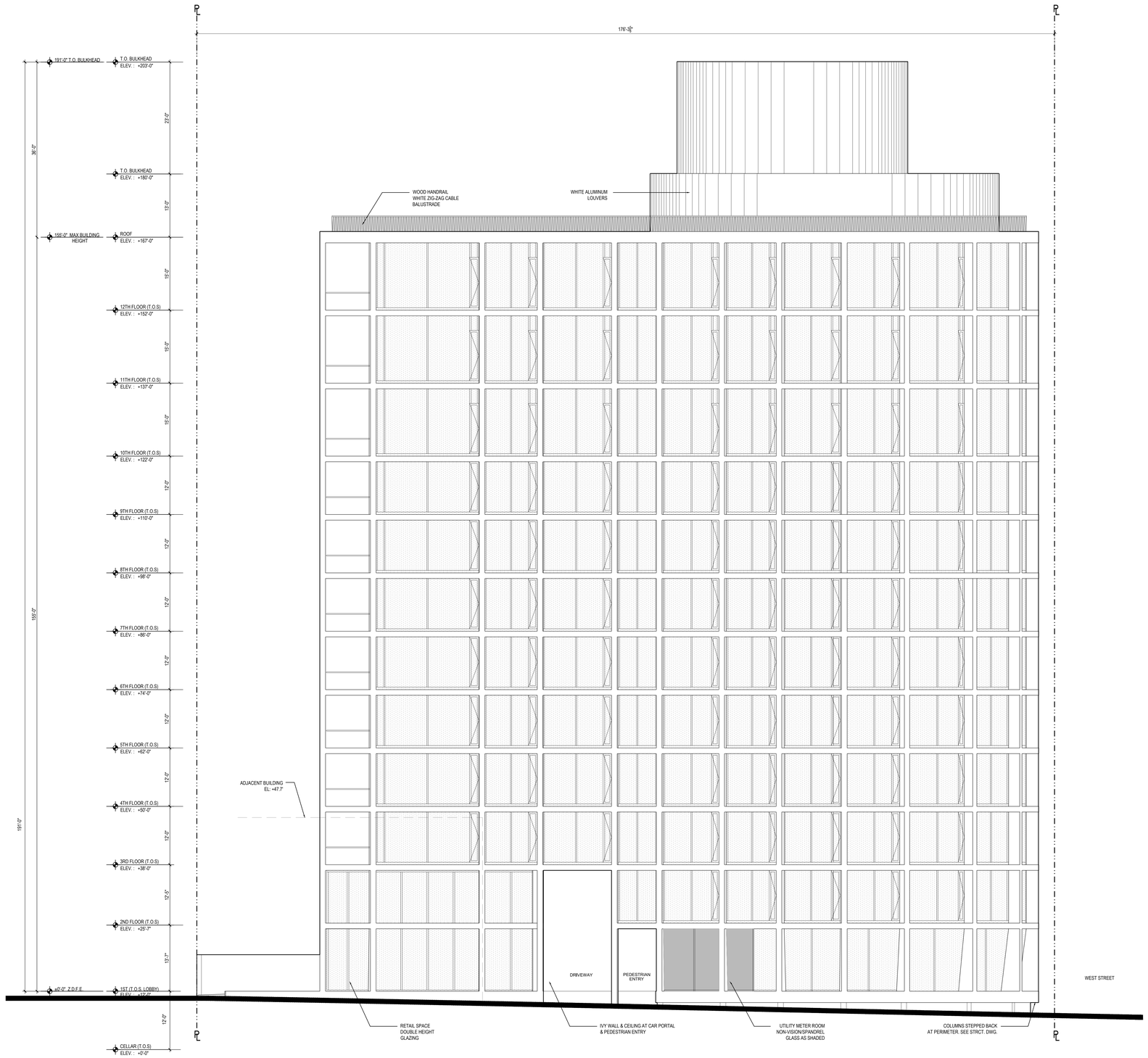


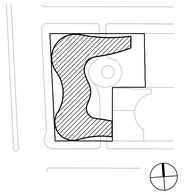
1 / A-400 BUILDING ELEVATION NORTH

SCALE: 1/8" = 1'-0"

MATERIAL LEGEND

- VISION GLASS
- SPANDREL GLASS
- SOLID CONCRETE INFILL
- ALUMINUM TUBE

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
115 FIFTH AVENUE
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T. 212.353.7900
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Owner:

160 LEROY LLC
818 GREENWICH STREET
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Vertical Transport Consultant:

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5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

BUILDING ELEVATION - NORTH

SCALE: 1/8"=1'-0" PAGE: 30 OF 103

A-400.00

DOB BSCAN STICKER

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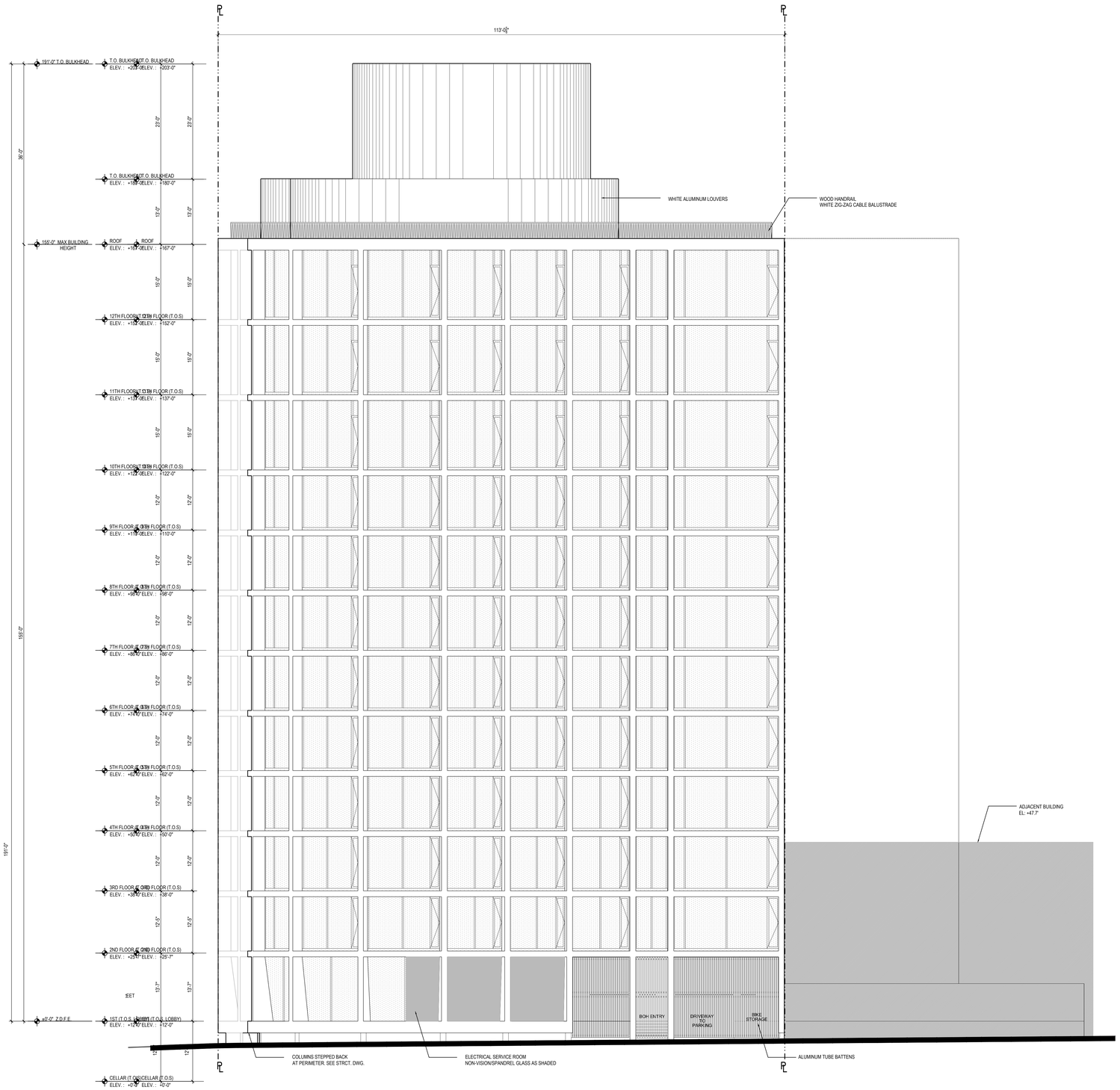
MATERIAL LEGEND

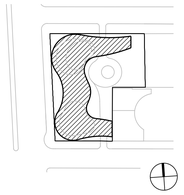
- VISION GLASS
- SPANDREL GLASS
- SOLID CONCRETE INFILL
- ALUMINUM TUBE



1 / A-401 BUILDING ELEVATION SOUTH

SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

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F. 212.353.7676

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NEW YORK, NY, 212.315.6401

Pool Consultant:

TRACE POOLS DESIGN
333 WESTCHESTER AVE - EAST TERRACE
WHITE PLAINS, NY, 914.495.4290

Vertical Transport Consultant:

VAN DEUSEN & ASSOCIATES
5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

BUILDING ELEVATION SOUTH

SCALE: 1/8"=1'-0" PAGE: 31 OF 103

A-401.00

DOB BSCAN STICKER

SEAL

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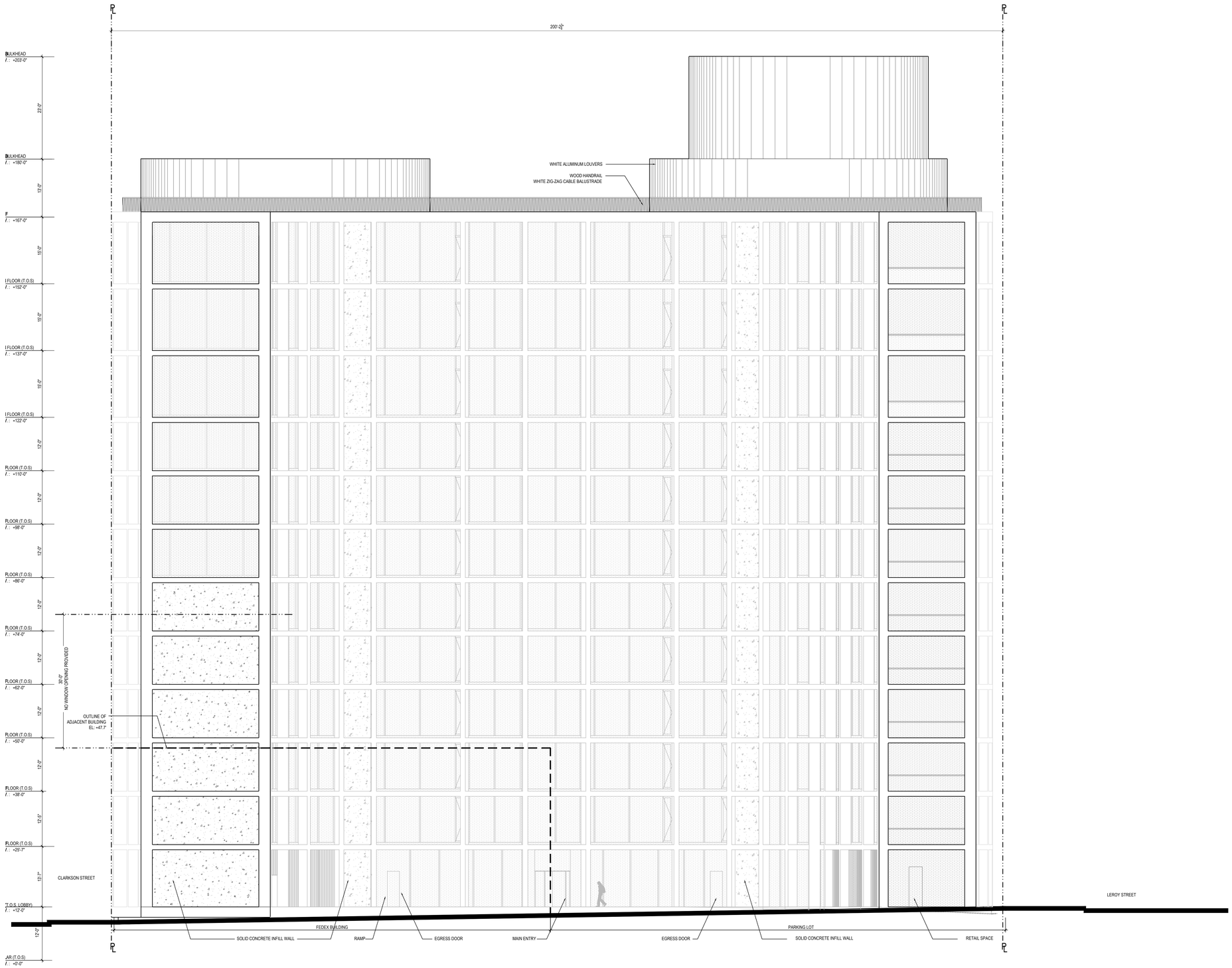
MATERIAL LEGEND

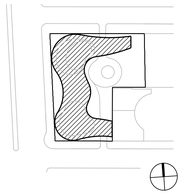
- VISION GLASS
- SPANDREL GLASS
- SOLID CONCRETE INFILL
- ALUMINUM TUBE



1 / A-403 BUILDING ELEVATION EAST

SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
115 FIFTH AVENUE
NEW YORK, NY 10003
T. 212.353.7900
F. 212.353.7674

Owner:

160 LEROY LLC
818 GREENWICH STREET
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Design Consultant:

HERZOG & DE MEURON
RHEINSCHANZE 6
4056 BASEL, SWITZERLAND, +41.61.385.5757

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NEW YORK, NY, 212.532.2211

MEP, FP Engineer:

ADS ENGINEERS
45 BROADWAY, SUITE 1220
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Envelop Consultant:

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NEW YORK, NY, 212.254.0030

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Pool Consultant:

TRACE POOLS DESIGN
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WHITE PLAINS, NY, 914.495.4290

Vertical Transport Consultant:

VAN DEUSEN & ASSOCIATES
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LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

BUILDING ELEVATION EAST

SCALE: 1/8"=1'-0" PAGE: 32 OF 103

A-402.00

DOB BSCAN STICKER

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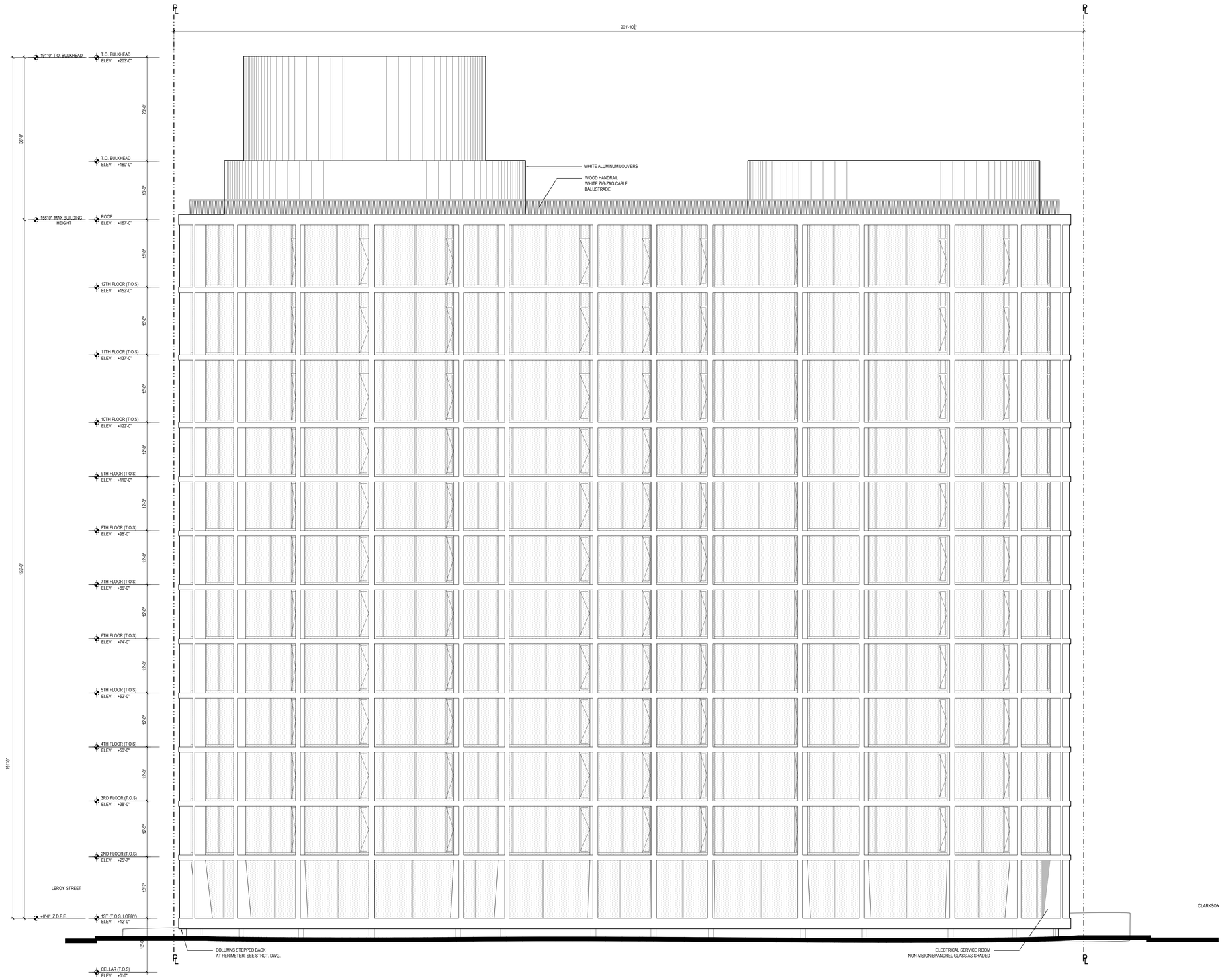
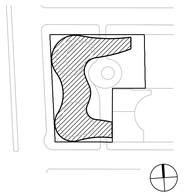


1 A-403 BUILDING ELEVATION WEST
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
115 FIFTH AVENUE
NEW YORK, NY 10003
T. 212.353.7500
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Vertical Transport Consultant:
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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

BUILDING
ELEVATION WEST

SCALE: 1/8"=1'-0" PAGE: 33 OF 103

A-403.00

DOB BSCAN STICKER

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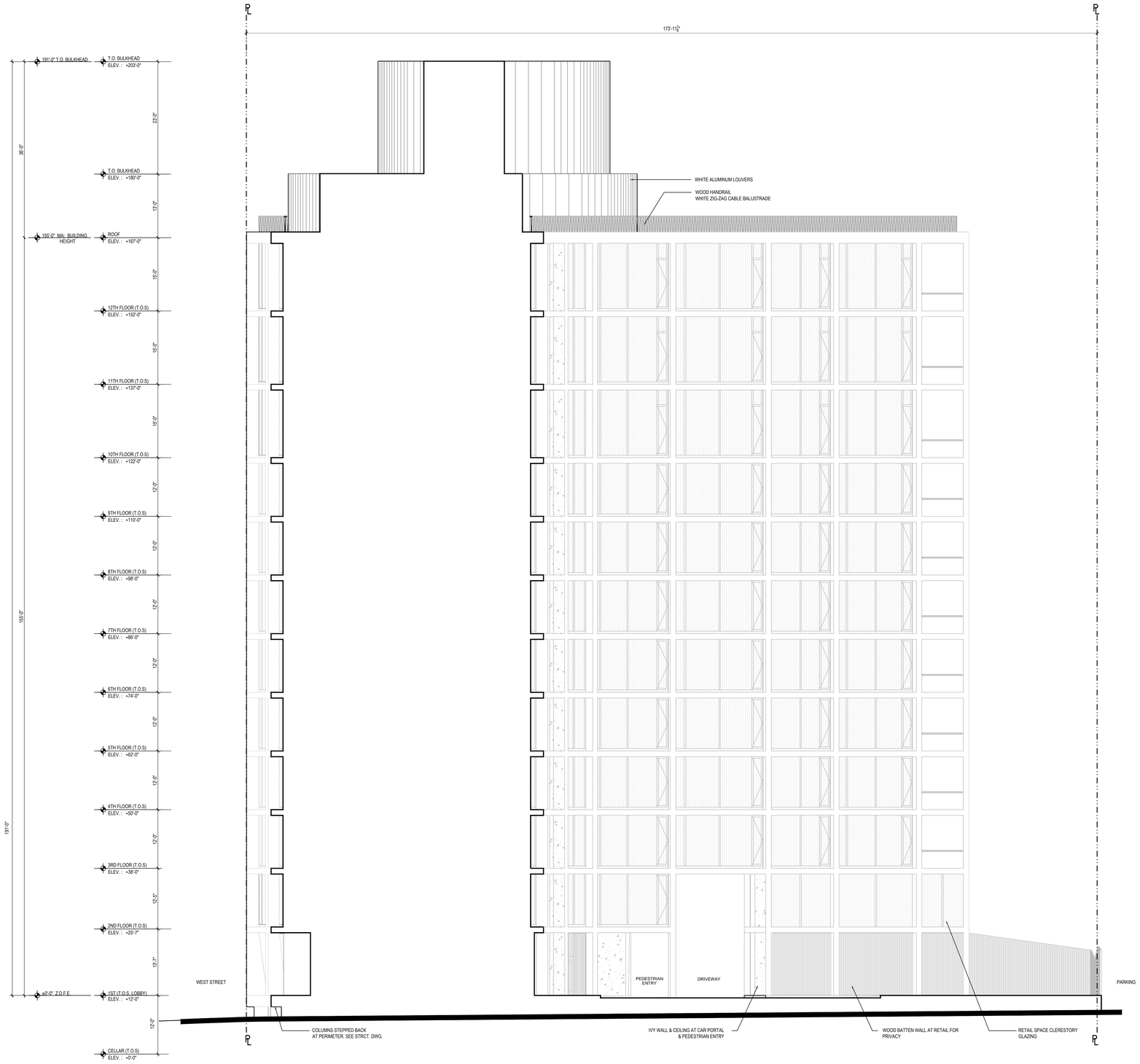
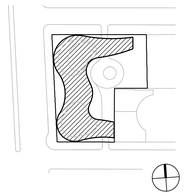


1 A-404 BUILDING ELEVATION COURTYARD SOUTH

SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

BUILDING ELEVATION
COURTYARD SOUTH

SCALE: 1/8"=1'-0" PAGE: 33 OF 103

A-404.00

DOB BSCAN STICKER

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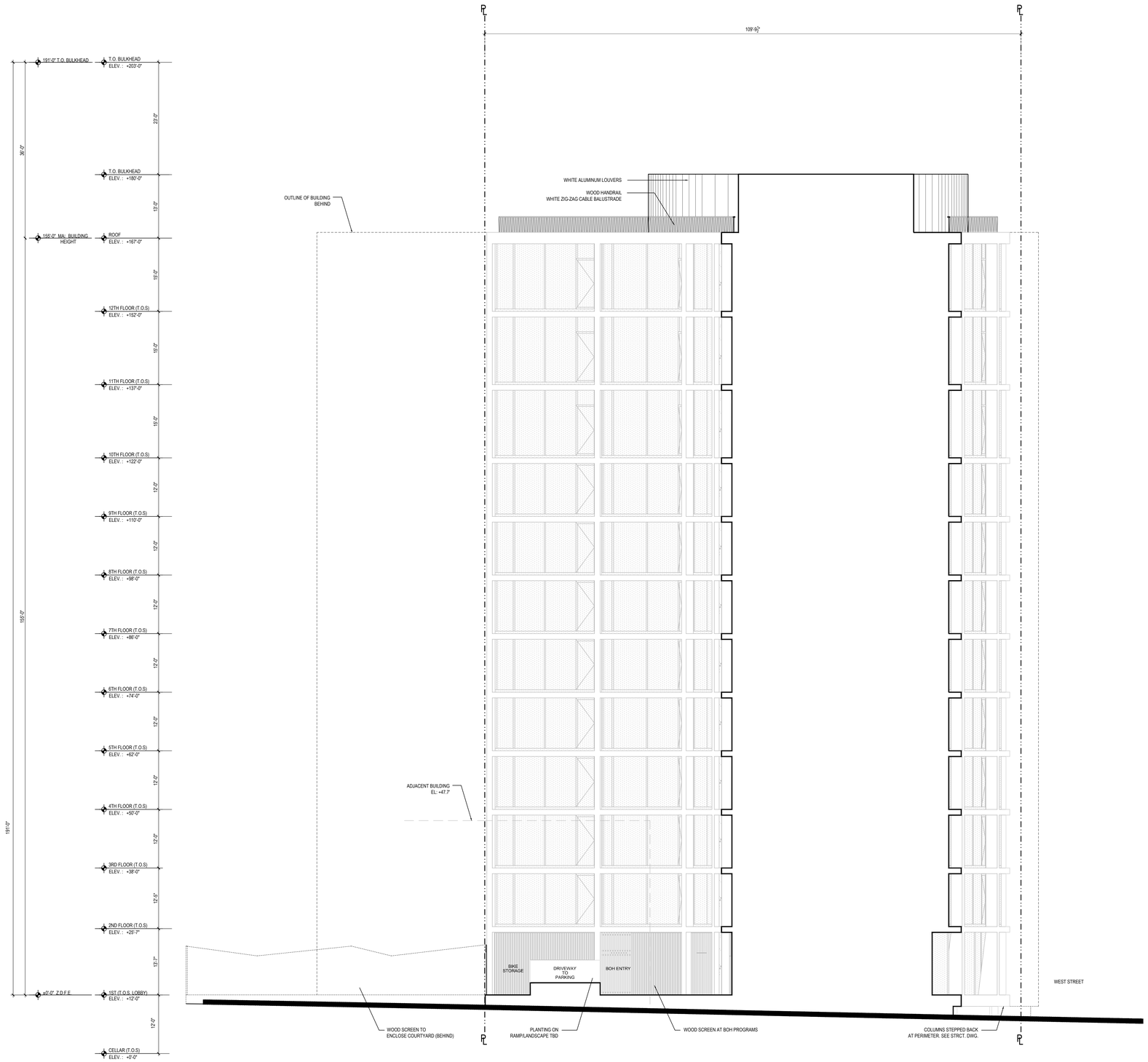
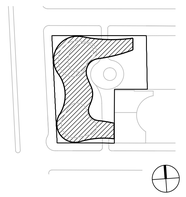
02/13/2013



1 / A-405 BUILDING ELEVATION COURTYARD NORTH

SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
115 FIFTH AVENUE
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Vertical Transport Consultant:

VAN DEUSEN & ASSOCIATES
5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

BUILDING ELEVATION COURTYARD SOUTH

SCALE: 1/8"=1'-0" PAGE: 33 OF 103

A-405.00

DOB BSCAN STICKER

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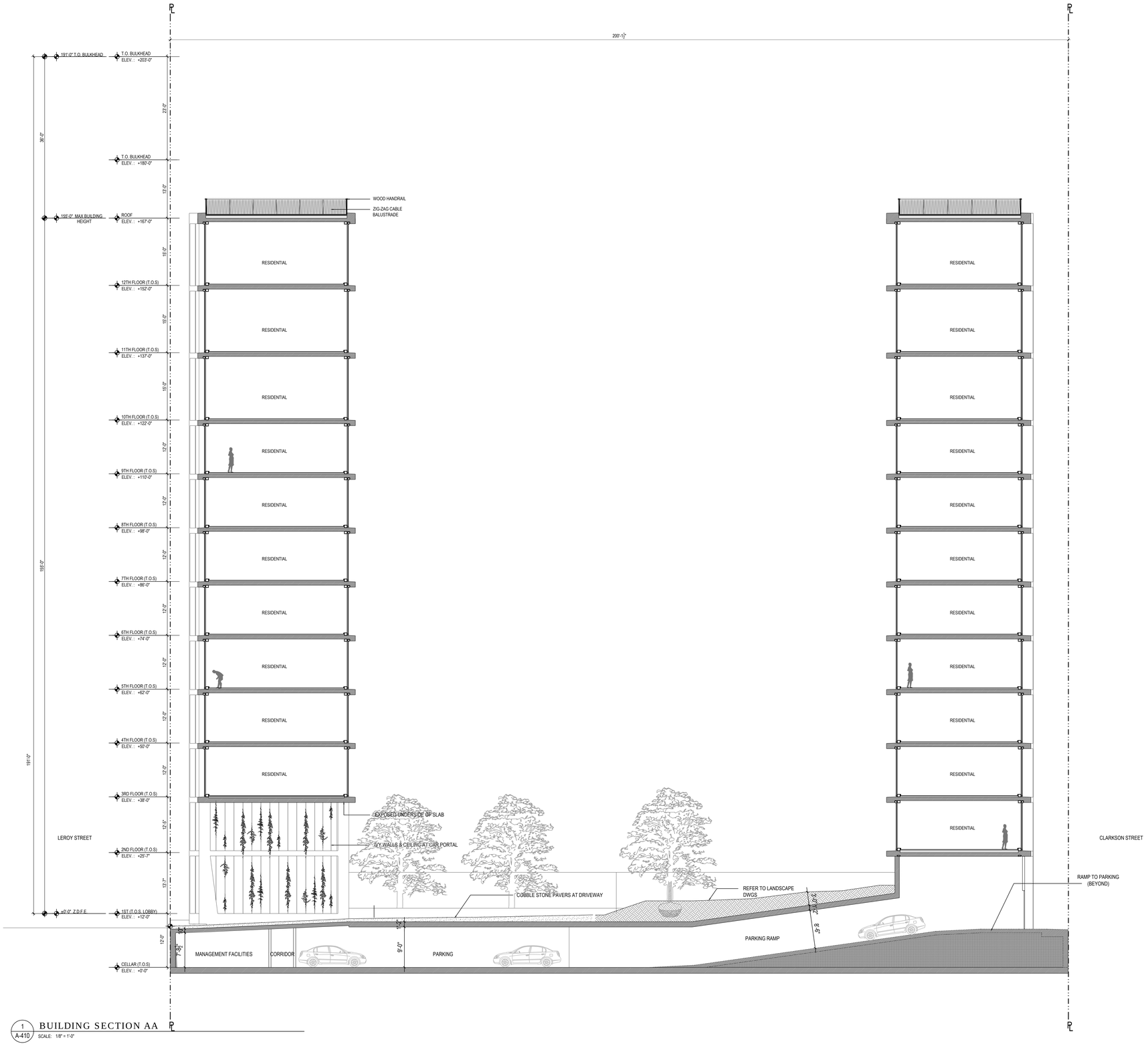
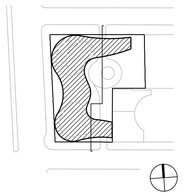


1 A-410 BUILDING SECTION AA
SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SET
3	02/13/2015	FOUNDATION FILING SET
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
115 FIFTH AVENUE
NEW YORK, NY 10003
T. 212.353.7900
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Owner:
160 LEROY LLC
818 GREENWICH STREET
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129 WEST 27TH STREET, 5TH FLOOR
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Acoustical Engineer:
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Pool Consultant:
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WHITE PLAINS, NY, 914.495.4290

Vertical Transport Consultant:
VAN DEUSEN & ASSOCIATES
5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:
160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:
BUILDING SECTION AA

SCALE: 1/8"=1'-0" PAGE: 34 OF 103

A-410.00

DOB BSCAN STICKER

SEAL

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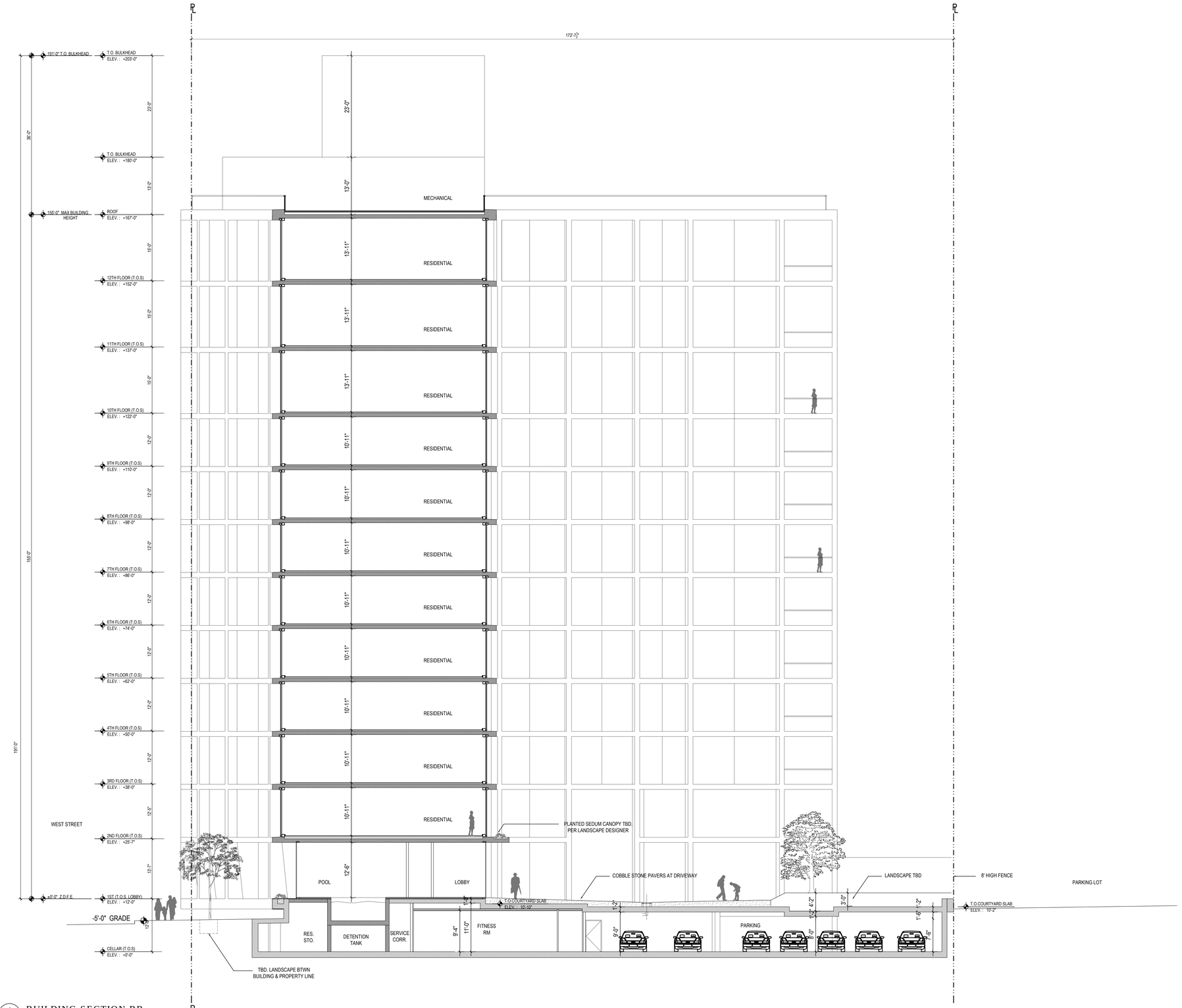
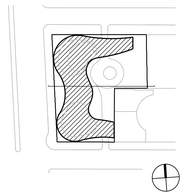


1 A-411 BUILDING SECTION BB

SCALE: 1/8" = 1'-0"

NO.	DATE	REVISION
4	03/04/2015	50% DD PROGRESS SUBMISSION
3	02/13/2015	FOUNDATION FILING SET
2	01/05/2015	FACADE DESIGN ASSIST BID PACKAGE
1	11/07/2014	100% SD SUBMISSION



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
115 FIFTH AVENUE
NEW YORK, NY 10003
T. 212.353.7900
F. 212.353.7676

Owner:
160 LEROY LLC
818 GREENWICH STREET
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Acoustical Engineer:
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Pool Consultant:
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Vertical Transport Consultant:
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LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

BUILDING SECTION BB

SCALE: 1/8"=1'-0" PAGE: 35 OF 103

A-411.00

DOB BSCAN STICKER

SEAL

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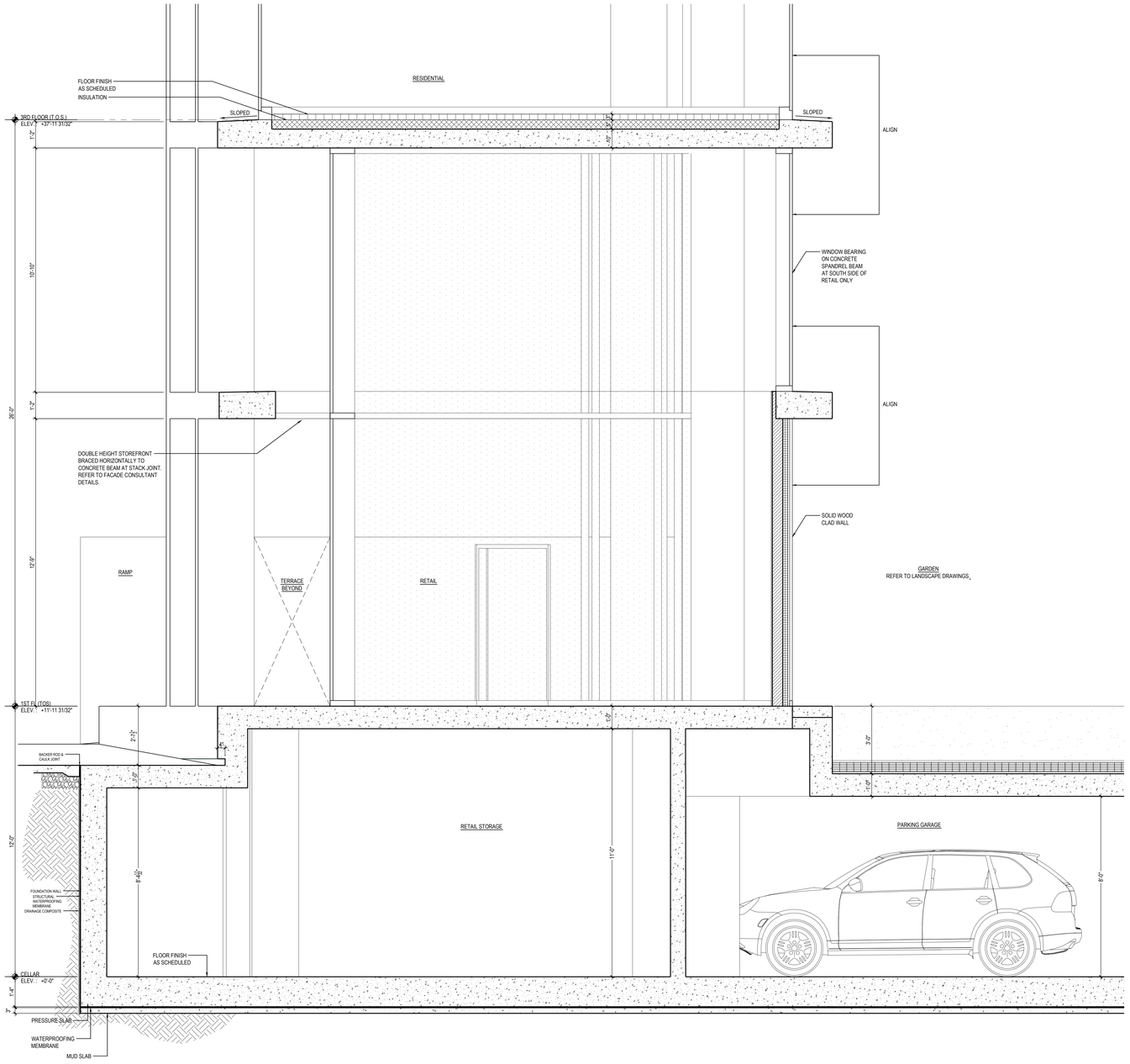
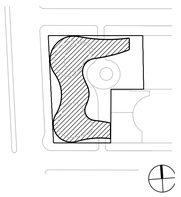


1 / A-420 ENLARGED SECTION THROUGH RETAIL

SCALE: 1/2" = 1'-0"

NO.	DATE	REVISION
1	03/04/2015	50% DD PROGRESS SET



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
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T: 212.353.7200
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Vertical Transport Consultant:

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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00:9

DOB NO.: 121330611

DRAWING TITLE:

ENLARGED BUILDING SECTION

SCALE: 1/2"=1'-0" PAGE: OF 103

A-420.00

DOB BSCAN STICKER

SEAL

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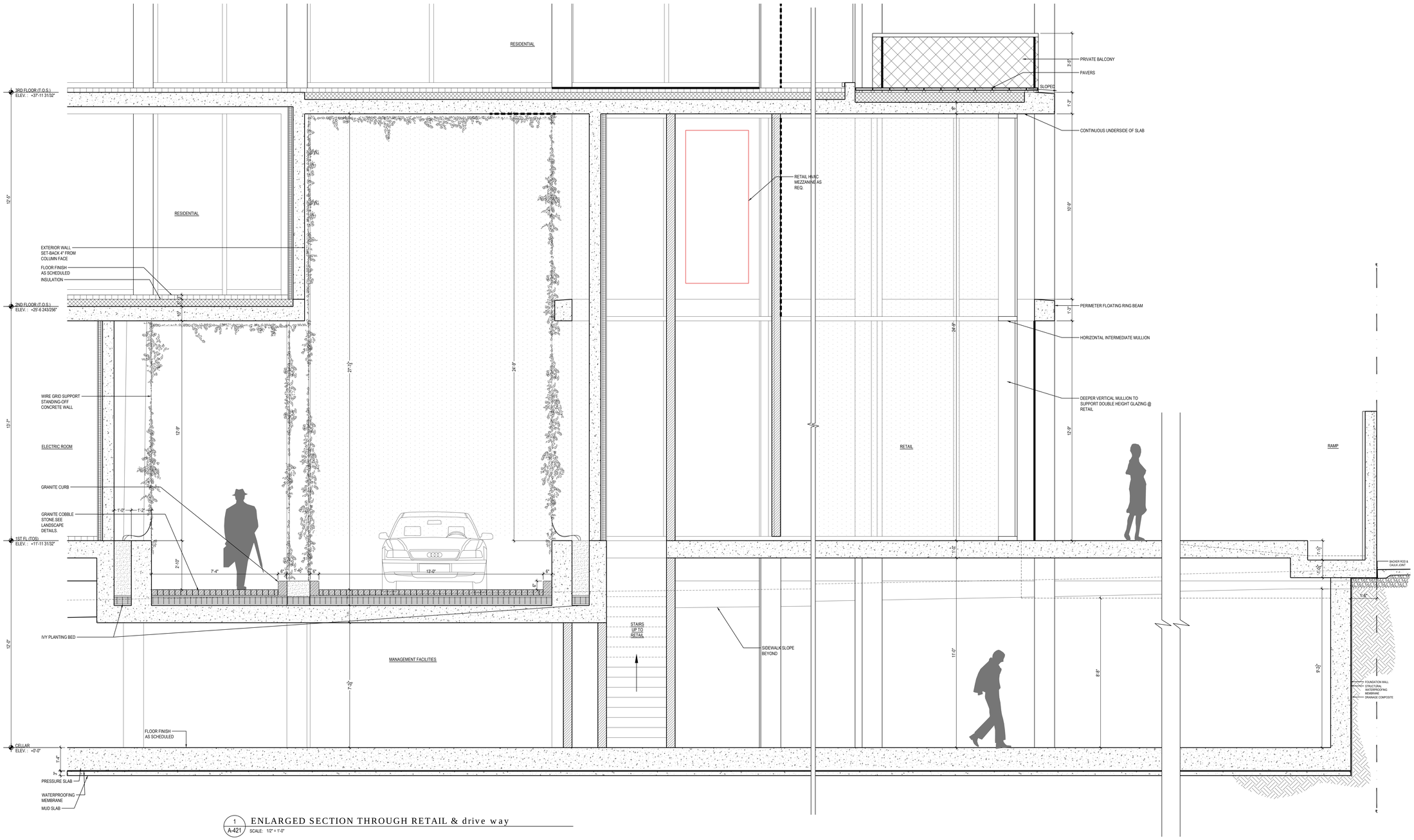
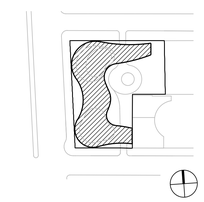


1 A-421 ENLARGED SECTION THROUGH RETAIL & drive way
SCALE: 1/2" = 1'-0"

NO.	DATE	REVISION
1	03/04/2015	50% DD PROGRESS SET



KEY PLAN

S9 an affiliate of
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MEP, FP Engineer:
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Envelop Consultant:
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Vertical Transport Consultant:
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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

ENLARGED BUILDING SECTION

SCALE: 1/2"=1'-0" PAGE: OF 103

A-421.00

DOB BSCAN STICKER

SEAL

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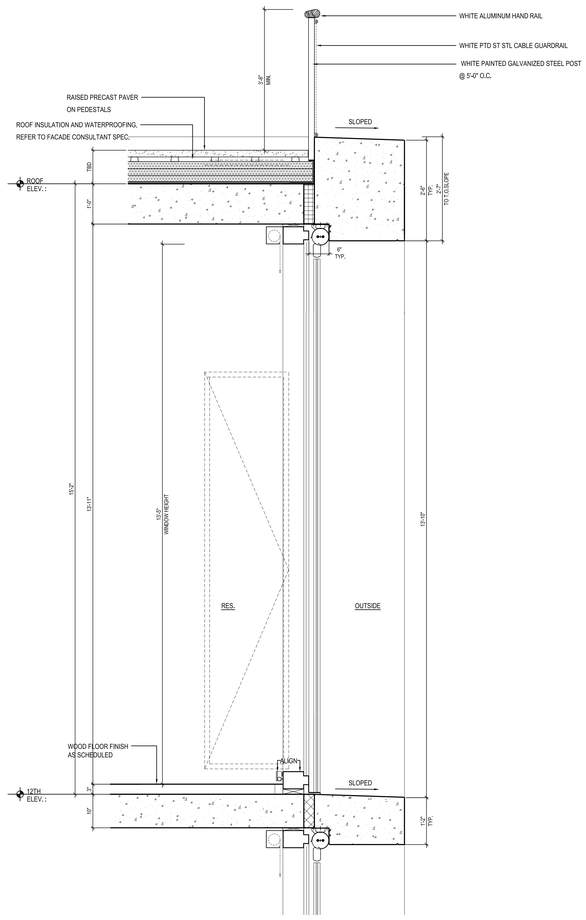
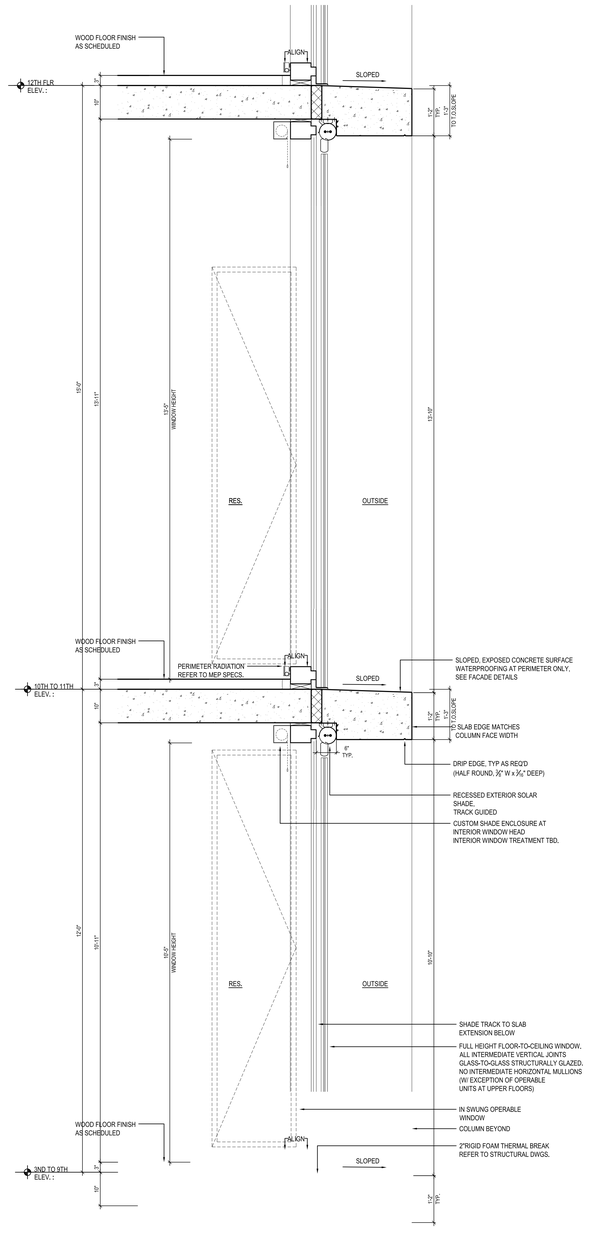
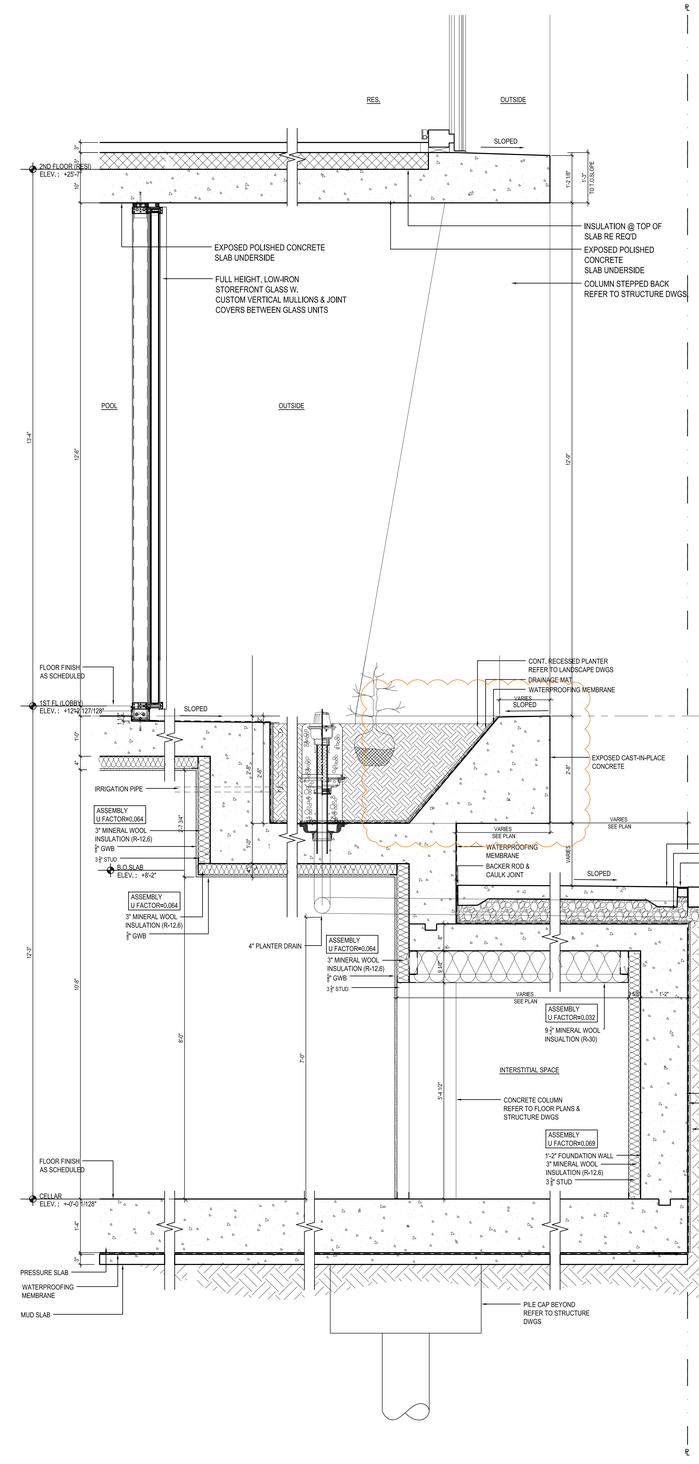


3 A-454 **WALL SECTION - TYPICAL @ 12TH TO ROOF**
SCALE: 3/4" = 1'-0"

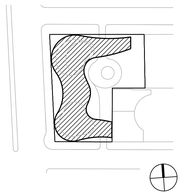


2 A-454 **WALL SECTION - TYPICAL @ 3RD TO 12TH FLR**
SCALE: 3/4" = 1'-0"



1 A-454 **WALL SECTION - TYPICAL @ CELLAR TO 2ND**
SCALE: 3/4" = 1'-0"

NO.	DATE	REVISION



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
118 FIFTH AVENUE
NEW YORK, NY 10011
T 212.353.7200
F 212.353.7270

Owner:
160 LEROY LLC
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MEP, FP Engineer:
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Pool Consultant:
TRACE POOLS DESIGN
333 WESTCHESTER AVE - EAST TERRACE
WHITE PLAINS, NY, 914.405.4290

Vertical Transport Consultant:
VAN DEUSEN & ASSOCIATES
5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

WALL SECTION

SCALE: PAGE: XX OF 103

A-454.00

DOB BSCAN STICKER

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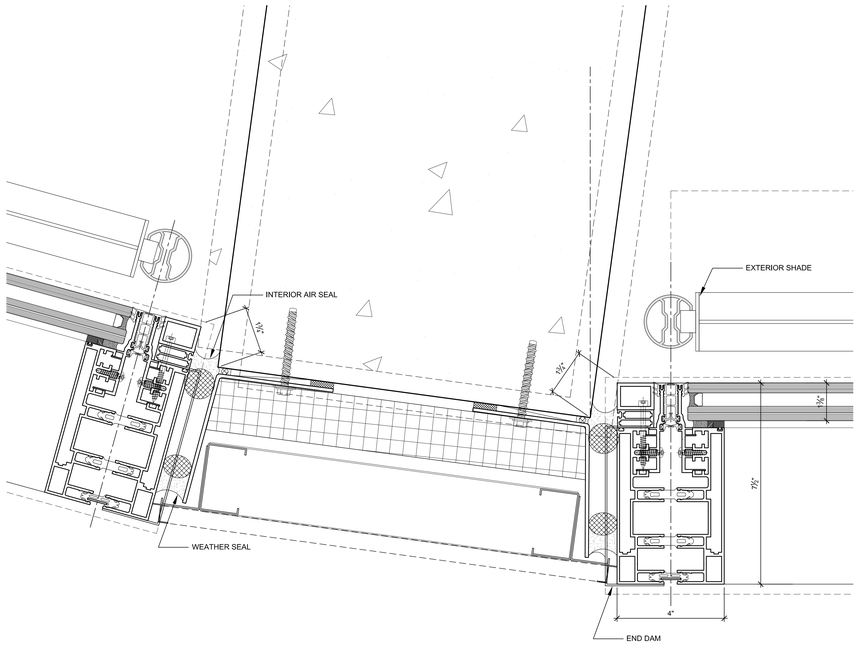
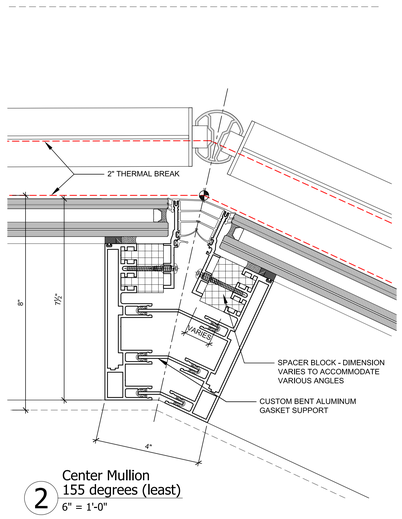
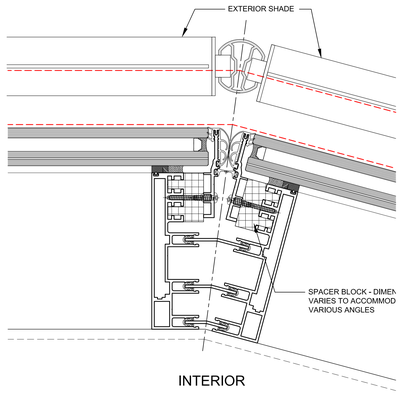


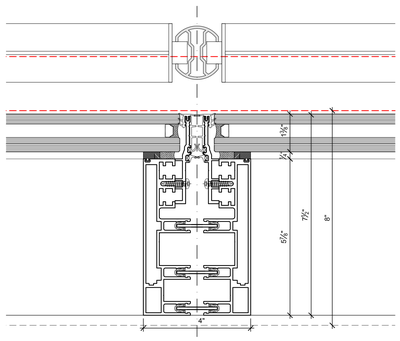
1 Mullion Detail - Jamb at Column
6" = 1'-0"



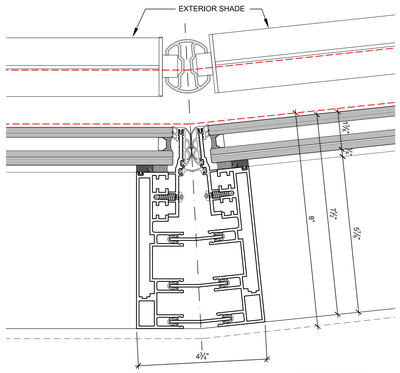
2 Center Mullion
155 degrees (least)
6" = 1'-0"



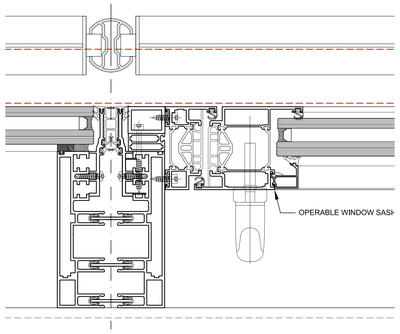
3 Center Mullion
160 degrees
6" = 1'-0"



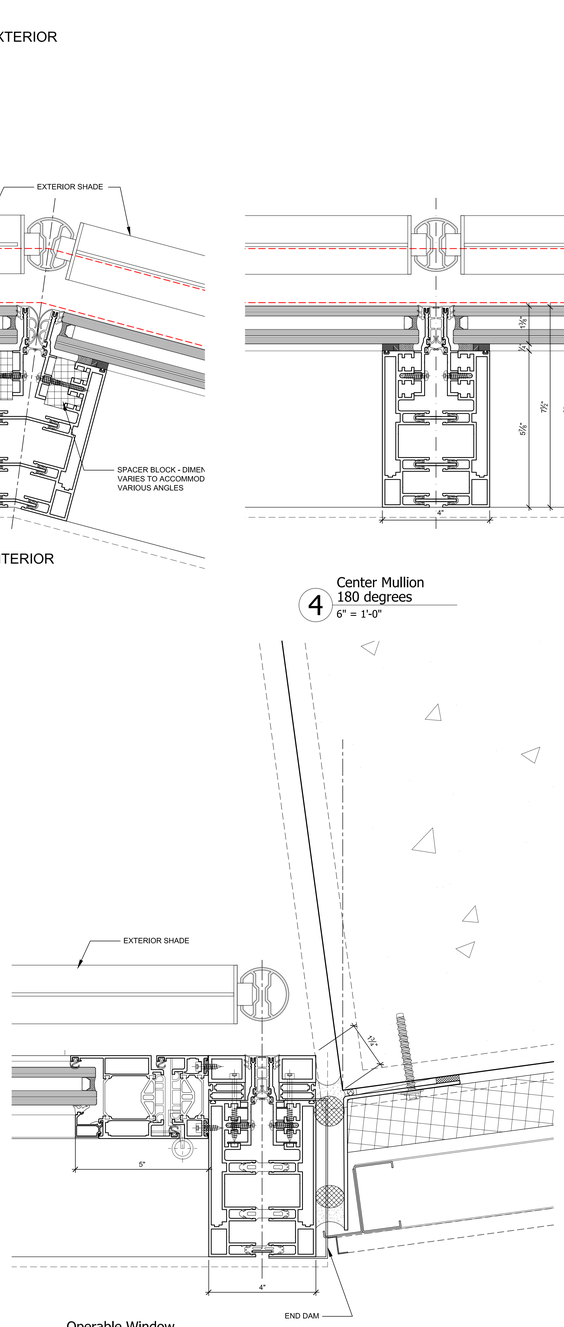
4 Center Mullion
180 degrees
6" = 1'-0"



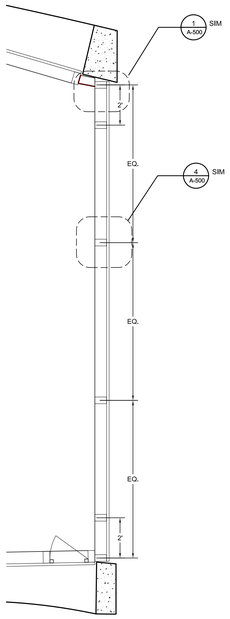
5 Center Mullion
186 degrees (greatest)
6" = 1'-0"



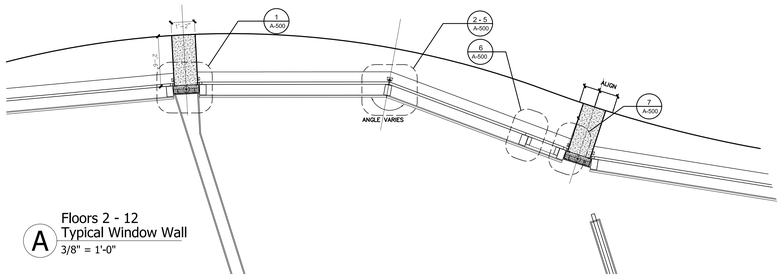
6 Operable Window
Jamb Detail
6" = 1'-0"



7 Operable Window
Jamb Detail at Column
6" = 1'-0"



B Floors 2 - 12
Window Wall at Lot Line
3/8" = 1'-0"



A Floors 2 - 12
Typical Window Wall
3/8" = 1'-0"

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	01/05/15	Facade Design Assist Bid Documents

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MEP:
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Exterior Envelope Consultant:
GILSANZ MURRAY STEFICEK, LLP
129 WEST 27th STREET
NEW YORK, NY, 212-254-0030

PROJECT TITLE:
160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 14107

DOB NO.: XXXXX

DRAWING TITLE:
WINDOW WALL HORIZONTAL DETAILS

SCALE: PAGE: OF XXXX

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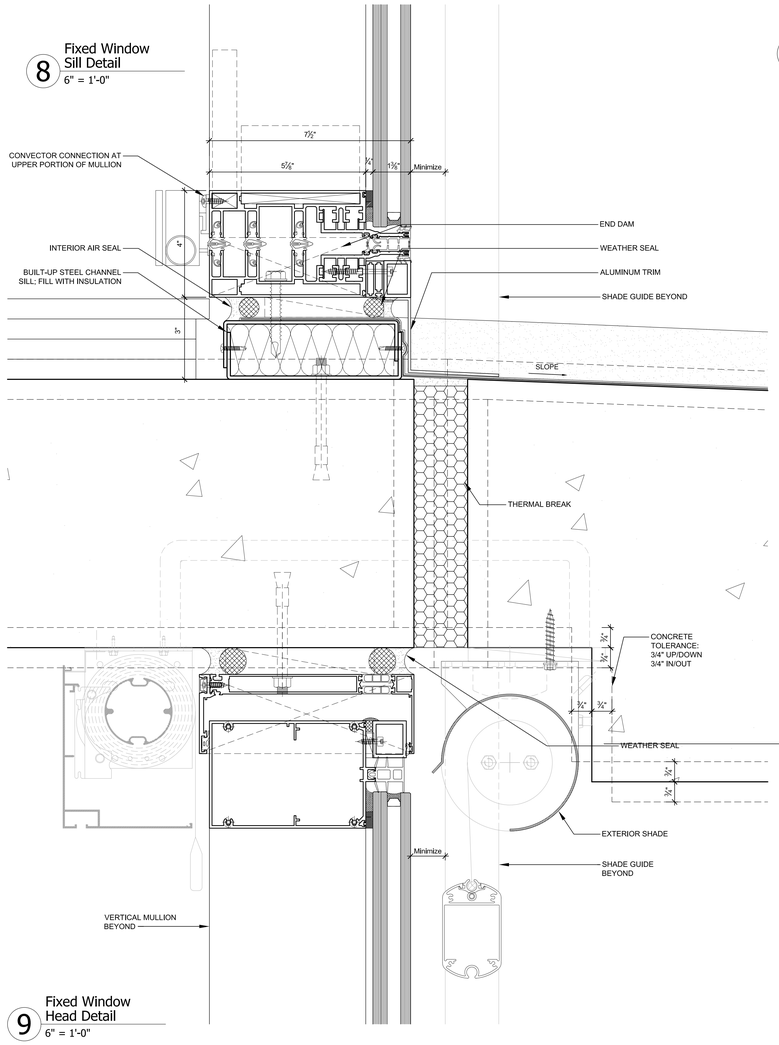
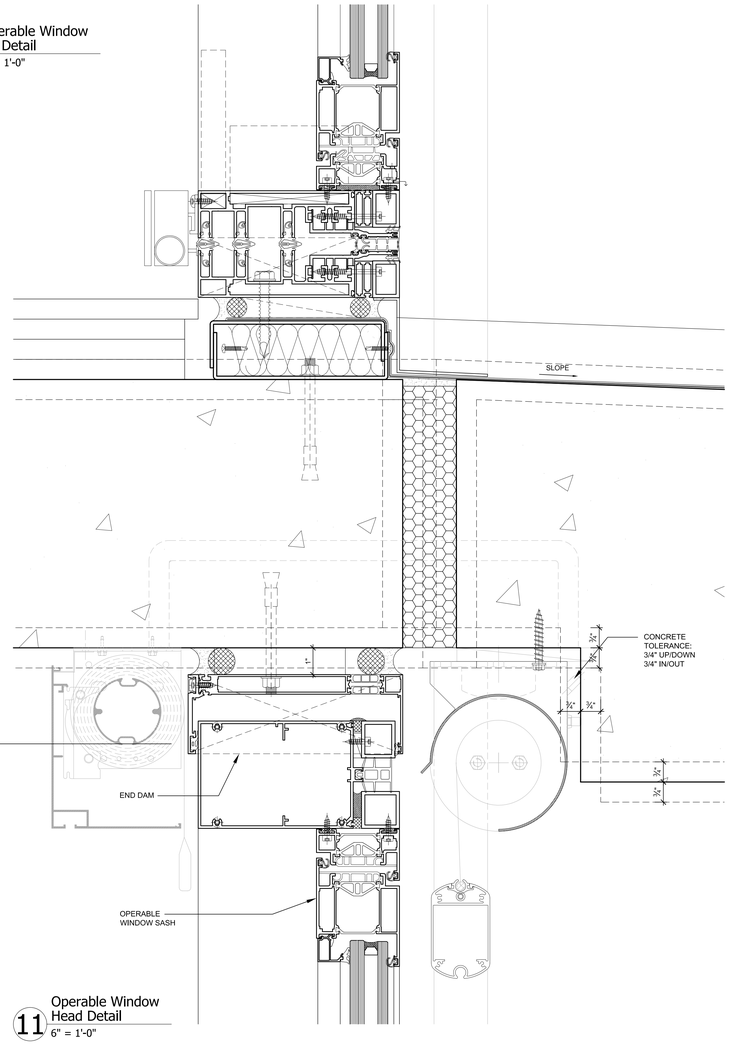


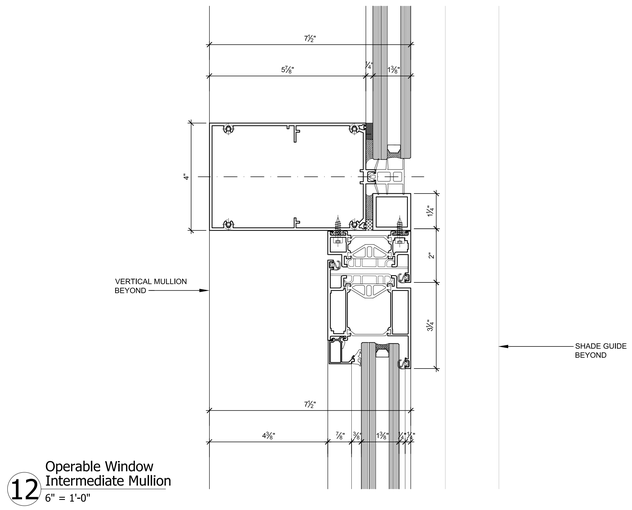
8 Fixed Window Sill Detail
6" = 1'-0"



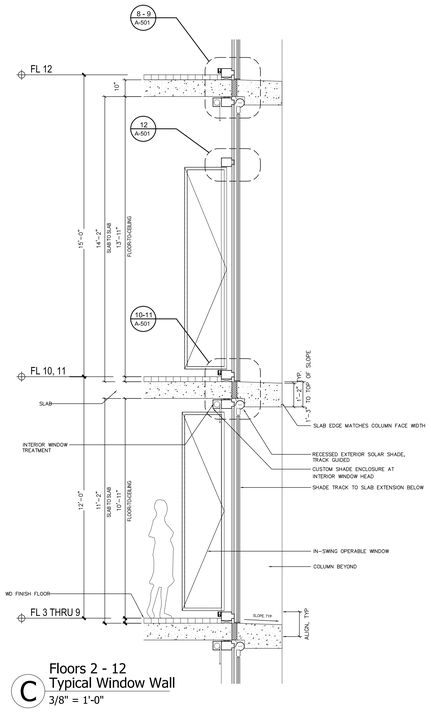
10 Operable Window Sill Detail
6" = 1'-0"

9 Fixed Window Head Detail
6" = 1'-0"

11 Operable Window Head Detail
6" = 1'-0"



12 Operable Window Intermediate Mullion
6" = 1'-0"



C Floors 2 - 12 Typical Window Wall
3/8" = 1'-0"

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	01/05/15	Facade Design Assist Bid Documents

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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 14107

DOB NO.: XXXXX

DRAWING TITLE:

WINDOW WALL VERTICAL DETAILS

SCALE: PAGE: OF XXXX

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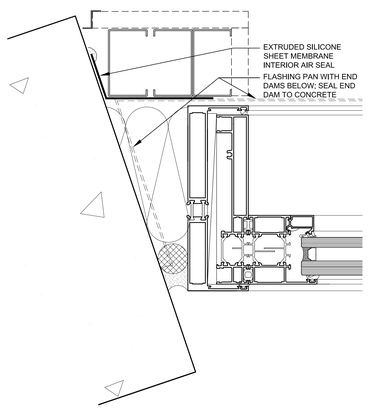
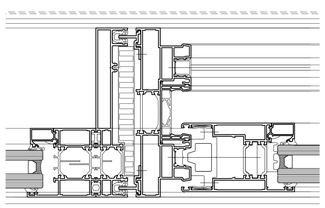
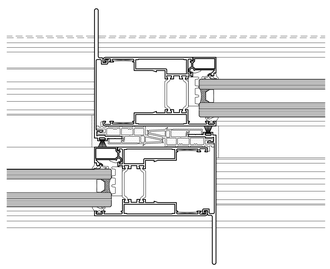


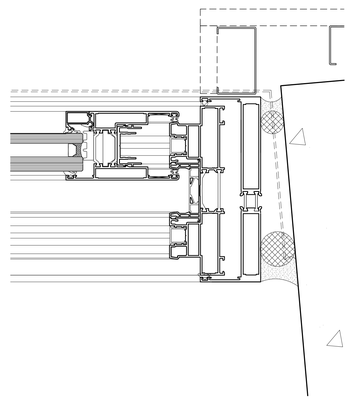
18 Fixed Window Jamb Detail at Column
6" = 1'-0"



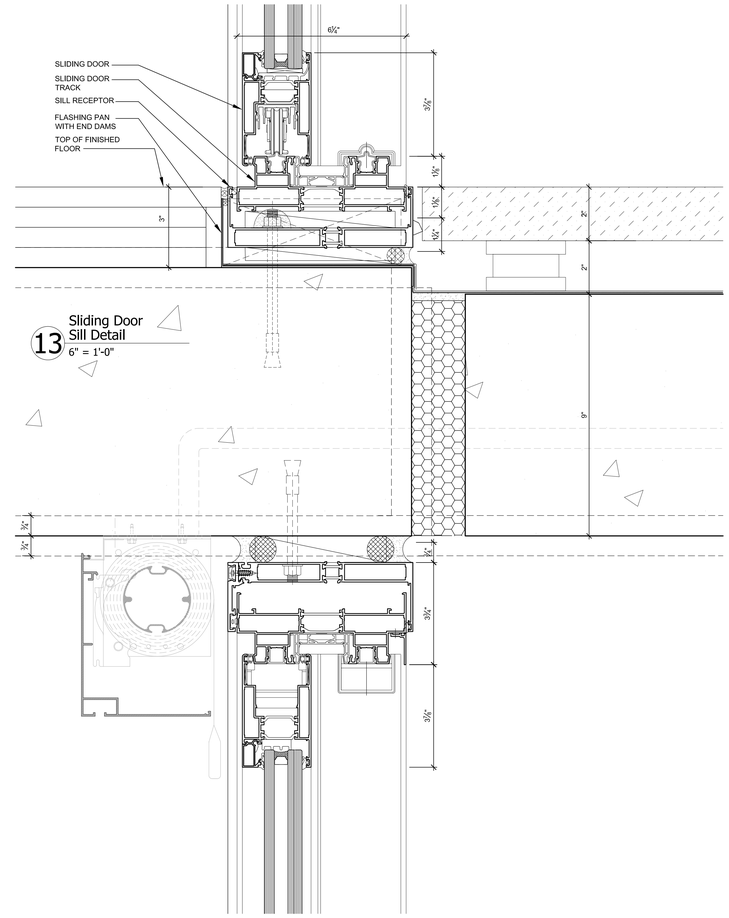
17 Sliding Door to Fixed Window Meeting Stile
6" = 1'-0"



16 Sliding Door Meeting Stile
6" = 1'-0"

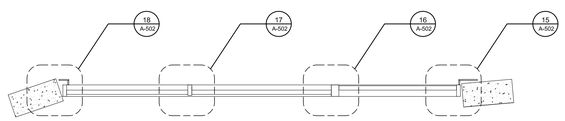


15 Sliding Door Jamb at Column
6" = 1'-0"

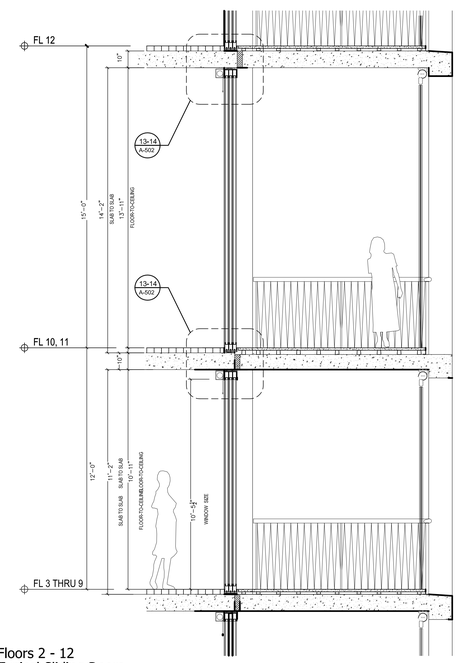


13 Sliding Door Sill Detail
6" = 1'-0"

14 Sliding Door Head Receptor Detail
6" = 1'-0"



E Floors 2 - 12 Typical Sliding Doors
3/8" = 1'-0"



D Floors 2 - 12 Typical Sliding Doors
3/8" = 1'-0"

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	01/05/15	Facade Design Assist Bid Documents

KEY PLAN

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Exterior Envelope Consultant:
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129 WEST 27th STREET
NEW YORK, NY, 212-254-0030

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 14107

DOB NO.: XXXXX

DRAWING TITLE:

SLIDING TERRACE DOOR DETAILS

SCALE: PAGE: OF XXXX

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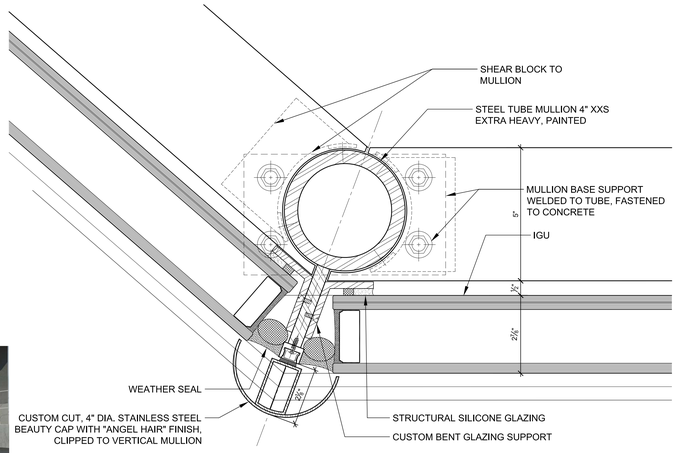
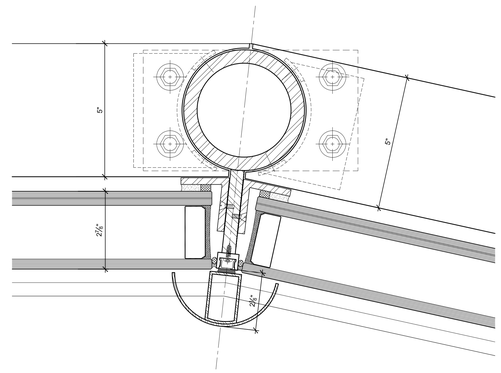
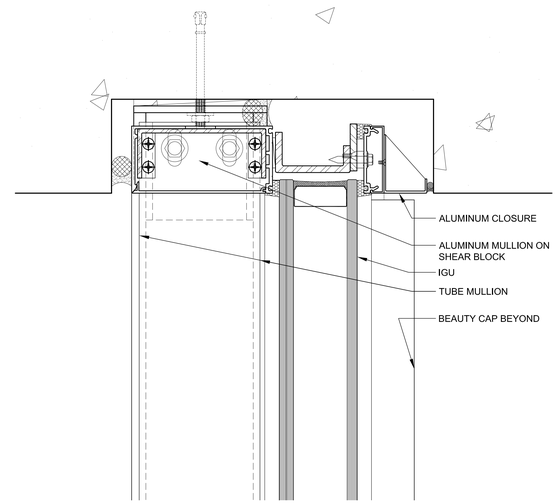
Rendering - Facetted Storefront



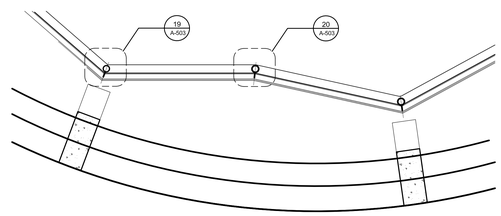
19 Acute Angle Mullion Facetted Storefront
6" = 1'-0"



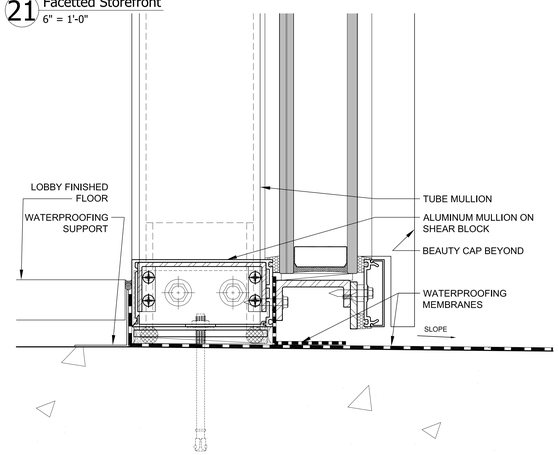
20 Obtuse Angle Mullion Facetted Storefront
6" = 1'-0"



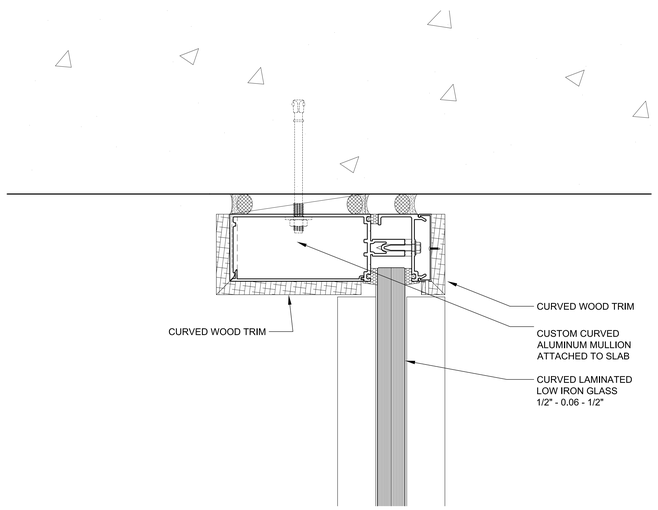
21 Head Detail Facetted Storefront
6" = 1'-0"



F Typical Bay - Facetted Storefront
3/8" = 1'-0"

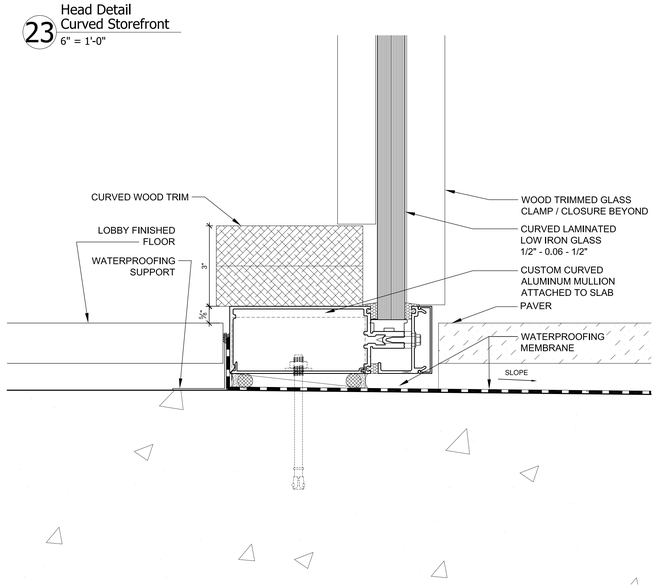


22 Sill Detail Facetted Storefront
6" = 1'-0"

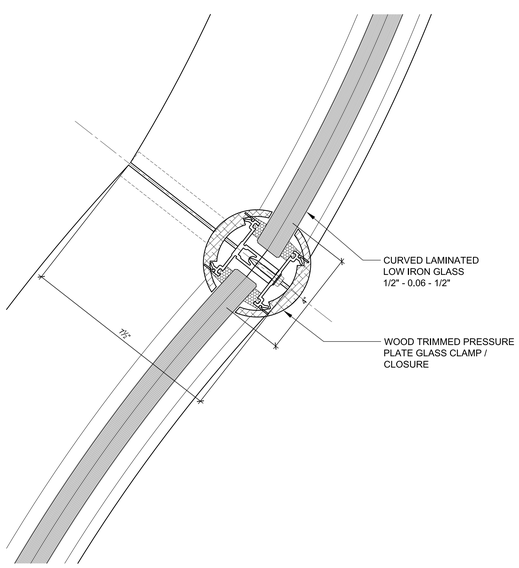


23 Head Detail Curved Storefront
6" = 1'-0"

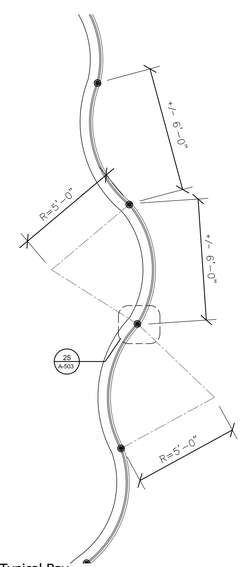
Rendering - Courtyard



24 Sill Detail Curved Storefront
6" = 1'-0"



25 Glass Joint Detail Curved Storefront
6" = 1'-0"



G Typical Bay - Curved Storefront
3/8" = 1'-0"

Rendering - Curved Storefront

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	01/05/15	Facade Design Assist Bid Documents

KEY PLAN

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Exterior Envelope Consultant:
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NEW YORK, NY, 212-254-0030

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 14107

DOB NO.: XXXXX

DRAWING TITLE:

STOREFRONT DETAILS

SCALE: PAGE: OF XXXX

A-503.00

DOB BSCAN STICKER

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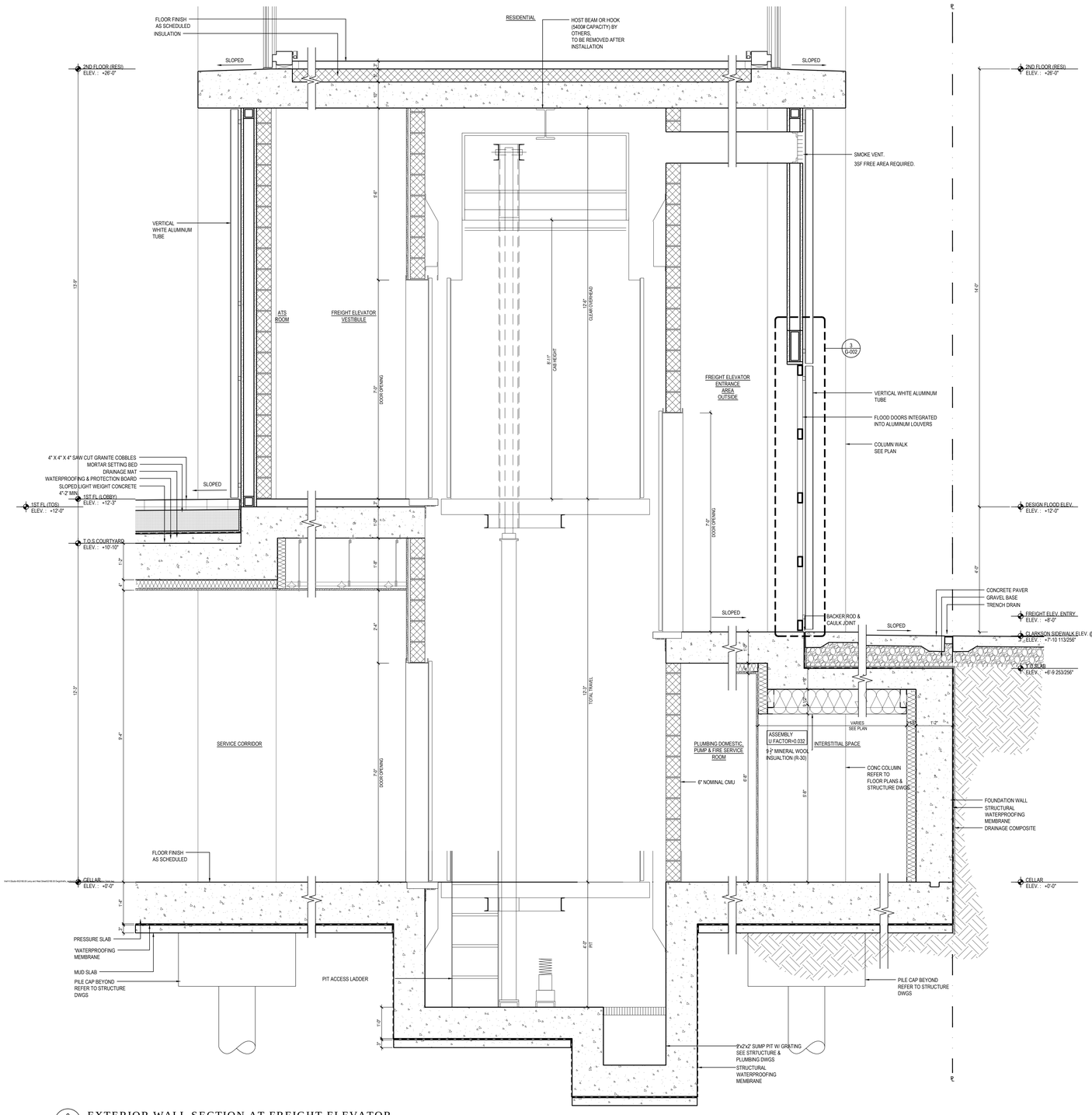
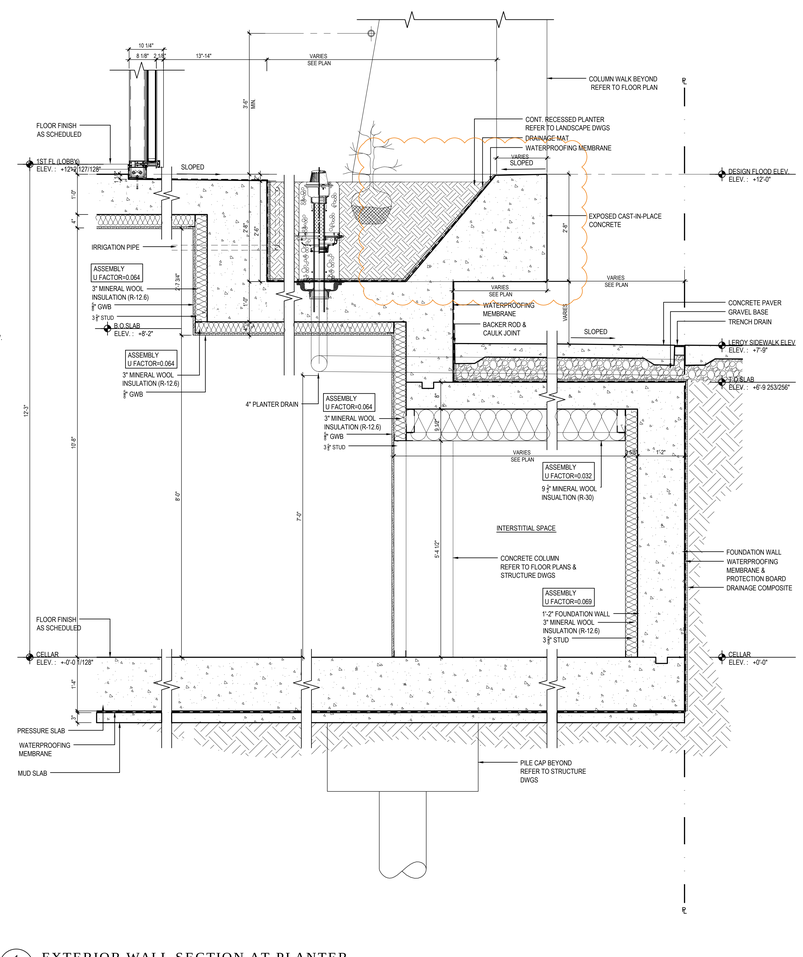
01/05/2015

Preliminary

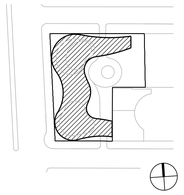


2 A-605 EXTERIOR WALL SECTION AT FREIGHT ELEVATOR
SCALE: 3/4" = 1'-0"



1 A-605 EXTERIOR WALL SECTION AT PLANTER
SCALE: 3/4" = 1'-0"

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



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PROJECT NO.: 53181.00.9

DOB NO.: 121330611

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SCALE: 3/4"=1'-0" PAGE: 36 OF 103

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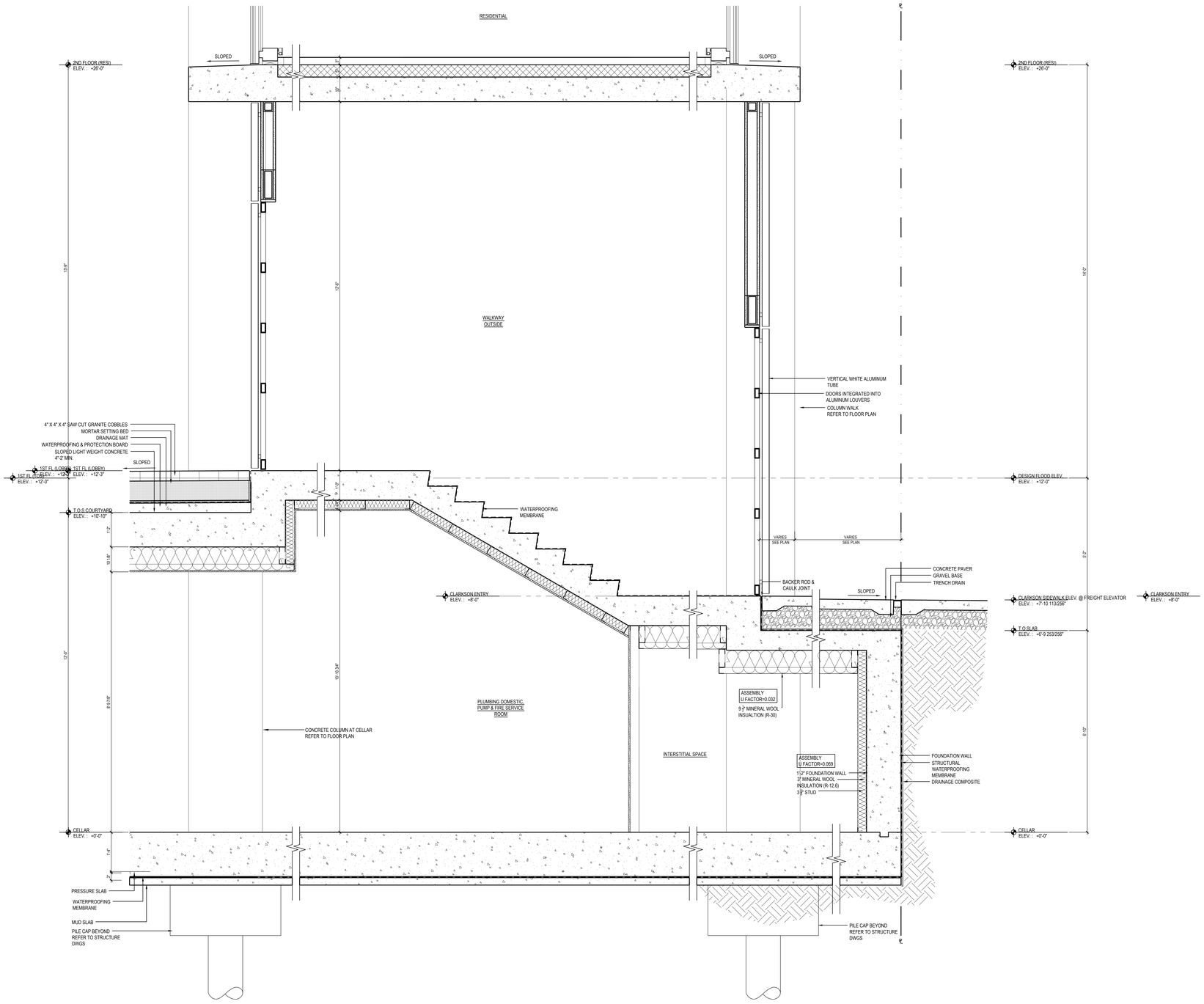

1 A-606 SECTION AT EXTERIOR STAIRS

SCALE: 3/4" = 1'-0"

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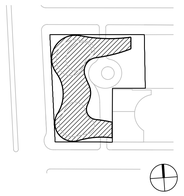

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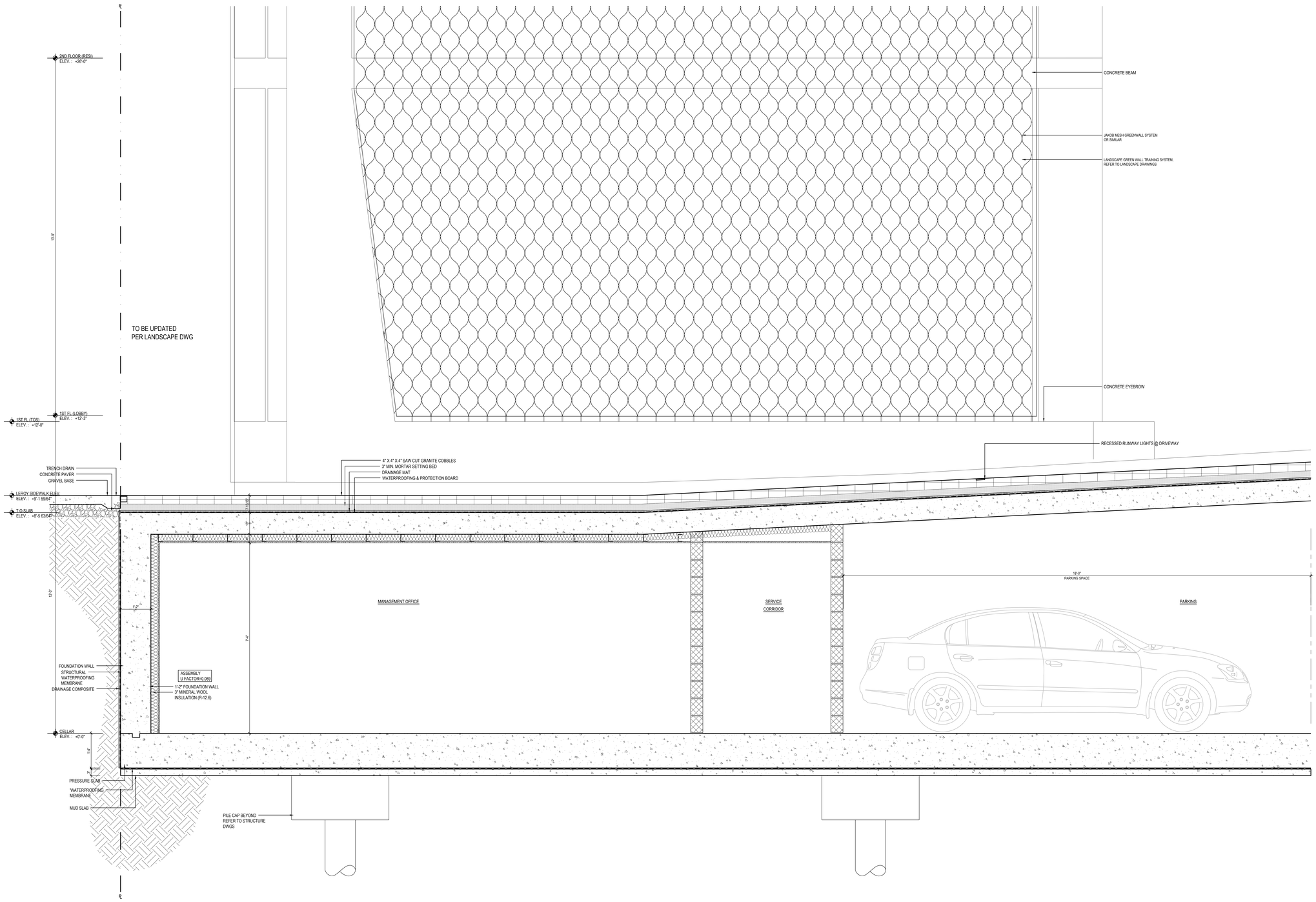

1 / A-607 SECTION AT DROP-OFF RAMP

SCALE: 3/4" = 1'-0"

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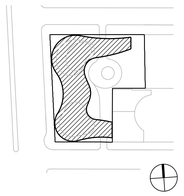

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SCALE: 3/4"=1'-0" PAGE: 38 OF 103

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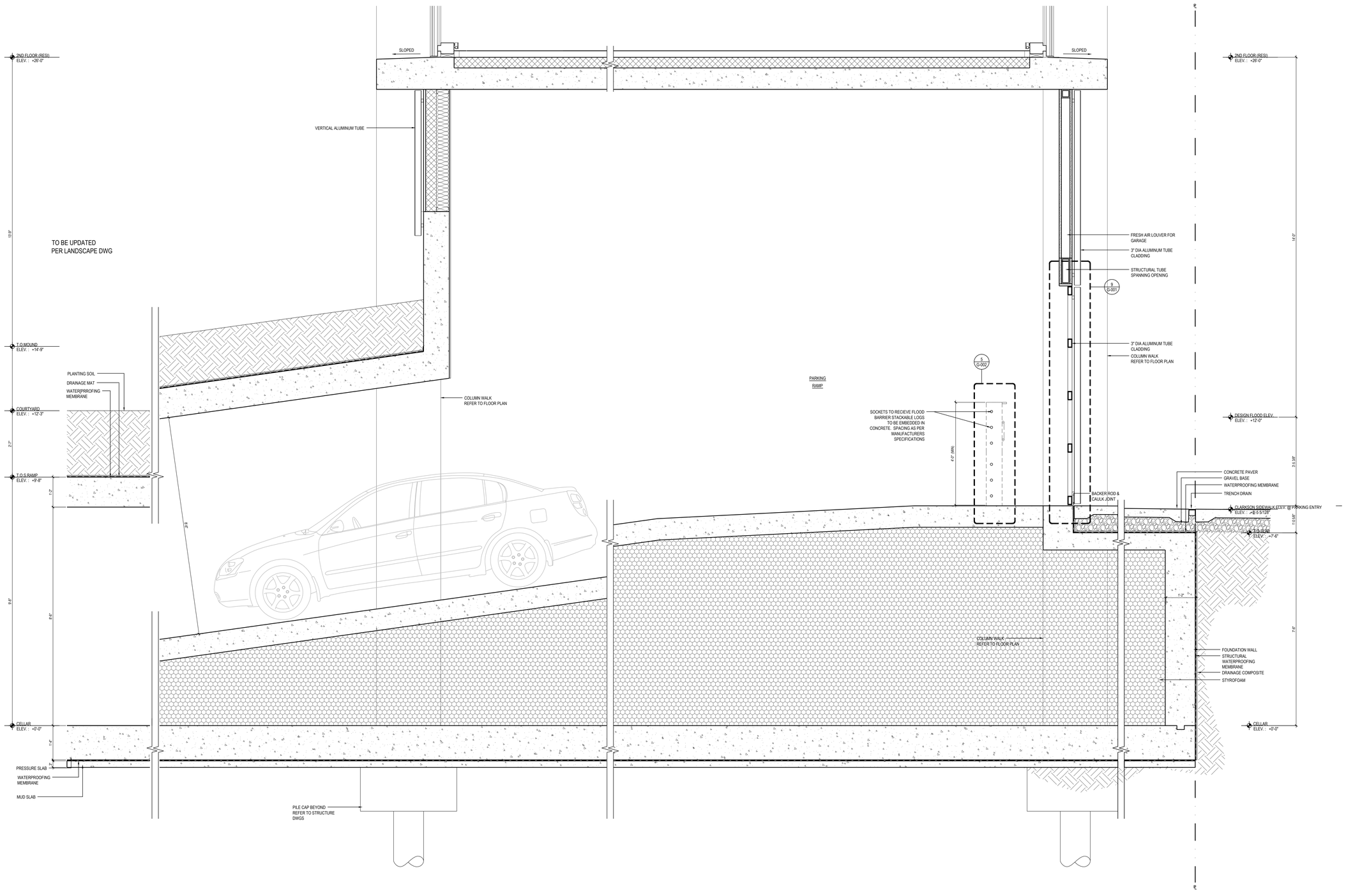

1 A-308 SECTION AT GARAGE RAMP

SCALE: 3/4" = 1'-0"

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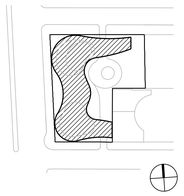

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SCALE: 3/4"=1'-0" PAGE: 39 OF 103

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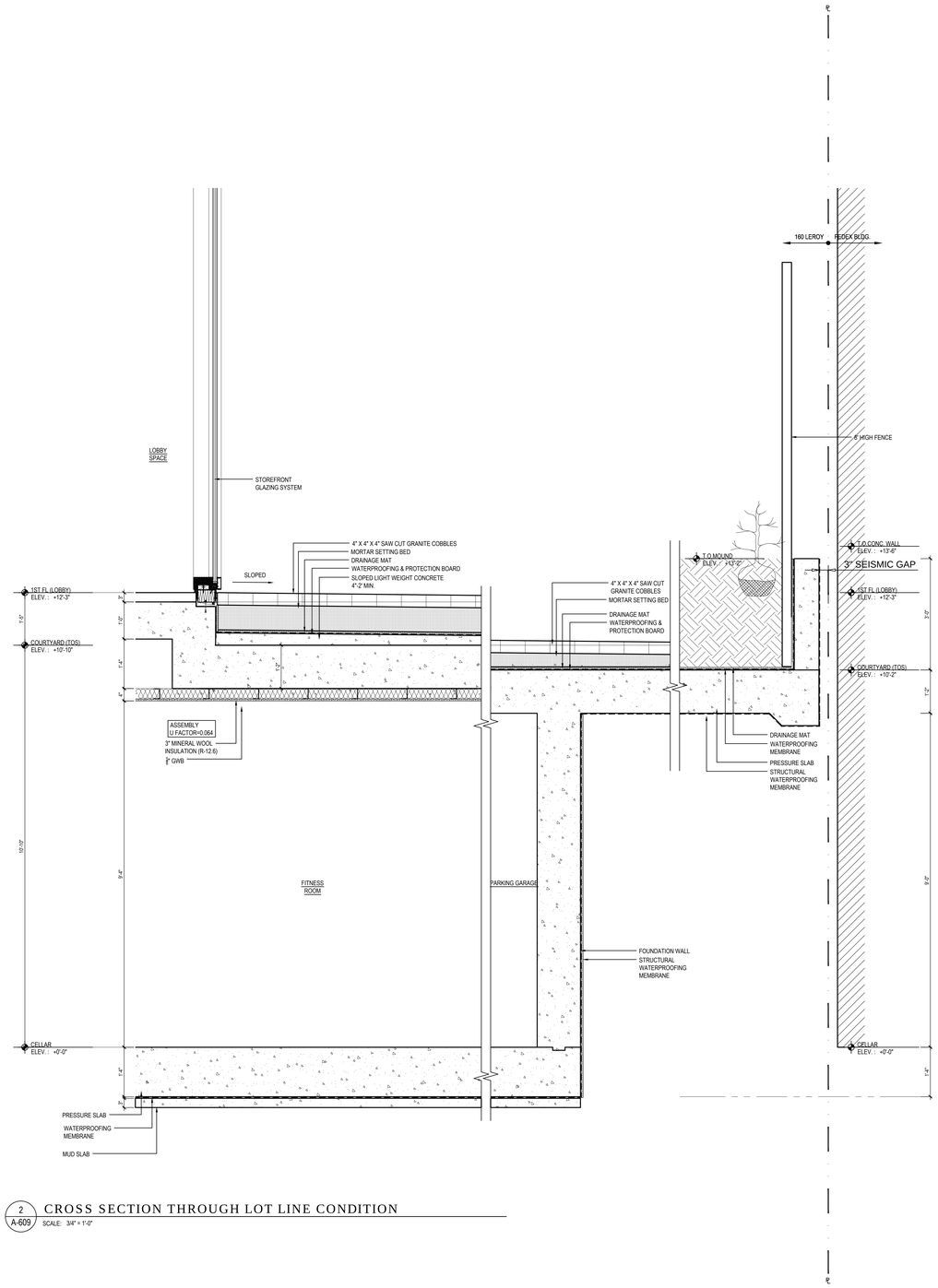
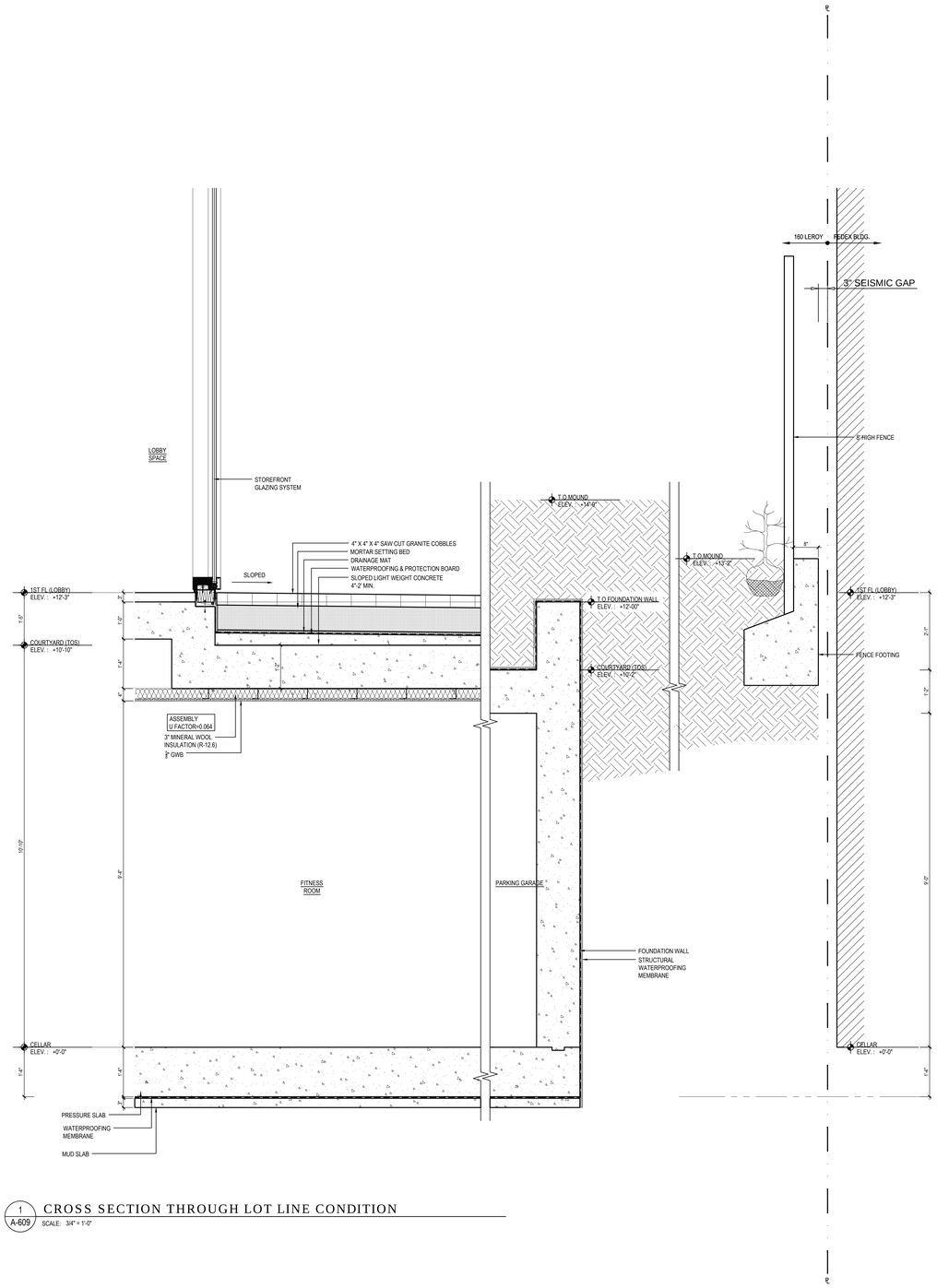


2 A-609 CROSS SECTION THROUGH LOT LINE CONDITION

SCALE: 3/4" = 1'-0"



1 A-609 CROSS SECTION THROUGH LOT LINE CONDITION

SCALE: 3/4" = 1'-0"

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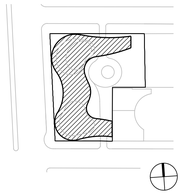

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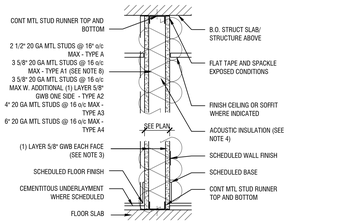
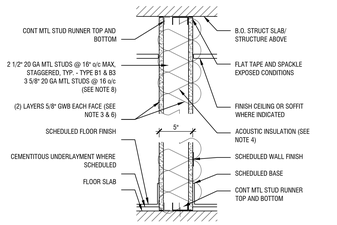


TYPE A: UNRATED
TYPE A1: UNRATED
TYPE A2: UNRATED
STC RATING: 47 WITH INSULATION

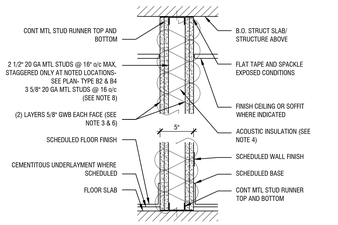
A A1 A2 A3 A4 GWB PARTITION
SCALE: 1 1/2" = 1'-0"



TYPE B1 & B3: ONE HOUR FIRE RATING - SIM UL U419; BSA # 301-605M W/ 2 1/2" 20 GA STUDS.

STC RATING: 48 WITHOUT INSULATION / 56 WITH INSULATION

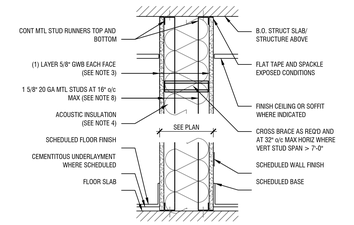
B1 B3 GWB PARTITION
SCALE: 1 1/2" = 1'-0"



TYPE B2 & B4: TWO HOUR FIRE RATING - UL U419; BSA # 301-605M

STC RATING: 48 WITHOUT INSULATION / 56 WITH INSULATION

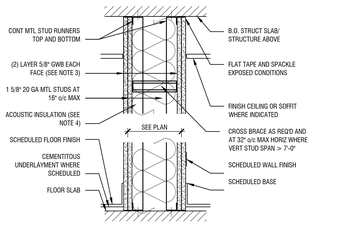
B2 B4 GWB PARTITION
SCALE: 1 1/2" = 1'-0"



TYPE C: UNRATED
TYPE C1: ONE HOUR FIRE RATING - UL U420; BSA # 301-605M

STC RATING: 52 WITH INSULATION

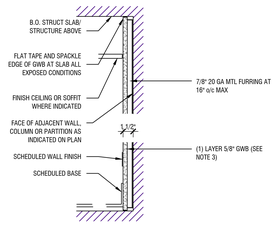
C C1 CHASE WALL
SCALE: 1 1/2" = 1'-0"



TYPE C2: TWO HOUR FIRE RATING - UL U420; BSA # 301-605M

STC RATING: 55 WITH INSULATION

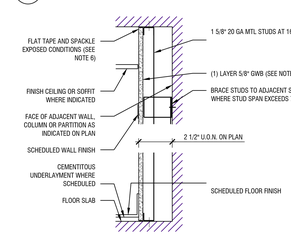
C2 CHASE WALL
SCALE: 1 1/2" = 1'-0"



TYPE E: UNRATED

STC RATING: N/A

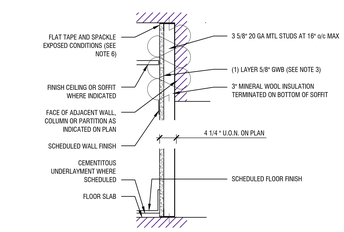
E FURRED GWB FINISH @ INTERIOR
SCALE: 1 1/2" = 1'-0"



TYPE F: UNRATED

STC RATING: N/A

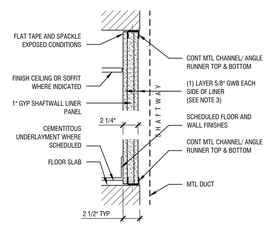
F FURRED GWB FINISH @ INTERIOR
SCALE: 1 1/2" = 1'-0"



TYPE F: UNRATED

STC RATING: N/A

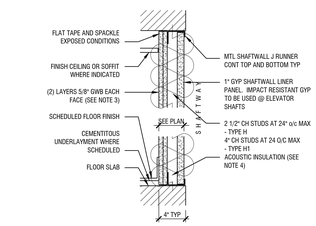
F1 FURRED GWB FINISH @ INTERSTITIAL SPACE
SCALE: 1 1/2" = 1'-0"



TYPE G: TWO HOUR FIRE RATED - UL U529; BSA # 898-473M

STC RATING: N/A

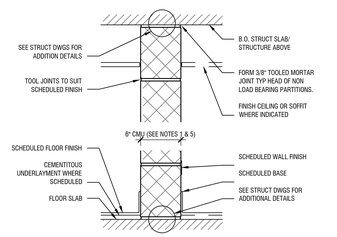
G GYP SHAFTWALL
SCALE: 1 1/2" = 1'-0"



TYPE H: TWO HOUR FIRE RATED - UL U415; BSA # 354-76 SM

STC RATING: 39 WITHOUT INSULATION / 47 WITH INSULATION

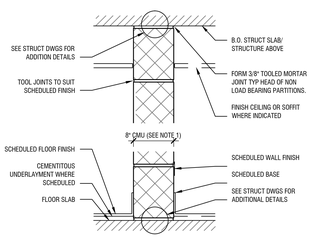
H1 H GYP SHAFTWALL
SCALE: 1 1/2" = 1'-0"



TYPE K2: 6" CMU PARTITION TWO HOUR FIRE RATING - UL U906 USING BLOCK D-2; MEA # 1-74 M

STC RATING: N/A

K2 FURRED CMU WALL
SCALE: 1 1/2" = 1'-0"



TYPE K3: 8" CMU THREE HOUR FIRE RATING - UL U904 USING BLOCK D-2; MEA # 1-74 M

STC RATING: N/A

K3 FURRED CMU WALL
SCALE: 1 1/2" = 1'-0"

PARTITION NOTES

1. SEE SECTION 04200 "UNIT MASONRY" FOR ADDITION UNIT MASONRY REQUIREMENTS, INCLUDING REQUIRED JOINT REINFORCEMENT. WALLS AND PARTITIONS INDICATED ON THE STRUCT DWGS ARE LOAD BEARING AND STRUCTURAL. FOLLOW ADDITIONAL DETAILS AND NOTES AS MAY BE INDICATED ON STRUCT DWGS FOR SUCH LOAD BEARING WALLS AND PARTITIONS.

2. SEE SPECIFICATION SECTION 09260 "GYPSUM BOARD ASSEMBLIES" FOR ADDITIONAL REQUIREMENTS REGARDING GYPSUM PARTITION AND SHAFTWALL CONSTRUCTION.

3. PROVIDE 5/8" MOISTURE RESISTANT GYPSUM WALL BOARD IN LIEU OF STANDARD GRADE GYPSUM WALL BOARD ON THE FACE LAYER OF ALL PARTITIONS AND SOFFITS WITH BATHROOMS, EXCEPT PROVIDE 5/8" GLASS MAT GYPSUM WALL BOARD EN LIEU MOISTURE RESISTANT GYPSUM WALL BOARD ON THE FACE LAYER OF PARTITIONS AND SOFFITS SURROUNDING BATHTUBS AND SHOWERS.

4. PROVIDE ACOUSTIC INSULATION PER SPECIFICATION SECTION 09260 "GYPSUM BOARD ASSEMBLIES" WITHIN PARTITIONS SEPARATING APARTMENT UNITS AND WITHIN PARTITIONS SEPARATING APARTMENT UNITS FROM CORRIDORS, LAUNDRY ROOMS, REFUSE ROOMS, AND OTHER COMMON SPACES.

5. 6" CMU FILL 100% SOLID AT REFUSE CHUTE ENCLOSURE.

6. PROVIDE 5/8" HIGH IMPACT GYPSUM WALL BOARD WITH A TESTED RATING OF ASTM C 1629-06 AND IMPACT CLASSIFICATION LEVEL 2 IN LIEU OF STANDARD GRADE GYPSUM WALL BOARD ON THE FACE LAYER OF ALL PARTITIONS AND SOFFITS WITHIN EGRESS STAIRS AND ON FIRST LAYER ATTACHED TO STUD ON CORRIDOR/APARTMENT SIDE OF STAIR. ALL STUDS SHALL BE A MINIMUM OF 3-1/2" DEEP WITH A 20 GAUGE THICKNESS AND VERTICAL STUDS SHALL BE SPACED AT A MAXIMUM 24" ON CENTER. JOINTS BETWEEN ADJOINING SHEETS OF WALL BOARD SHALL BE STAGGERED FROM BASE LAYER WITH FACE PANEL LAYER.

7. FUR OUT ELEVATOR IMPACT RESISTANT CONCRETE SHEAR WALLS ON APT/ CORRIDOR SIDE, TYPICAL. REFER TO FLOOR PLANS AND PARTITION TYPE FOR FURRING INFORMATION.

8. PROVIDE COLD-ROLLED CHANNEL FOR LATERAL BRACING WHERE VERTICAL STUD SPAN EXCEED 18'-5" EXCEPT WHERE OTHER PARTITION INTERSECTS IN SPACING OF MAXIMUM 16-5".

9. FOR ALL NON RATED PARTITIONS WITHIN EACH UNIT, ONLY EXTEND THE GWB, 6" ABOVE CEILING HEIGHT.

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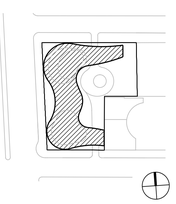

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Acoustical Engineer:
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PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

PARTITION TYPES & NOTES

SCALE: N.T.S. PAGE: 41 OF 103

A-700.00

DOB BSCAN STICKER

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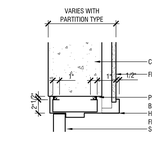
02/13/2013



H7 DOOR HEAD DETAIL
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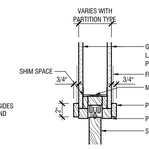

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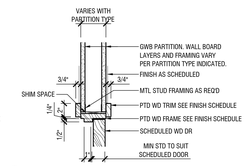

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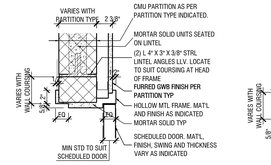

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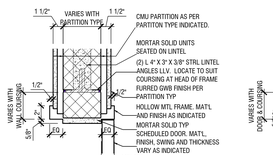

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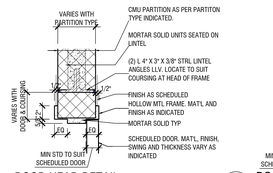

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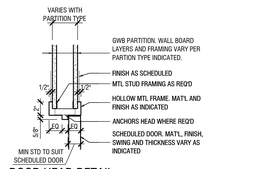

H1 DOOR HEAD DETAIL
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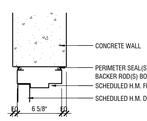
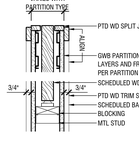


J7 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



J6 DOOR JAMB DETAIL
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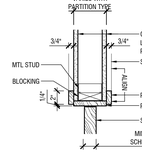

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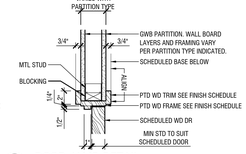
SCALE: 1 1/2" = 1'-0"



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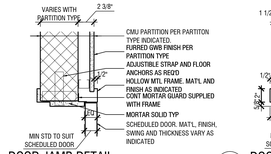
SCALE: 1 1/2" = 1'-0"



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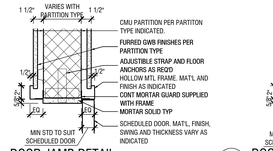
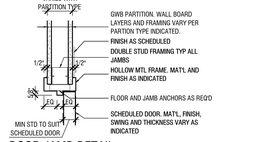
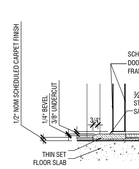
SCALE: 1 1/2" = 1'-0"



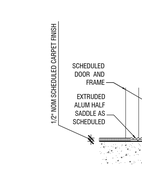
J2 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



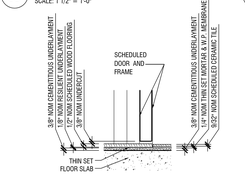
J1 DOOR JAMB DETAIL
SCALE: 1 1/2" = 1'-0"



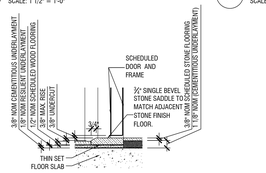
S7 SILL DETAIL @ APT. ENTRY DOORS
SCALE: 1 1/2" = 1'-0"



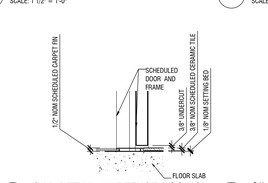
S6 SILL DETAIL @ STAIRS/CORRIDORS
SCALE: 1 1/2" = 1'-0"



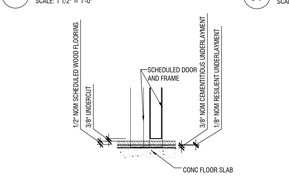
S5 SILL DETAIL @ APT. LDRY CLOSET'S
SCALE: 1 1/2" = 1'-0"



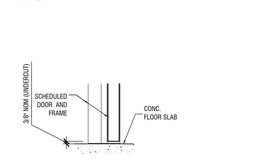
S4 SILL DETAIL @ APT. BATHROOM DOORS
SCALE: 1 1/2" = 1'-0"



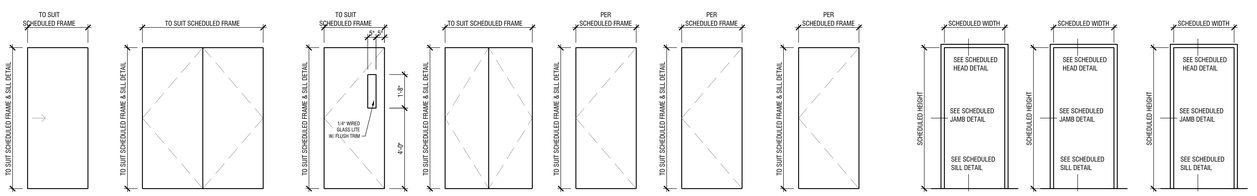
S3 SILL DETAIL @ REFUSE ROOMS
SCALE: 1 1/2" = 1'-0"



S2 SILL DETAIL @ APT. INTERIOR DOORS
SCALE: 1 1/2" = 1'-0"



S1 SILL DETAIL @ UNFINISH FLOOR SLAB
SCALE: 1 1/2" = 1'-0"



PAINTED 1 3/4" SOLID CORE WOOD DOOR	PAINTED 1 3/4" H.M. FLUSH DOOR PAIR	PAINTED 1 3/4" H.M. FLUSH DOOR	PAINTED 1 3/4" SOLID CORE WOOD DOOR FLUSH	PAINTED 1 3/4" SOLID CORE WOOD FIRE RATED FIRE DOOR- FLUSHED	PAINTED 1 3/4" SOLID CORE WOOD FLUSH DOOR	PAINTED 1 3/4" H.M. FLUSH DOOR
DOOR TYPE F	DOOR TYPE E	DOOR TYPE D	DOOR TYPE C	DOOR TYPE B1	DOOR TYPE B	DOOR TYPE A

GENERAL NOTES:

1. REFER TO PLANS FOR ACTUAL SWING DIRECTION.

2 DOOR TYPE
SCALE: 3/8" = 1'-0"

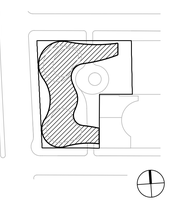
PAINTED WOOD FIRE RATED FRAME	PAINTED WOOD FRAME	PAINTED HOLLOW MTL FRAME
FRAME TYPE B1	FRAME TYPE B	FRAME TYPE A

1 FRAME TYPE
SCALE: 3/8" = 1'-0"

DOOR SCHEDULE

DOOR TAG	TYPICAL ROOM/SPACE	NOMINAL WIDTH	NOMINAL HEIGHT	DOOR TYPE	FRAME TYPE	JAMB DETAIL	HEAD DETAIL	SILL DETAIL	HARDWARE SET	FIRE RATING	NOTES
APARTMENT											
A	APARTMENT ENTRY	3'-0"	8'-0"	B1	B1	J1	H1	S7	-	1 1/2 HR	
B	BEDROOM	3'-0"	8'-0"	B	B	J1	H1	S2	-	UNRATED	
B1	BEDROOM (SLIDING)	3'-2"	8'-0"	F	B	J6	H6	S2	-	UNRATED	
B2	GREAT ROOM	3'-0"	8'-0"	B	B	J1	H1	S2	-	UNRATED	
B2	GREAT ROOM (SLIDING)	3'-2"	8'-0"	F	B	J6	H6	S2	-	UNRATED	
C	BATH / POWDER ROOM	3'-0"	8'-0"	B	B	J1	H1	S4	-	UNRATED	
C1	BATH/ POWDER ROOM (SLIDING)	3'-2"	8'-0"	F	B	J1	H1	S4	-	UNRATED	
D	WALK-IN CLOSET	3'-0"	8'-0"	B	B	J1	H1	S2	-	UNRATED	
D1	WALK-IN CLOSET (SLIDING)	3'-0"	8'-0"	F	B	J1	H1	S2	-	UNRATED	
E	LAUNDRY/ CLOSET	3'-0"	8'-0"	B	B	J1	H1	S5	-	UNRATED	
F	CLOSET	VARIES	8'-0"	C	B	J1	H1	S2	-	UNRATED	
K	PANTRY	3'-0"	8'-0"	B	B	J1	H1	S2	-	UNRATED	
K1	PANTRY (SLIDING)	3'-0"	8'-0"	B	B	J1	H1	S2	-	UNRATED	
BOH/SERVICE DOOR											
R	REFUSE ROOM	3'-0"	8'-0"	A	A	J7	H7	S3	-	1 1/2 HR	
R1	REFUSE ROOM - LOBBY	3'-0"	8'-0"	A	A	J7	H7	-	-	1 1/2 HR	
S	STAIR	3'-0"	8'-0"	D	A	J7	H7	S6	-	1 1/2 HR	
S1	STAIR LOBBY	3'-0"	8'-0"	D	A	J7	H7	-	-	1 1/2 HR	
S2	STAIR LOBBY	3'-0"	8'-0"	D	A	J7	H7	-	-	1 1/2 HR	
S3	STAIR CELLAR	3'-0"	8'-0"	D	A	J7	H7	-	-	1 1/2 HR	
S4	STAIR ROOF	3'-0"	8'-0"	D	A	J7	H7	-	-	1 1/2 HR	
T	TELECOM/A.V. CLOSET	3'-0"	8'-0"	A	A	J1	H1	-	-	1 1/2 HR	
U	ELEC. CLOSET	3'-0"	8'-0"	A	A	J1	H1	-	-	1 1/2 HR	
GROUND, CELLAR & ROOF											
M	MECHANICAL/BOH	3'-0"	8'-0"	A	A	J4	H4	-	-	1 1/2 HR	
M1	MECHANICAL/BOH	3'-0"	8'-0"	A	A	J4	H4	-	-	2 1/2 HR	
M2	MECHANICAL/BOH	3'-0"	7'-0"	A	A	J2	H2	-	-	1 1/2 HR	
M3	MECHANICAL/BOH	3'-0" + 2'-0"	8'-0"	E	A	J4	H4	-	-	1 1/2 HR	
M4	MECHANICAL/BOH	3'-0"	8'-0"	A	A	J4	H4	-	-	1 1/2 HR	
M5	MECHANICAL/BOH	3'-0"	8'-0"	A	A	J4	H4	-	-	2 1/2 HR	
M6	MECHANICAL/BOH	3'-0" + 2'-0"	7'-0"	E	A	J2	H2	-	-	1 1/2 HR	
M7	MECHANICAL/BOH	3'-0" X 2	7'-0"	E	A	J2	H2	-	-	1 1/2 HR	
M8	MECHANICAL/BOH	3'-0" X 2	7'-0"	E	A	J4	H4	-	-	1 1/2 HR	
M9	MECHANICAL/BOH	3'-0"	7'-0"	A	A	J1	H1	-	-	1 1/2 HR	
G	RETAIL STAIR	3'-0"	8'-0"	A	A	J1	H1	-	-	1 1/2 HR	
G1	RETAIL TOILET	3'-0"	8'-0"	A	A	J1	H1	-	-	UNRATED	
G2	RETAIL (SLIDING)	3'-0"	8'-0"	E	A	J1	H1	-	-	1 1/2 HR	
H	AMENITY	3'-0"	8'-0"	A	A	J1	H1	-	-	1 1/2 HR	
H1	AMENITY	3'-0"	8'-0"	A	A	J1	H1	-	-	UNRATED	
J	AMENITY - POOL	3'-0"	8'-0"	A	A	J1	H1	-	-	1 1/2 HR	
J1	AMENITY - POOL	3'-0"	8'-0"	A	A	J1	H1	-	-	1 1/2 HR	
L	AMENITY - FITNESS	3'-0"	8'-0"	SEE INT. SFRONT	DETAILS	SEE INT. SFRONT	DETAILS	SEE INT. SFRONT	DETAILS	1 1/2 HR	
L1	AMENITY - FITNESS	3'-0" X 2	8'-0"	SEE INT. SFRONT	DETAILS	SEE INT. SFRONT	DETAILS	SEE INT. SFRONT	DETAILS	1 1/2 HR	
L2	AMENITY - YOGA	3'-0"	8'-0"	SEE INT. SFRONT	DETAILS	SEE INT. SFRONT	DETAILS	SEE INT. SFRONT	DETAILS	1 1/2 HR	
L3	AMENITY - SHOWER & TOILET	3'-0"	8'-0"	A	A	J1	H1	-	-	UNRATED	
L4	AMENITY - SAUNA, STEAM & SPA	3'-0"	8'-0"	A	A	J1	H1	-	-	UNRATED	
N	LOBBY STORAGE	3'-0"	8'-0"	A	A	J1	H1	-	-	1 1/2 HR	
P	BLDG STOR.	3'-0"X2	8'-0"	E	A	J1	H1	-	-	1 1/2 HR	
EXTERIOR											
AA	BIKE ROOM	3'-0"	8'-0"	A	A	-	-	-	-	UNRATED	
BB	SERVICE VESTIBULE	3'-0" X 2	8'-0"	E	A	-	-	-	-	UNRATED	
CC	EGRESS STAIR	3'-0"	8'-0"	A	A	-	-	-	-	UNRATED	
DD	PARKING GATE	6'-0" X 2	8'-0"	A	A	-	-	-	-	UNRATED	
EE	COURTYARD STAIR GATE	6'-0"	8'-0"	A	A	-	-	-	-	UNRATED	
FF	FREIGHT ELEVATOR	6'-0" X 2	8'-0"	E	A	-	-	-	-	UNRATED	
GG	ROOF TERRACE	3'-0"	8'-0"	A	A	-	-	-	-	1 1/2 HR	

NO.	DATE	REVISION
2	03/04/2015	50% DD PROGRESS SET
1	02/13/2015	FOUNDATION FILING SET



KEY PLAN

S9 an affiliate of Perkins Eastman Architects, PC
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F. 212.353.7676

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Vertical Transport Consultant:
VAN DEUSEN & ASSOCIATES
5 REGENT STREET, SUITE 524
LIVINGSTON, NJ, 973.994.9220

PROJECT TITLE:

160 LEROY STREET

160 Leroy Street
NEW YORK, NY

PROJECT NO.: 53181.00.9

DOB NO.: 121330611

DRAWING TITLE:

DOOR SCHEDULE & DETAILS

SCALE: N.T.S. PAGE: 42 OF 103

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DOB BSCAN STICKER

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02/13/2013

Appendix B

Citizen Participation Plan

APPENDIX B
CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation and 160 Leroy, LLC (the enrollee) have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Voluntary Cleanup Program (VCP). This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC VCP, the enrollee will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, Amanda Duchesne, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at (212) 788-8841.

Project Contact List: OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project

manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories: A document repository is maintained in the nearest public library that maintains evening and weekend hours. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. The library nearest the Site is:

New York Public Library - Hudson Park Library

66 Leroy Street

New York, NY

Phone: (212) 243-6876

Hours:

Monday, Wednesday: 11:00 a.m. to 6:00 p.m.

Tuesday, Thursday: 12:00 p.m. to 7:00 p.m.

Friday, Saturday: 10:00 a.m. to 5:00 p.m.

Sunday: Closed

Digital Documentation: NYC OER strongly encourages the use of digital documents in repositories as a means of minimizing paper use while also increasing convenience in access and ease of use.

Public Notice and Public Comment: Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by the enrollee, reviewed and approved by OER prior to distribution and mailed by the enrollee. Public comment is solicited in public notices for all work plans developed under the NYC VCP. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

Citizen Participation Milestones: Public notice and public comment activities occur at several steps during a typical NYC VCP project. See flow chart on the following page, which identifies when during the NYC VCP public notices are issued. These steps include:

- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan.**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

- **Public Notice announcing the approval of the RAWP and the start of remediation**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.

- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion.

Appendix C
Sustainability Statement

APPENDIX C
SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

Reuse of Clean, Recyclable Materials: Reuse of clean, locally-derived recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction.

An estimate of the quantity (in tons) of clean, non-virgin materials (reported by type of material) reused under this plan will be quantified and reported in the Remedial Action Report (RAR).

Reduce Consumption of Virgin and Non-Renewable Resources: Reduced consumption of virgin and non-renewable resources lowers the overall environmental impact of the project on the region by conserving these resources.

An estimate of the quantity (in tons) of virgin and non-renewable resources, the use of which will be avoided under this plan, will be quantified and reported in the RAR.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency: Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the RAR. Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

Conversion to Clean Fuels: Use of clean fuel improves NYC's air quality by reducing harmful emissions.

An estimate of the volume of clean fuels used during remedial activities will be quantified and reported in the RAR.

Recontamination Control: Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-Site.

An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

Storm-water Retention: Storm-water retention improves water quality by lowering the rate of combined storm-water and sewer discharges to NYC's sewage treatment plants during periods of precipitation, and reduces the volume of untreated influent to local surface waters.

An estimate of the enhanced storm-water retention capability of the redevelopment project will be included in the RAR.

Linkage with Green Building: Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use.

The number of Green Buildings that are associated with this brownfield redevelopment property will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential, commercial and industrial/manufacturing uses.

Paperless Brownfield Cleanup Program: 160 Leroy, LLC is participating in OER's Paperless Brownfield Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

Low-Energy Project Management Program: 160 Leroy, LLC is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

Trees and Plantings: Trees and other plantings provide habitat and add to NYC's environmental quality in a wide variety of ways. Native plant species and native habitat provide optimal support to local fauna, promote local biodiversity, and require less maintenance.

An estimate of the land area that will be vegetated, including the number of trees planted or preserved, will be reported in square feet in the RAR.

Appendix D

Soil and Materials Management Plan

APPENDIX D
SOIL AND MATERIALS MANAGEMENT PLAN

1.1 SOIL SCREENING METHODS

Visual, olfactory and photoionization device (PID) soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the Remedial Action Report (RAR). Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Completion.

1.2 STOCKPILE METHODS

Excavated soil from suspected areas of contamination (e.g., hot spots, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 CHARACTERIZATION OF EXCAVATED MATERIALS

Soil/fill or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-Site will be managed as defined in this plan.

1.4 MATERIALS EXCAVATION, LOAD-OUT, AND DEPARTURE

The Professional Engineer (PE)/Qualified Environmental Professional (QEP) overseeing the remedial action will:

- Oversee remedial work and the excavation and load-out of excavated material;
- Charge the enrollee and/or their contractor(s) with ensuring that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- Ensure that Site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this Remedial Action Work Plan (RAWP);
- Ensure that the enrollee and/or their contractor(s) are charged with investigating the presence of utilities and easements on the Site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- Ensure that the enrollee and/or their contractor(s) are charged with inspecting loaded outbound trucks and cleaning them if necessary before leaving the Site;
- Ensure that all egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during Site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 OFF-SITE MATERIALS TRANSPORT

Loaded vehicles leaving the Site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with

applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364 when required. Truck liners will be used if loads contain wet material capable of causing leakage from trucks.

Outbound truck transport routes are provided on Figure 12 of the RAWP. The specified routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-Site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with site materials will travel from the site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project Site.

1.6 MATERIALS DISPOSAL OFF-SITE

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the Site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Enrollee to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation Site in Manhattan, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or enrollee. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

The RAR will include an itemized account of the destination of all material removed from the Site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RAR.

All impacted soil/fill or other waste excavated and removed from the Site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations.

Historic fill and contaminated soil taken off-Site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-Site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-Site transportation of exported materials will be employed. Manifest information will be reported in the RAR. Hazardous wastes derived from on-Site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

If disposal of soil/fill from this Site is proposed for unregulated disposal (i.e., clean soil removed for development purposes), including transport to a Part 360-16 Registration Facility, a formal request will be made for approval by OER with an associated plan compliant with 6NYCRR Part 360-16. This request and plan will include the location, volume and a description of the material to be recycled, including verification that the material is not impacted by site uses and that the material complies with receipt requirements for recycling under 6NYCRR Part 360. This material will be appropriately handled on-Site to prevent mixing with impacted material.

1.7 MATERIALS REUSE ON-SITE

Although not anticipated, soil and fill derived from the property that meets the Track 4 Site-Specific Soil Cleanup Objectives (SCOs) established in the RAWP may be reused on-site. 'Reuse on-site' means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to the NYC VCP agreement subject to Engineering and Institutional Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the Site and that procedures defined for material reuse in this RAWP are followed.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the Site will not be buried on-Site. Soil or fill excavated from the Site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

1.8 DEMARCATION

Compliance with Section 1.8 of this Soil and Materials Management Plan (SMMP) will be required only if a Track 1 remedy is not achieved.

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by one of three methods: (1) placement of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the SMP; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the Site and all associated documentation will be presented in the RAR.

This demarcation will constitute the top of the site management horizon. Materials within this horizon require adherence to special conditions during future invasive activities as defined in the Site Management Plan.

1.9 IMPORT OF BACKFILL SOIL FROM OFF-SITE SOURCES

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this Site. The backfill and clean cover soil quality objectives will correspond to Track 4 Site-Specific SCOs.

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Virgin, native stone from a mine or quarry;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of New York State Department of Environmental Conservation (NYSDEC).

All materials received for import to the Site will be approved by a PE/QEP and will be in compliance with provisions in this RAWP. The RAR will report the source of the fill, evidence that an inspection was performed on the source, analytical sampling results, frequency of testing, and a site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- The enrollee and/or their contractor(s) will ensure that trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a frequency in accordance with CP-51 Soil Cleanup Guidance Table 4, or at a lesser frequency negotiated with the OER, depending on the proposed source material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the Site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RAR. A PE/QEP is responsible to ensure that the facility is compliant with 6 NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities and virgin sand, gravel, rock or stone from mines, quarries or facilities permitted or registered by the NYSDEC or the applicable state of origin will not require additional testing, unless required by NYSDEC or other state agency, under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.10 FLUIDS MANAGEMENT

All liquids to be removed from the Site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYCDEP). The NYCDEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYCDEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by NYSDEC.

1.11 STORM-WATER POLLUTION PREVENTION

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of

inspections will be recorded in a logbook and maintained at the Site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required by the enrollee and/or their contractor(s) to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor will be repaired immediately by the enrollee and/or their contractor(s) with appropriate backfill materials. Manufacturer's recommendations will be followed by the enrollee and/or their contractor(s) for replacing silt fencing damaged due to weathering.

1.12 CONTINGENCY PLAN

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYSDEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER. Analytical testing will be performed for TAL metals, TCL volatiles and semivolatiles, TCL pesticides and PCBs, as appropriate.

1.13 ODOR, DUST, AND NUISANCE CONTROL

Odor, dust, and nuisance control are the responsibility of the enrollee and/or their contractor(s). While odor, dust, and nuisance conditions may be monitored by the PE/QEP under their responsible charge and notifications may be made to the enrollee and/or their contractor(s) regarding observations relating to same and requests for corrective action can be made, the PE/QEP will not have the authority to direct these entities to perform any corrective actions related to odors, dust, and nuisance conditions.

Odor Control

All necessary means will be employed by the enrollee and/or their contractor(s) to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled,

additional means to eliminate odor nuisances by the enrollee and/or their contractor(s) will include: (d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work by the enrollee and/or their contractor(s) will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events.

Dust Control

Dust management by the enrollee and/or their contractor(s) during invasive on-site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted by the enrollee and/or their contractor(s) and the source of dusts will be identified and corrected. Work by the enrollee and/or their contractor(s) will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events.

Other Nuisances

Noise control will be exercised by the enrollee and/or their contractor(s) during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided by the enrollee and/or their contractor(s), during Site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

1.14 IMPORT OF CLEAN COVER SOIL

About 150 tons (100 cubic yards) of soil is anticipated to be imported to the Site for use as clean cover in landscaped areas. All imported soil will be uncontaminated, clean soil that meets the lower of the appropriate NYSDEC 6 NYCRR Part 375-6.8(a) Restricted Use Restricted-Residential Use and Protection of Groundwater SCOs.

The imported uncontaminated, clean soil cover will be from an approved source/facility and will be evaluated by the PE/QEP to ensure that the following has been accomplished. Imported uncontaminated, clean soil cover will conform to the following, as evaluated by individuals reporting to the PE/QEP:

1. A segregated stockpile for about 150 tons (100 cubic yards) will be properly maintained at the source and will not be comingled with any other material prior to importing and grading the clean soil material at the Site;
2. The material will not include any solid waste, including construction and demolition material, as it is prohibited;
3. Screening for evidence of contamination by visual, olfactory and PID screening practices will occur prior to testing at the source as well as upon importing to the Site for grading is completed; and
4. A maximum five-part composite sample will be collected from the segregated stockpile at the source at a frequency in accordance with CP-51 Soil Cleanup Guidance Table 4 or at a frequency negotiated with the OER, depending on the proposed source material and analyzed for the following parameters:
    - Volatile organic compounds (VOCs) by EPA Method 8260C
    - Semivolatile organic compounds (SVOCs) by EPA Method 8270D
    - Pesticides by EPA Method 8081B
    - Polychlorinated biphenyls (PCBs) by EPA Method 8082A
    - Target Analyte List (TAL) Metals by EPA Method 6010C/7471B

Upon receipt of the segregated stockpile analytical results collected at the source, a Clean Soil Sampling Report will be submitted to the OER for review/approval prior to importing. The report will include the following:

1. Summary of number of samples collected and analyzed, tabulated data and comparison to Site-specific SCOs;
2. Analytical data sheets and chain of custody documentation;
3. Summary of about 150 tons (100 cubic yards);
4. Photographs from the segregated stockpile at the source with sample point locations identified;
5. An affidavit from the source/facility on company letterhead stating that the segregated stockpile for about 150 tons (100 cubic yards) has been properly maintained at the source and complies with the requirements listed above; and
6. A copy of source/facility permit;

Demarcation as described above will be complete prior to installation of the clean soil/fill surface cover. Upon importing and grading the OER-approved clean soil cover for about 150 tons (100 cubic yards), the following documentation will be presented in the RAR:

1. Copies of purchase invoices;
2. Truck transportation slips from the source to the Site;
3. Confirmation of about 150 tons (100 cubic yards) of the OER-approved clean soil cover material was imported and graded at the Site;
4. Site plan depicting all areas where the OER-approved clean soil cover was placed;
5. Documentation of demarcation method; and
6. Photographs documenting the importing and grading of the OER-approved clean soil cover across the Site, and where applicable, the demarcation layer.

Appendix E
Waste Characterization Report

April 22, 2015

Raymond Del Savio
AP-ISC Leroy, LLC c/o Gorton & Partners, LLC
21 West 38th Street, 6th Floor
New York, NY 10018

Re: Waste Characterization Report
160 Leroy Street
New York, New York
Langan Project No.: 170215701

Dear Mr. Del Savio:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) prepared this Waste Characterization Report for 160 Leroy Street, New York, New York (the Site). The Site is approximately 28,000 square feet and is identified as Lot 10 (formerly Lots 1, 4, 5, 8, and 10) of Block 601 on the New York City Tax Map. A site location map is presented as Figure 1. The purpose of the waste characterization is to provide information to evaluate construction costs related to the management and disposal of excess soil generated during construction and to assist the selected waste disposal contractor in gaining approval from disposal facilities.

The Site will be developed under the regulatory oversight of the New York City Office of Environmental Remediation (OER) pursuant to a Hazardous Materials and a Noise E-Designation (E-332 [effective March 11, 2014]) assigned by the New York City Department of City Planning (NYCDCP) in response to a Negative Declaration issued by the Board of Standards and Appeals (BSA) for variance action (CEQR No. 13-BSA-163M). The purpose of the variance action was to permit the construction of a mixed-use residential and commercial building within an M1-5 zoning district.

The proposed development includes construction of a 14-story mixed-used residential and commercial building with a basement; the basement will occupy the entire footprint of the Site. The proposed development will require general excavation to about 12 feet below grade surface (bgs).

This report documents the soil characterization performed within the proposed building footprint and includes a list of previous environmental reports, a description of sampling methodology, a boring location plan, a sample summary, tabulated summaries of analytical results, and boring logs.

PREVIOUS ENVIRONMENTAL REPORTS

Five previous environmental investigations have been performed at the Site and are summarized in the following reports:

- *Phase II Environmental Site Investigation Report*, prepared by IVI Environmental, Inc., dated July 2007;
- *Environmental Site Investigation Report*, prepared by Langan, dated September 2012;
- *Phase I Environmental Site Assessment Report*, prepared by Langan, dated May 2013;
- *Spill Closure Report*, prepared by Langan, dated June 2013; and
- *Draft Remedial Investigation Report*, prepared by Langan, dated April 2015

The findings of each report should be considered in concert with the findings of this study when characterizing the excavated material. All previous environmental reports except the April 2015 *Draft Remedial Investigation Report* (RIR) are included as Attachment 1. The Draft RIR is pending submittal to OER and is not included in Attachment 1.

SAMPLING METHODOLOGY

The Site was roughly divided into a sampling grid with seven sampling cells (A, B, C, D, E, F, and G). Two soil borings were completed within each cell except Cell F (three soil borings) and Cell G (no soil borings). Borings were advanced using a Geoprobe® 420M remote-access direct-push drill rig to collect representative samples of historic fill and native soil. A total of thirteen soil borings were advanced to the proposed development depth of about 12 feet below existing grade, including:

- SB-A1 and SB-A2 (Cell A),
- SB-B1 and SB-B2 (Cell B),
- SB-C1 and SB-C2 (Cell C),
- SB-D1 and SB-D2 (Cell D),
- SB-E1 and SB-E2 (Cell E), and
- SB-F1 through SB-F3 (Cell F)

Soil boring locations are presented on Figure 2. Soil samples were not collected from Cell G because of subgrade obstructions and access difficulties.

Soil samples were collected continuously into 2-inch diameter Macro-Core® barrels lined with 4-foot-long dedicated acetate sleeves. The extracted soil was screened for volatile organic compounds (VOCs) with a 10.6 electron volt (eV) photoionization detector (PID), inspected for visual and olfactory evidence of a chemical or petroleum release, and classified by Langan field personnel. Soil boring logs are included as Attachment 2. A total of thirteen soil sample sets (including one duplicate), each consisting of one grab and one composite sample, were collected for laboratory analysis. The composite samples were created by homogenizing at least five random grab samples from two borings within each cell. Grab soil samples submitted for VOC analysis were collected using EnCore™ sampling kits. Six sample sets representing

shallow historic fill material from about 0 to 6 feet bgs (0 to 5 feet bgs in Cell D) were collected. Seven sample sets (including one duplicate) representing deep historic fill and native soil from about 6 to 12 feet bgs (5 to 10 feet bgs in Cell D) were collected. In addition, two field blank samples and three trip blanks were collected and analyzed for quality assurance/quality control (QA/QC). Soil samples were analyzed for one or more of the following parameters:

- Grab samples: target compound list (TCL) volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH) – gasoline-range organics (GRO), TPH – diesel-range organics (DRO), and toxicity characteristic leaching procedure (TCLP) VOCs;

- Composite samples: TCL semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, herbicides, target analyte list (TAL) metals, cyanide, hexavalent chromium, trivalent chromium, TCLP SVOCs, TCLP pesticides, TCLP herbicides, TCLP metals, ignitability, corrosivity, reactivity (cyanide and sulfide), and paint filter;

- Field blanks: TCL VOCs, TCL SVOCs, PCBs, pesticides, herbicides, TAL metals, cyanide, hexavalent chromium, and trivalent chromium; and

- Trip blanks: TCL VOCs.

Soil and QA/QC samples were containerized in laboratory-supplied glassware and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory (Alpha Analytical, Inc. of Westborough, MA [ELAP ID #11148]) via courier service under standard chain-of-custody protocol for laboratory analysis. A sample summary, including analytical parameters, is provided as Table 1.

RESULTS AND FINDINGS

Soil classification and screening observations are shown on the boring logs included as Attachment 2. The analytical soil results were tabulated and compared to the New York State Department of Environmental Conservation's Title 6 of the New York Codes, Rules, and Regulations (NYCRR) Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs) and 40 Code of Federal Regulations (CFR) Subpart C and Table 1 of 40 CFR 261.24 – Maximum Concentration of Contaminants for the Toxicity Characteristic. The analytical soil results are presented in Tables 2 to 4. The QA/QC sample results are presented in Table 5.

A lens of petroleum-impacted material was identified in Cell B. Material from 9 to 12 feet bgs in soil boring SB-B1 exhibited residual petroleum-like staining, odor, and PID readings of 0.2 to 134.1 parts per million (ppm). No free product was observed in SB-B1. No visual, olfactory, or PID indicators of petroleum contamination or other gross contamination were identified in the other soil borings.

With the exception of material represented by composite samples COMP-E_0-6' and COMP-F_0-6', material excavated as part of construction can be managed as non-hazardous, regulated solid waste. Samples COMP-E_0-6' and COMP-F_0-6' exhibited lead at concentrations (8.3 milligrams per liter [mg/L] and 5.6 mg/L, respectively) above the maximum concentration for the toxicity characteristic (5.0 mg/L); therefore, material represented by samples COMP-E_0-6'

and COMP-F_0-6' must be managed as a Resource Conservation and Recovery Act (RCRA) characteristic hazardous waste during construction. Material must be transported and disposed of in accordance with applicable federal, state and local regulations (including 6 NYCRR Part 360 and Parts 370 through 376). The laboratory analytical data reports are provided as Attachment 3.

LIMITATIONS

This report was prepared expressly for AP-ISC Leroy, LLC c/o Gorton & Partners, LLC and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific property addressed in this report, or by any third party without specific written authorization from Langan.

No soil samples were collected from within Cell G; therefore, no waste characterization information was generated for subsurface material within this cell. The lack of waste characterization information for this cell is a data gap. A supplemental waste characterization investigation should be performed in this cell before mass excavation begins.

The design of our sampling program is not intended to meet the specific requirements of all receiving facilities and the selected waste disposal contractor may be required to perform additional soil sampling and analysis. The sampling frequency and analytical parameter list are conservative and based on typical receiving facility requirements.

The results provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be promptly brought to the attention of the owner and to Langan. Based on the facility selected or on field observations during construction, the contractor may be required to collect additional samples and have additional laboratory analysis completed. Langan is in no way responsible for the waste characterization grid, including marking out, maintaining or ensuring the accuracy of the grid. Handling, characterizing, marking out areas, excavating, transporting and disposing of material is solely the responsibility of the contractor.

CLOSING

Should you have any questions regarding the findings presented in this report, please feel free to call us at 212-479-5400. We look forward to assisting you on this project.

Sincerely,

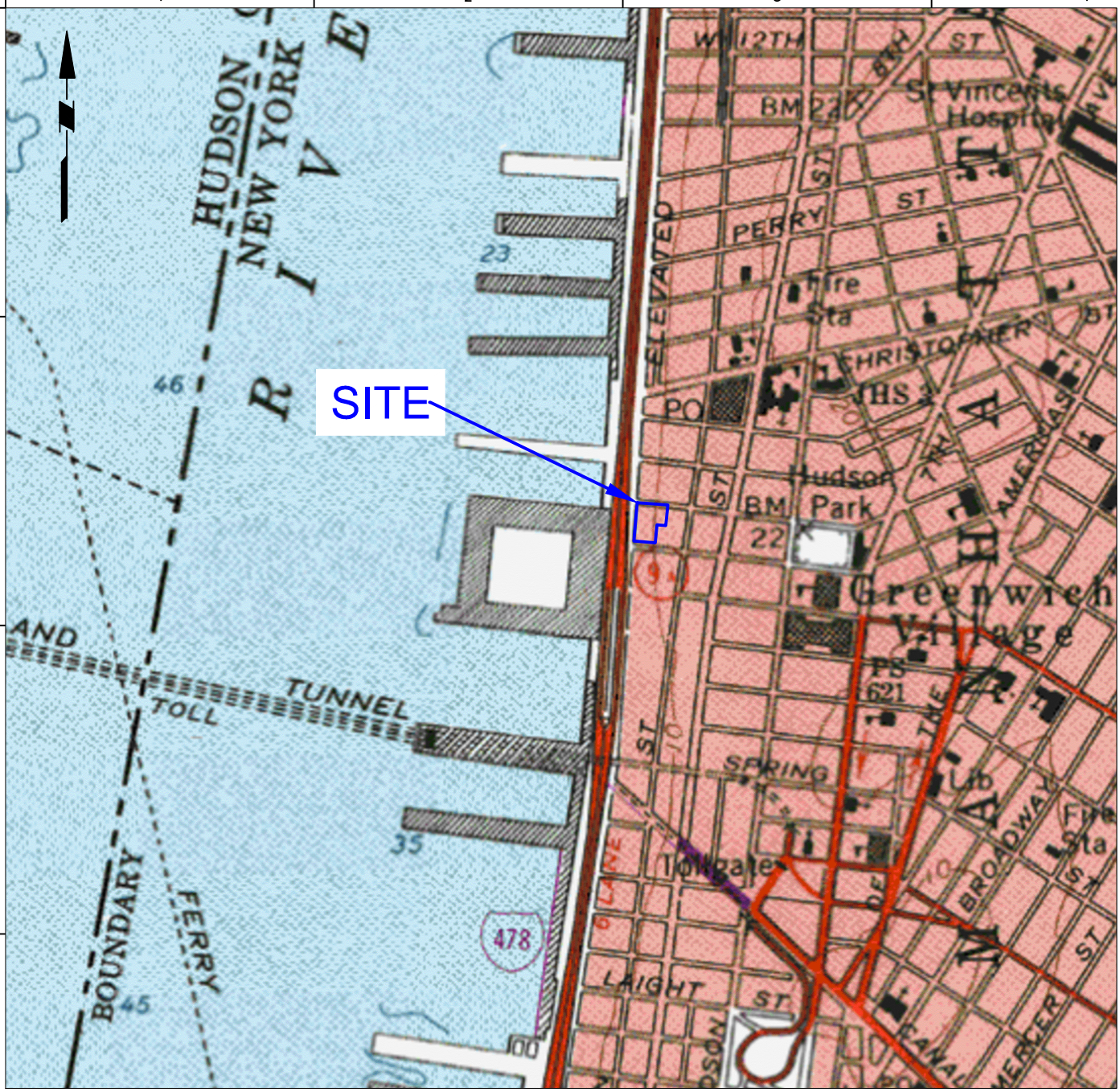
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Michael Burke, CHMM
Senior Associate/Vice President

cc: G. Nicholls, G.Wyka (Langan)

Enclosure(s):
- Figure 1 – Site Location Map
- Figure 2 – Waste Characterization Boring Location Plan
- Table 1 – Sample Summary
- Table 2 – Grab Soil Sample Detections Summary – VOCs and TPH-GRO/DRO
- Table 3 – Composite Soil Sample Detections Summary – SVOCs, PCBs, Pesticides, Herbicides, Metals and Cyanide
- Table 4 – Composite Soil Sample Detections Summary – TCLP, RCRA Characteristics, Paint Filter
- Table 5 – QA/QC Sample Detections Summary
- Attachment 1 – Previous Environmental Reports
- Attachment 2 - Soil Boring Logs
- Attachment 3 – Laboratory Analytical Data Reports

FIGURES



LEGEND

APPROXIMATE SITE BOUNDARY

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

SOURCE: USGS TOPOGRAPHIC QUADRANGLE JERSEY CITY, NJ (1981)

LANGAN

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project	Figure Title	Project No.	Figure No.
160 LEROY STREET BLOCK No. 601, LOT No. 10 (formerly Lots 1,4,5,8,10) NEW YORK NEW YORK NEW YORK	**SITE LOCATION MAP**	170215701	1
		Date: 3/31/2015	
		Scale: NTS	
		Drawn By: GCW	
		Submission Date: 4/17/2015	Sheet 1 of 2

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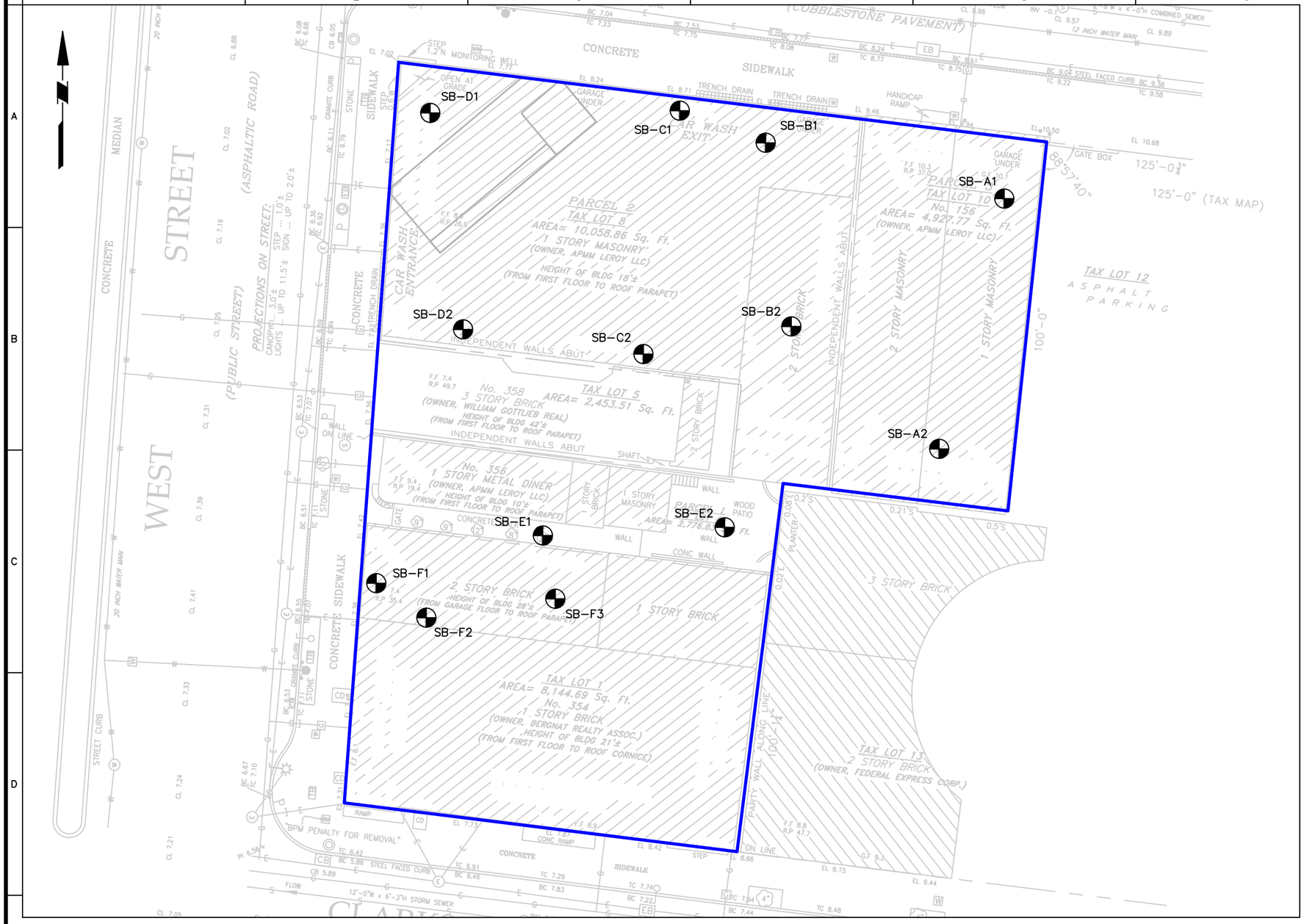
Filename: \\langan.com\data\NY\data7\170215701\Cadd Data - 170215701\SheetFiles\Environmental\Waste Characterization\Figure 1 - Site Location Map.dwg Date: 4/14/2015 Time: 16:07 User: pfarnham Style Table: Langan.stb Layout: ANSIA-BP



LEGEND

APPROXIMATE SITE BOUNDARY

SB-A1 WASTE CHARACTERIZATION BORING LOCATION AND ID

GENERAL NOTES

1. MAP SOURCE: SURVEY BY NY LAND SURVEYOR, P.C. (AUGUST 20, 2014)
2. NORTH ARROW SHOWS TRUE NORTH.
3. SOIL BORING LOCATIONS ARE APPROXIMATE.
4. ELEVATIONS SHOWN IN THIS DRAWING ARE BASED IN NATIONAL VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEAL LEVEL DATUM AT SANDY HOOK, NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS NVGD 1929).
5. NO SAMPLES WERE COLLECTED FROM LOT 1 DUE TO SUBSURFACE OBSTRUCTIONS AND ACCESS ISSUES.

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

30 0 15 30
SCALE IN FEET

LANGAN
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Langan International LLC
Collectively known as Langan

Project
160 LEROY STREET
BLOCK No. 601, LOT No. 10
(formerly Lots 1,4,5,8,10)
NEW YORK
NEW YORK NEW YORK

Figure Title
WASTE CHARACTERIZATION BORING LOCATION PLAN

Project No. 170215701	Figure No. 2
Date 3/31/2015	
Scale 1" = 30'	
Drawn By GCW	
Submission Date 4/17/2015	Sheet 2 of 2

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Filename: \\langan.com\data\NY\data7\170215701\Cadd Data - 170215701\SheetFiles\Environmental\Waste Characterization\Figure 2 - Waste Characterization Boring Location Plan v2.dwg Date: 4/14/2015 Time: 16:24 User: pfarnham Style Table: Langan.stb
Layout: ANSIB-BL

TABLES

Table 1
Sample Summary
Waste Characterization Report

160 Leroy Street
New York, New York
Langan Project No. 170215701

Cell Number	Sample ID	Sample Type	Soil Boring Location	Sample Depth Interval (feet bgs)	Analysis
A	SB-A1_3-4'	Grab	SB-A1	3-4	TCL VOCs, TPH-DRO and TPH-GRO, TCLP VOCs
	COMP-A_0-6'	Composite	SB-A1 AND SB-A2	0-6	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP SVOCs/Pesticides/Herbicides/Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide)
	SB-A1_11-12'	Grab	SB-A1	11-12	TCL VOCs, TPH-DRO and TPH-GRO, TCLP VOCs
	COMP-A_6-12'	Composite	SB-A1 AND SB-A2	6-12	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP SVOCs/Pesticides/Herbicides/Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide), Paint Filter
B	SB-B2_1-2'	Grab	SB-B2	1-2	TCL VOCs, TPH-DRO and TPH-GRO, TCLP VOCs
	COMP-B_0-6'	Composite	SB-B1 AND SB-B2	0-6	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP SVOCs/Pesticides/Herbicides/Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide)
	SB-B1_10-11'	Grab	SB-B1	10-11	TCL VOCs, TPH-DRO, and TPH-GRO
	COMP-B_6-12'	Composite	SB-B1 AND SB-B2	6-12	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
C	SB-C2_2-3'	Grab	SB-C2	2-3	TCL VOCs, TPH-DRO and TPH-GRO, TCLP VOCs
	COMP-C_0-6'	Composite	SB-C1 AND SB-C2	0-6	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP SVOCs/Pesticides/Herbicides/Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide)
	SB-C1_7-8'	Grab	SB-C1	7-8'	TCL VOCs, TPH-DRO, and TPH-GRO
	COMP-C_6-12'	Composite	SB-C1 AND SB-C2	6-12	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium

Notes:
1. All soil samples for VOC analysis were collected using EnCore™ sampling devices.
2. Composite samples were obtained by homogenizing at least five grab samples from two of the sample cores completed within each cell.
3. VOCs - Volatile Organic Compounds
4. TCL - Target Compound List
5. TPH - Total Petroleum Hydrocarbons
6. DRO - Diesel Range Organics
7. GRO - Gasoline Range Organics
8. PCBs - Polychlorinated Biphenyls
9. SVOCs - Semivolatile Organic Compounds
10. TAL - Target Analyte List
11. TCLP - Toxicity Characteristic Leaching Procedure
12. RCRA - Resource Conservation and Recovery Act
13. Parent samples for duplicates highlighted in grey.
14. bgs - Below Grade Surface

Table 1
Sample Summary
Waste Characterization Report

160 Leroy Street
New York, New York
Langan Project No. 170215701

Cell Number	Sample ID	Sample Type	Soil Boring Location	Sample Depth Interval (feet bgs)	Analysis
D	SB-D2_1-2'	Grab	SB-D2	1-2	TCL VOCs, TPH-DRO and TPH-GRO, TCLP VOCs
	COMP-D_0-5'	Composite	SB-D1 AND SB-D2	0-5	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP SVOCs/Pesticides/Herbicides/Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide)
	SB-D2_7-8'	Grab	SB-D2	7-8	TCL VOCs, TPH-DRO, and TPH-GRO
	COMP-D_5-10'	Composite	SB-D1 AND SB-D2	5-10	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
E	SB-E2_1-2'	Grab	SB-E2	1-2	TCL VOCs, TPH-DRO and TPH-GRO, TCLP VOCs
	COMP-E_0-6'	Composite	SB-E1 AND SB-E2	0-6	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP SVOCs/Pesticides/Herbicides/Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide)
	SB-E1_11-12'	Grab	SB-E1	11-12	TCL VOCs, TPH-DRO, and TPH-GRO
	COMP-E_6-12'	Composite	SB-E1 AND SB-E2	6-12	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
F	SB-F3_1-2'	Grab	SB-F3	1-2	TCL VOCs, TPH-DRO and TPH-GRO, TCLP VOCs
	COMP-F_0-6'	Composite	SB-F2 AND SB-F3	0-6	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium, TCLP SVOCs/Pesticides/Herbicides/Metals, Ignitability, Corrosivity, Reactivity (Cyanide and Sulfide)
	SB-F1_11-12'	Grab	SB-F1	11-12	TCL VOCs, TPH-DRO, and TPH-GRO
	COMP-F_6-12'	Composite	SB-F1 AND SB-F2	6-12	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium

Notes:
1. All soil samples for VOC analysis were collected using EnCore™ sampling devices.
2. Composite samples were obtained by homogenizing at least five grab samples from two of the sample cores completed within each cell.
3. VOCs - Volatile Organic Compounds
4. TCL - Target Compound List
5. TPH - Total Petroleum Hydrocarbons
6. DRO - Diesel Range Organics
7. GRO - Gasoline Range Organics
8. PCBs - Polychlorinated Biphenyls
9. SVOCs - Semivolatile Organic Compounds
10. TAL - Target Analyte List
11. TCLP - Toxicity Characteristic Leaching Procedure
12. RCRA - Resource Conservation and Recovery Act
13. bgs - Below Grade Surface

Table 1
Sample Summary
Waste Characterization Report

160 Leroy Street
New York, New York
Langan Project No. 170215701

Cell Number	Sample ID	Sample Type	Soil Boring Location	Sample Depth Interval (feet bgs)	Analysis
B	WC_DUP01_031615	Field Duplicate, Grab	SB-B1	10-11	TCL VOCs, TPH-DRO and TPH-GRO
	COMP_DUP01_031615	Field Duplicate, Composite	SB-B1 AND SB-B2	6-12	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
N/A	FB01_031615	Field Blank	N/A	N/A	TCL SVOCs, PCBs, Pesticides, Herbicides, TAL Metals, Cyanide, Hexavalent Chromium, Trivalent Chromium
N/A	FB01_031815	Field Blank	N/A	N/A	TCL VOCs
N/A	TB01_031615	Trip Blank	N/A	N/A	TCL VOCs
N/A	TB01_031715	Trip Blank	N/A	N/A	TCL VOCs
N/A	TB01_031815	Trip Blank	N/A	N/A	TCL VOCs

Notes:
1. All soil samples for VOC analysis were collected using EnCore™ sampling devices.
2. Composite samples were obtained by homogenizing at least five grab samples from two of the sample cores completed within each cell.
3. VOCs - Volatile Organic Compounds
4. TCL - Target Compound List
5. TPH - Total Petroleum Hydrocarbons
6. DRO - Diesel Range Organics
7. GRO - Gasoline Range Organics
8. PCBs - Polychlorinated Biphenyls
9. SVOCs - Semivolatile Organic Compounds
10. TAL - Target Analyte List
11. TCLP - Toxicity Characteristic Leaching Procedure
12. RCRA - Resource Conservation and Recovery Act
13. WC_DUP01_031615 is a duplicate sample of SB-B1_10-11'.
14. COMP_DUP01_031615 is a duplicate sample of COMP-B_6-12'.
15. bgs - Below Grade Surface
16. Field duplicates, field blanks, and trip blanks are quality assurance / quality control (QA/QC) samples.
17. N/A - Not Applicable

Table 2
Grab Soil Sample Detections Summary - VOCs and TPH-GRO/DRO
Waste Characterization Report

160 Leroy Street
New York, New York
Langan Project No. 170215701

LOCATION	NYSDEC PART 375 UNRESTRICTED USE SCOs	SB-A1		SB-A1		SB-B2		SB-B1		SB-B1		SB-C2		SB-C1		SB-D2		SB-D2		SB-E2		SB-E1		SB-F3		SB-F1	
CLIENT SAMPLE ID		SB-A1_3-4'		SB-A1_11-12'		SB-B2_1-2'		SB-B1_10-11'		WC_DUP01_031615		SB-C2_2-3'		SB-C1_7-8'		SB-D2_1-2'		SB-D2_7-8'		SB-E2_1-2'		SB-E1_11-12'		SB-F3_1-2'		SB-F1_11-12'	
LAB SAMPLE ID		L1504955-01		L1504955-02		L1504955-05		L1504955-06		L1504955-17		L1504955-09		L1504955-10		L1504955-13		L1504955-14		L1505070-01		L1505070-02		L1505195-01		L1505195-02	
SAMPLING DATE		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/17/2015		3/17/2015		3/17/2015		3/17/2015	
SAMPLE DEPTH (FEET BGS)		3 to 4		11 to 12		1 to 2		10 to 11		10 to 11		2 to 3		7 to 8		1 to 2		7 to 8		1 to 2		11 to 12		1 to 2		11 to 12	
Volatile Organic Compounds (mg/kg)																											
1,2,4,5-Tetramethylbenzene	~	0.0057	U	0.0041	U	0.81	U	1.2	D	12	D	0.0048	U	0.0042	U	0.31	U	0.0055	U	0.0056	U	0.0056	U	0.0044	U	0.009	U
1,2,4-Trimethylbenzene	3.6	0.0071	U	0.0051	U	1	U	0.29	JD	2.4	JD	0.0059	U	0.0052	U	0.39	U	0.0069	U	0.007	U	0.0069	U	0.0055	U	0.011	U
2-Butanone	0.12	0.014	U	0.01	U	**0.41**	J	*1.6*	UD	*17*	UD	0.012	U	0.01	U	*0.78*	U	0.014	U	0.014	U	0.014	U	0.011	U	0.022	U
Acetone	0.05	0.0057	J	0.0039	J	*2*	U	*1.6*	UD	*17*	UD	0.0096	J	0.0024	J	*0.78*	U	0.0064	J	0.0027	J	0.0028	J	0.011	U	0.039	
Chloroform	0.37	0.0021	U	0.0015	U	0.3	U	0.24	UD	*2.6*	UD	0.0018	U	0.0016	U	0.12	U	0.002	U	0.00058	J	0.0021	U	0.0016	U	0.0034	U
n-Butylbenzene	12	0.0014	U	0.001	U	0.2	U	0.5	D	4	D	0.0012	U	0.001	U	0.078	U	0.0014	U	0.0014	U	0.0014	U	0.0011	U	0.0022	U
Naphthalene	12	0.0039	J	0.0051	U	2.2		0.79	UD	8.7	UD	0.0059	U	0.0052	U	3.9		0.0069	U	0.007	U	0.0069	U	0.0055	U	0.011	U
p-Diethylbenzene	~	0.0057	U	0.0041	U	0.042	J	0.87	D	4.8	JD	0.0048	U	0.0042	U	0.31	U	0.0055	U	0.0056	U	0.0056	U	0.0044	U	0.009	U
p-Isopropyltoluene	~	0.0014	U	0.001	U	0.2	U	0.11	JD	1.1	JD	0.0012	U	0.001	U	0.078	U	0.0014	U	0.0014	U	0.0014	U	0.0011	U	0.0022	U
sec-Butylbenzene	11	0.0014	U	0.001	U	0.2	U	2	D	10	D	0.0012	U	0.001	U	0.078	U	0.0014	U	0.0014	U	0.0014	U	0.0011	U	0.0022	U
Tetrachloroethene	1.3	0.0014	U	0.001	U	0.33		0.16	UD	*1.7*	UD	0.0012	U	0.00065	J	0.37		0.0014	U	0.0014	U	0.0014	U	0.0011	U	0.0022	U
Total Petroleum Hydrocarbons (TPH) (mg/kg)																											
TPH-DRO (Diesel Range Organics)	~	996	D	37.1	U	1020	D	584	D	1290	D	8.1	J	3.17	J	17700	D	8.24	J	36.1	J	4.74	J	232	D	41.5	J
TPH-GRO (Gasoline Range Organics)	~	3.1	U	2.5	U	3	J	130	D	340	D	3.5	U	2.7	U	3.7		2.9	U	2.8	U	5.8		2.9	U	6.4	U

Notes:
1. Grab soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO).
2. Only analytes with detections are shown in the table.
3. NYSDEC Part 375 Unrestricted Use SCO exceedances are shaded and bolded black.
4. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standard are italicized.
5. mg/kg = milligrams per kilogram
6. ~ = Criterion does not exist.
7. = Not Detected

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.
D = Sample was diluted. Dilution factor is included in laboratory data report.

Table 3
Composite Soil Sample Detections Summary - SVOCs, PCBs, Pesticides, Herbicides, Metals, Cyanide
Waste Characterization Report

160 Leroy Street
New York, New York
Langan Project No. 170215701

LOCATION	NYSDEC PART 375 UNRESTRICTED USE SCOs	SB-A1, SB-A2		SB-A1, SB-A2		SB-B1, SB-B2		SB-B1, SB-B2		SB-B1, SB-B2		SB-C1, SB-C2		SB-C1, SB-C2		SB-D1, SB-D2		SB-D1, SB-D2		SB-E1, SB-E2		SB-E1, SB-E2		SB-F2, SB-F3		SB-F1, SB-F2	
CLIENT SAMPLE ID		COMP-A_0-6'		COMP-A_6-12'		COMP-B_0-6'		COMP-B_6-12'		COMP_DUP01_031615		COMP-C_0-6'		COMP-C_6-12'		COMP-D_0-5'		COMP-D_5-10'		COMP-E_0-6'		COMP-E_6-12'		COMP-F_0-6'		COMP-F_6-12'	
LAB SAMPLE ID		L1504955-03		L1504955-04		L1504955-07		L1504955-08		L1504955-18		L1504955-11		L1504955-12		L1504955-15		L1504955-16		L1505070-03		L1505070-04		L1505195-03		L1505195-04	
SAMPLING DATE		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/16/2015		3/17/2015		3/17/2015		3/17/2015		3/17/2015	
SAMPLE DEPTH (FEET BGS)		0 to 6		6 to 12		0 to 6		6 to 12		6 to 12		0 to 6		6 to 12		0 to 5		5 to 10		0 to 6		6 to 12		0 to 6		6 to 12	
Semivolatile Organic Compounds (mg/kg)																											
2-Methylnaphthalene	~	0.42	JD	0.22	U	0.37	JD	0.23	U	0.23	U	0.21	U	0.24	U	0.78	JD	0.46	D	0.084	J	0.24	U	0.22	U	0.15	J
Acenaphthene	20	0.89	D	0.056	J	0.88	D	0.047	J	0.072	J	0.1	J	0.16	U	1.9	D	1.1	D	0.1	J	0.16	U	0.15	U	0.081	J
Acenaphthylene	100	0.65	D	0.15	U	1.1	D	0.052	J	0.08	J	0.11	J	0.16	U	0.82	D	0.35	D	0.17		0.16	U	0.15	U	0.18	U
Anthracene	100	2	D	0.12		2.6	D	0.12		0.18		0.26		0.12	U	4.7	D	2.5	D	0.34		0.12	U	0.071	J	0.12	J
Benzo(a)anthracene	1	**4.6**	D	0.27		**7.9**	D	0.31		0.42		0.6		0.12	U	**8.2**	D	**3**	D	0.93		0.12	U	0.24		0.22	
Benzo(a)pyrene	1	**4.3**	D	0.24		**8.3**	D	0.29		0.39		0.58		0.16	U	**7.1**	D	**2.2**	D	0.84		0.16	U	0.24		0.21	
Benzo(b)fluoranthene	1	**5.3**	D	0.32		**10**	D	0.39		0.49		0.71		0.12	U	**8.2**	D	**2.8**	D	**1.2**		0.12	U	0.31		0.28	
Benzo(ghi)perylene	100	2.5	D	0.15		5.2	D	0.18		0.24		0.36		0.16	U	4.4	D	0.96	D	0.54		0.16	U	0.17		0.16	J
Benzo(k)fluoranthene	0.8	**2.3**	D	0.11		**3.9**	D	0.13		0.18		0.28		0.12	U	**3.3**	D	**1.2**	D	0.41		0.12	U	0.13		0.081	J
Biphenyl	~	0.12	JD	0.43	U	1.7	UD	0.44	U	0.44	U	0.41	U	0.46	U	2	UD	0.13	JD	0.44	U	0.46	U	0.42	U	0.5	U
Carbazole	~	0.83	D	0.058	J	1.1	D	0.19	U	0.1	J	0.12	J	0.2	U	1.8	D	0.99	D	0.14	J	0.2	U	0.18	U	0.064	J
Chrysene	1	**4.5**	D	0.28		**8.3**	D	0.32		0.43		0.6		0.12	U	**7.6**	D	**2.6**	D	0.93		0.12	U	0.27		0.21	
Dibenzo(a,h)anthracene	0.33	**0.56**	D	0.036	J	**1.1**	D	0.045	J	0.06	J	0.092	J	0.12	U	**1.3**	D	0.27	D	0.14		0.12	U	0.049	J	0.13	U
Dibenzofuran	7	0.69	D	0.19	U	0.78	D	0.19	U	0.066	J	0.075	J	0.2	U	1.5	D	1	D	0.093	J	0.2	U	0.18	U	0.11	J
Fluoranthene	100	12	D	0.68		18	D	0.77		1.1		1.4		0.12	U	18	D	7.5	D	1.9		0.12	U	0.52		0.46	
Fluorene	30	0.86	D	0.19	U	0.81	D	0.069	J	0.094	J	0.099	J	0.2	U	1.8	D	1.3	D	0.11	J	0.2	U	0.18	U	0.22	U
Indeno(1,2,3-cd)Pyrene	0.5	**2.7**	D	0.17		**5.4**	D	0.19		0.27		0.39		0.16	U	**3.8**	D	**1.2**	D	**0.59**		0.16	U	0.14	J	0.17	J
Naphthalene	12	1	D	0.19	U	0.84	D	0.19	U	0.078	J	0.1	J	0.2	U	1.7	D	0.79	D	0.14	J	0.2	U	0.18	U	0.64	
Phenanthrene	100	10	D	0.57		14	D	0.64		0.94		1		0.12	U	16	D	9.8	D	1.5		0.12	U	0.28		0.51	
Pyrene	100	10	D	0.6		17	D	0.67		0.95		1.2		0.12	U	16	D	6	D	1.6		0.12	U	0.44		0.39	
Total SVOCs	~	66.22		3.66		107.58		4.223		6.58		8.076		ND		108.12		46.15		11.757		ND		2.86		3.856	
Polychlorinated Biphenyls (mg/kg)																											
Aroclor 1260	~	0.027	J	0.0366	U	0.0354	U	0.039	U	0.039	U	0.0347	U	0.0386	U	0.0357	U	0.0364	U	0.0213	J	0.0396	U	0.0363	U	0.0435	U
Aroclor 1268	~	0.00899	J	0.0366	U	0.0354	U	0.039	U	0.039	U	0.0347	U	0.0386	U	0.0357	U	0.0364	U	0.0372	U	0.0396	U	0.0363	U	0.0435	U
PCBs, Total	0.1	0.036	J	0.0366	U	0.0354	U	0.039	U	0.039	U	0.0347	U	0.0386	U	0.0357	U	0.0364	U	0.0213	J	0.0396	U	0.0363	U	0.0435	U
Pesticides (mg/kg)																											
4,4'-DDD	0.0033	**0.0486**		0.00181	U	0.00173	U	0.00181	U	0.00181	U	0.00168	U	0.00187	U	0.00165	U	0.00176	U	0.00257		0.00193	U	0.00173	U	0.00212	U
4,4'-DDE	0.0033	**0.0202**		0.00181	U	0.00173	U	0.00181	U	0.00181	U	0.00168	U	0.00187	U	0.00165	U	0.00176	U	**0.00374**		0.00193	U	**0.00333**		0.00284	
4,4'-DDT	0.0033	**0.0637**		*0.0034*	U	0.00324	U	*0.0034*	U	*0.00339*	U	0.00315	U	*0.0035*	U	0.0031	U	*0.00331*	U	**0.0108**		0.00362	U	**0.00513**		**0.00611**	
cis-Chlordane	0.094	0.00216	U	0.00227	U	0.00216	U	0.00226	U	0.00226	U	0.00122	J	0.00234	U	0.00207	U	0.00221	U	0.000885	J	0.00242	U	0.00216	U	0.00265	U
trans-Chlordane	~	0.00216	U	0.00227	U	0.00216	U	0.00226	U	0.00226	U	0.0021	U	0.00234	U	0.00272	PI	0.00221	U	0.00233	U	0.00242	U	0.00216	U	0.00265	U
Herbicides (mg/kg)																											
Total Herbicides	~	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
Metals (mg/kg)																											
Aluminum, Total	~	4200	D	6400	D	5600	D	8500	D	8200	D	4800	D	9100	D	3900	D	5400	D	3800	D	6500	D	2800	D	6800	D
Antimony, Total	~	8.2	D	4.6	UD	260	D	23	D	23	D	51	D	4.7	UD	40	D	1.4	JD	220	D	6.2	D	0.82	JD	5.1	UD
Arsenic, Total	13	5.3	D	3.3	D	**17**	D	4.8	D	5	D	4.4	D	3.4	D	6.4	D	2.9	D	**69**	D	5.8	D	9.4	D	9.4	D
Barium, Total	350	49	D	29	D	190	D	42	D	47	D	96	D	43	D	150	D	42	D	**400**	D	150	D	330	D	130	D
Beryllium, Total	7.2	0.28	JD	0.32	JD	0.31	JD	0.36	JD	0.37	JD	0.32	JD	0.48	D	0.24	JD	0.28	JD	0.33	JD	0.38	JD	0.19	JD	0.39	JD
Cadmium, Total	2.5	0.26	JD	0.91	U	1.4	D	0.1	JD	0.18	JD	0.2	JD	0.94	UD	0.45	JD	0.89	UD	0.94	UD	0.93	UD	0.58	JD	1	UD
Calcium, Total	~	53000	D	26000	D	17000	D	2200	D	3000	D	12000	D	920	D	53000	D	13000	D	12000	D	2000	D	43000	D	18000	D
Chromium, Total	~	13	D	11	D	20	D	13	D	13	D	14	D	14	D	14	D	11	D	18	D	14	D	13	D	18	D
Cobalt, Total	~	5.7	D	4.9	D	7.5	D	6.3	D	6.4	D	4.9	D	6.5	D	3.6	D	4.7	D	21	D	5.2	D	3.8	D	5.6	D
Copper, Total	50	45	D	14	D	**280**	D	25	D	34	D	**60**	D	14	D	**120**	D	18	D	**1100**	D	32	D	24	D	45	D
Iron, Total	~	9900	D	11000	D	22000	D	14000	D	14000	D	12000	D	13000	D	13000	D	9900	D	65000	D	11000	D	8400	D	13000	D
Lead, Total	63	**130**	D	12	D	**2200**	D	**190**	D	**260**	D	**550**	D	13	D	**370**	D	26	D	**3900**	D	57	D	**2600**	D	**310**	D
Magnesium, Total	~	24000	D	15000	D	3500	D	2600	D	2800	D	4000	D	2300	D	20000	D	7100	D	3200	D	2100	D	2000	D	3700	D
Manganese, Total	1600	250	D	160	D	320	D	290	D	300	D	290	D	410	D	250	D	230	D	370	D	150	D	190	D	440	D
Mercury, Total	0.18	**1.1**		0.09		**0.74**		**0.19**		**0.42**		**0.5**		0.06	J	**0.89**		0.1		**7.8**	D	**0.24**		**0.96**		**0.23**	
Nickel, Total	30	15	D	11	D	21	D	14	D	14	D	14	D	13	D	13	D	15	D	**42**	D	17	D	11	D	18	D
Potassium, Total	~	840	D	630	D	1000	D	620	D	630	D	960	D	570	D	680	D	640	D	680	D	700	D	820	D	1200	D
Selenium, Total	3.9	1.7	UD	1.8	UD	1.7	UD	1.8	UD	1.9	UD	1.7	UD	1.9	UD	1.7	UD	1.8	UD	1.9	UD	1.8	UD	0.34	JD	2	UD
Silver, Total	2	0.84	UD	0.91	UD	1.7	D	0.91	UD	0.93	UD	0.84	UD	0.94	UD	0.83	UD	0.89	UD	0.94	D	0.93	UD	0.85	UD	1	UD
Sodium, Total	~	270	D	140	JD	630	D	250	D	230	D	440	D	310	D	430	D	240	D	220	D	140	JD	400	D	470	D
Vanadium, Total	~	13	D	14	D	18	D	15	D	16	D	15	D	16	D	13	D	12	D	24	D	14	D	12	D	19	D
Zinc, Total	109	75	D	29	D	**620**	D	86	D	**150**	D	**180**	D	33	D	**280**	D	38	D	**760**	D	**130**	D	**570**	D	91	D
Other (mg/kg)																											
Cyanide, Total	27	0.29	J	0.46	J	1.1	U	0.61	J	1.2	U	0.37	J	1.1	U	1.1	U	1	U	0.3	J	1.2	U	1.1	J	1.3	U

Notes:

1. Composite soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCO).
2. Only analytes with detections are shown in the table.
3. Detected analytes exceeding NYSDEC Part 375 Unrestricted Use SCOs are shaded and bolded black.
4. Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standard are italicized.
5. mg/kg = milligrams per kilogram
6. ~ = Criterion does not exist.
7. bgs = below grade surface.

Qualifiers:

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.
D = Sample was diluted. Dilution factor is included in laboratory data report.
P = The Relative Percent Difference (RPD) between the results for the two columns exceeds the method-specified criteria.
I = The lower value for the two columns has been reported due to obvious interference

Table 4
Composite Soil Sample Detections Summary - TCLP, RCRA Characteristics, Paint Filter
Waste Characterization Report

160 Leroy Street
New York, New York
Langan Project No. 170215701

LOCATION	USEPA TCLP RCRA Maximum Concentration	SB-A1	SB-A1	SB-A1, SB-A2	SB-A1, SB-A2	SB-B2	SB-B1, SB-B2	SB-C2	SB-C1, SB-C2	SB-D2	SB-D1, SB-D2	SB-E2	SB-E1, SB-E2	SB-F3	SB-F2, SB-F3
CLIENT SAMPLE ID		SB-A1_3-4'	SB-A1_11-12'	COMP-A_0-6'	COMP-A_6-12'	SB-B2_1-2'	COMP-B_0-6'	SB-C2_2-3'	COMP-C_0-6'	SB-D2_1-2'	COMP-D_0-5'	SB-E2_1-2'	COMP-E_0-6'	SB-F3_1-2'	COMP-F_0-6'
LAB SAMPLE ID		L1504955-01	L1504955-02	L1504955-03	L1504955-04	L1504955-05	L1504955-07	L1504955-09	L1504955-11	L1504955-13	L1504955-15	L1505070-01	L1505070-03	L1505195-01	L1505195-03
SAMPLING DATE		3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/16/2015	3/17/2015	3/17/2015	3/17/2015	3/17/2015
SAMPLE DEPTH (FEET BGS)		3 to 4	11 to 12	0 to 6	6 to 12	1 to 2	0 to 6	2 to 3	0 to 6	1 to 2	0 to 5	1 to 2	0 to 6	1 to 2	0 to 6
TCLP Volatile Organic Compounds (VOCs) (mg/L)															
2-Butanone	200	0.05 UD	0.05 UD	NA	NA	0.05 UD	NA	0.05 UD	NA	0.05 UD	NA	0.05 UD	NA	0.026 JD	NA
Tetrachloroethene	0.7	0.005 UD	0.005 UD	NA	NA	0.005 UD	NA	0.005 UD	NA	0.0057 D	NA	0.005 UD	NA	0.005 UD	NA
TCLP Semivolatile Organic Compounds (SVOCs) (mg/L)															
Total TCLP SVOCs	~	NA	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND
TCLP Pesticides (mg/L)															
Chlordane	0.03	NA	NA	0.001 U	0.001 U	NA	0.001 U	NA	0.001 U	NA	0.001 U	NA	0.000521 J	NA	0.001 U
Heptachlor	0.008	NA	NA	0.0001 U	0.0001 U	NA	0.0001 U	NA	0.0001 U	NA	0.0001 U	NA	0.00004 J	NA	0.0001 U
Total TCLP Pesticides	~	NA	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	0.000561 J	NA	ND
TCLP Herbicides (mg/L)															
Total TCLP Herbicides	~	NA	NA	ND	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND
TCLP Metals (mg/L)															
Arsenic, TCLP	5	NA	NA	1 U	1 U	NA	1 U	NA	1 U	NA	1 U	NA	0.28 J	NA	1 U
Barium, TCLP	100	NA	NA	0.64	0.35 J	NA	0.3 J	NA	0.62	NA	0.48 J	NA	3.7	NA	0.21 J
Cadmium, TCLP	1	NA	NA	0.1 U	0.1 U	NA	0.1 U	NA	0.01 J	NA	0.1 U	NA	0.01 J	NA	0.01 J
Chromium, TCLP	5	NA	NA	0.2 U	0.02 J	NA	0.2 U	NA	0.2 U	NA	0.03 J	NA	0.2 U	NA	0.2 U
Lead, TCLP	5	NA	NA	0.61	0.04 J	NA	0.5 U	NA	1	NA	0.03 J	NA	**8.3**	NA	**5.6**
RCRA Characteristics															
pH (pH Units)	<2 or >12.5	NA	NA	10.4	8.3	NA	10.8	NA	11	NA	11.6	NA	8.7	NA	9.4
Reactive Cyanide (mg/kg)	250	NA	NA	10 U	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Reactive Sulfide (mg/kg)	500	NA	NA	10 U	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Ignitability (I/NI)	I	NA	NA	NI	NI	NA	NI	NA	NI	NA	NI	NA	NI	NA	NI
Miscellaneous															
Paint Filter (Negative/Positive)	~	NA	NA	NA	Negative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1. Soil sample analytical results are compared to 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. Only analytes with detections are shown in the table.
3. Detected analytes exceeding RCRA toxicity criteria are shaded and bolded black.
4. mg/L = milligrams per liter
5. ~ = Criterion does not exist.
6. bgs = Below Grade Surface.
7. RCRA = Resource Conservation and Recovery Act
8. TCLP = Toxicity Characteristic Leaching Procedure
9. ND = Not Detected
10. NA = Not Analyzed
11. NI = Not Ignitable

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL ; the value shown in the table is the RL.
D = Sample was diluted. Dilution factor is included in laboratory data report.

Table 5
QA/QC Sample Detections Summary
Waste Characterization Report

160 Leroy Street
New York, New York
Langan Project No. 170215701

CLIENT SAMPLE ID	FB01_031615		FB01_031815	TB01_031615	TB01_031715	TB01_031815
LAB SAMPLE ID	L1504955-19		L1505195-05	L1504955-20	L1505070-05	L1505195-06
SAMPLING DATE	3/16/2015		3/18/2015	3/16/2015	3/17/2015	3/18/2015
SAMPLE TYPE	Field Blank		Field Blank	Trip Blank	Trip Blank	Trip Blank
Volatile Organic Compounds (VOCs) (µg/L)						
Total VOCs	NA		ND	ND	ND	ND
Semivolatile Organic Compounds (SVOCs) (µg/L)						
Total SVOCs	ND		NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (µg/L)						
Totals PCBs	ND		NA	NA	NA	NA
Pesticides (µg/L)						
Total Pesticides	ND		NA	NA	NA	NA
Herbicides (µg/L)						
Total Herbicides	ND		NA	NA	NA	NA
Metals (µg/L)						
Arsenic, Total	2.7	JB	NA	NA	NA	NA
Copper, Total	2	J	NA	NA	NA	NA
General Chemistry (µg/L)						
Cyanide, Total	ND		NA	NA	NA	NA

Notes and Qualifiers:

1. Only analytes with detections are shown in the table.
2. µg/L = micrograms per liter
3. ND = Not Detected
4. NA = Not Analyzed
5. J = Analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
6. B = Analyte was detected above the reporting limit in the associated method blank.

ATTACHMENT 1

PREVIOUS ENVIRONMENTAL REPORTS

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Three Commercial Buildings
357 and 359 West Street and
156 Leroy Street
New York, New York 10014

IVI Project No. E7063663

Prepared for:
Apollo Real Estate Advisors, LP
New York, New York

Prepared by:

IVI ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS

IVI Environmental, Inc.
White Plains, New York

July 3, 2007

ENVIRONMENTAL, INC.
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July 3, 2007

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Re: Phase II Environmental Site Assessment
Three Commercial Buildings
357 and 359 West Street, and 156 Leroy Street
New York, New York 10014
IVI Project No.: E7063663

Dear Mr. Torres:

IVI Environmental, Inc. (IVI) is pleased to submit this Phase II Environmental Site Assessment ("Assessment") for the Three Commercial Buildings (the "Subject"), located at 357 and 359 West Street, and 156 Leroy Street; New York, New York. The property location is shown on the Site Location Map provided as Figure 1 in Appendix A.

The purpose of this Assessment was to address the Recognized Environmental Conditions (RECs) identified in IVI's *Phase I Environmental Site Assessment*, dated December 28, 2005. Specifically, the following RECs were identified in the Phase I ESA:

- **Historical and Current Use of the Subject**

  Some historical industrial and commercial site usages, particularly the machine shop, smelting works, freight station and auto repair shop, likely involved the usage and storage of significant quantities of hazardous materials such as petroleum products, organic solvents, heavy metals and acids. The Subject's former industrial usages may have negatively impacted the subsurface soil and groundwater. Moreover the current Village Car Center located at 359 West Street performs automotive oil changing activities, which generates waste motor oil. The waste oil tank, which is not provided with secondary containment, appeared to be in good condition, void of leaks. However, poor housekeeping

has resulting in significant oil spillage on the surface of the concrete slab floor beneath the tank and throughout the cellar. In addition, oily water was observed in a sump pump pit adjacent to the tank.

Scope of Work

The scope of this Assessment included the following activities:

1. Subsurface utilities mark out;
2. Geophysical survey to clear the proposed boring locations;
3. Advancement of four (4) borings;
4. Collection and field screening of soil samples for volatile organic compound (VOC) contamination with a photoionization detector (PID) using the head space analysis, and;
5. Laboratory analysis of four (4) soil and four (4) groundwater samples.

Field Activities

On June 27, 2007, IVI directed the advancement of four (4) borings, denoted as B-1 through B-4, on the Subject. Specifically, two (2) borings were located inside The Village Car Center (B-1 and B-2), and two (2) borings were located inside the abandoned pasta factory at 156 Leroy Street (B-3 and B-4). The borings were advanced using a track-mounted Geoprobe® 5400DT rig operated by TPI Environmental, Inc. (TPI). The specific boring locations are shown on the Boring Location Plan provided as Figure 2 in Appendix A.

Prior to the advancement of each boring, all down-hole drilling equipment was decontaminated by TPI in accordance with EPA protocols and good commercial and customary practice. IVI collected continuous soil samples at 4' intervals using macro-core samplers for each boring. Each borings was advanced approximately 5' below the soil/groundwater interface at a depth of 16' below ground surface (bgs).

Observed soil conditions consisted predominately of reddish brown coarse to fine sand and silt to an approximate depth of 8' bgs, which was underlain with brown fine sand and silt. Of note, IVI encountered fill material at boring location B-4 to an approximate depth of 3' bgs. The fill material was composed of concrete, brick, and coal fragments, and; cinders and ash. Groundwater was encountered at an approximate depth of 10' bgs. IVI inspected each sample for evidence of contamination and field screened the samples for VOC contamination using a PID. IVI did not observe visual or olfactory evidence of contamination. However, IVI detected elevated PID readings at each boring location at concentrations ranging between 0.2 parts per million (ppm) to 117 ppm. PID readings and surficial geology are provided on the boring logs provided in Appendix B of this report.

IVI retained a soil sample from each boring for laboratory analysis, from the interval which exhibited the greatest evidence of contamination. Specifically, the soil samples were collected at

the following depths: 4' bgs at boring B-1; 2' bgs at boring B-2; 9' bgs at boring B-3, and; at 2'; bgs at boring B-4. IVI collected groundwater samples at each of the four (4) boring locations using dedicated 1" PVC riser and screen, and polyethylene tubing. IVI transferred the collected samples to appropriate laboratory supplied containers, packed them on ice in a cooler, and sent them under proper chain-of-custody to York Analytical Laboratories (York). York analyzed the four (4) soil and four (4) groundwater samples for VOCs, semi-VOCs (base neutrals), and priority pollutant metals (metals) in accordance with EPA Methods 8260B, 8270C, and 6010, respectively. Of note, IVI filtered each groundwater sample for the priority pollutant metal analysis in the field.

Soil Analytical Results

Soil analytical results are summarized on Table 1 in Appendix C.

VOCs

The soil sample collected from boring B-4 identified the presence of naphthalene at a concentration of 0.56 milligrams per kilogram (mg/Kg), which was below its New York State Department of Environmental Conservation (NYSDEC) Technical Administrative Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objectives (RSCOs) of 13 mg/Kg. No other VOCs were detected above their respective laboratory method detection limit (MDL).

Semi-VOCs

The soil samples collected from borings B-1 and B-4 identified at least twelve or more semi-VOCs above their respective laboratory MDL. The soil samples collected at borings B-1 and B-4 identified the presence of benzo(a)anthracene, benzo(a)pyrene and chrysene at levels exceeding their NYSDEC TAGM #4046 RSCOs of 0.224 mg/Kg, 0.061 mg/Kg, and 0.4 mg/Kg. The soil sample collected at boring B-4 also identified the presence of benzo(b)- and benzo(k)fluoranthene at levels exceeding their NYSDEC TAGM #4046 RSCOs of 1.1 mg/Kg. The remaining semi-VOCs 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, carbozole, dibenzofuran, diethylphthalate, fluoranthene, fluorine, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and; pyrene were detected below their respective NYSDEC TAGM #4046 RSCOs.

Priority Pollutant Metals

The soil samples collected from each boring identified at least six or more metal compounds above their respective laboratory MDL. The following metals were detected above their respective NYSDEC TAGM #4046 RSCOs and/or Eastern USA Background Guidance Values: arsenic, chromium, copper, lead, nickel, and zinc. The highest concentration of metals exceeding the NYSDEC TAGM #4046 RSCOs were detected in the soil sample collected from Boring B-4.

Groundwater Analytical Results

Groundwater analytical results are summarized on Table 2 in Appendix C.

VOCs

No VOCs were detected in any of the groundwater water sample collected above their respective laboratory MDL.

Semi-VOCs

The groundwater sample collected from boring B-4 identified the presence of fluoranthene, phenanthrene, and pyrene at concentrations of 9 micrograms per kilogram (µg/L), which were below their NYSDEC Technical and Operational Guidance Series (TOGS) Class GA Water Quality Standards (WQS) of 50 µg/L.

Priority Pollutant Metals

The groundwater samples collected from each boring identified the presence of at least one or more metal compounds above their respective laboratory MDL. The following metals were detected below their respective NYSDEC TOGS Class GA WQS: antimony, arsenic, chromium copper, lead, nickel, selenium, and zinc.

The analytical report is provided in Appendix D.

Conclusions and Recommendations

Soil analytical results indicated the presence of five semi-VOCs and four metal compounds at concentrations exceeding their respective NYSDEC TAGM #4046 RSCOs and/or Eastern USA Background Guidance Values at each boring location. Groundwater analytical results did not identify any semi-VOCs or metals above their respective NYSDEC TOGS Class GA WQS. The compounds identified during this Assessment are not indicative of a spill, but are closely related to historic fill material (incineration waste). Soils exhibiting petroleum related contaminants in exceedance of the NYSDEC TAGM #4046 RSCOs that are excavated as part of the Subject's redevelopment will need to be properly disposed of during construction activities. The soils must be classified for waste characterization parameters according to disposal facility requirements, transported under appropriate regulatory permits, and disposed or recycled at a licensed facility permitted to accept the soil. IVI recommends further delineation of the impacted soils is warranted to minimize the amount of soil removed from the Subject.

Please do not hesitate to call if you have any comments or questions regarding this Assessment. Thank you for letting us be of assistance.

Sincerely,

IVI ENVIRONMENTAL, INC.

Jason A. Rankin
Project Manager

Reviewed By:

Steven Gustems
Assistant Department Manager

enc.: Appendix A: Figures
Appendix B: Boring Logs
Appendix C: Tables
Appendix D: Laboratory Report

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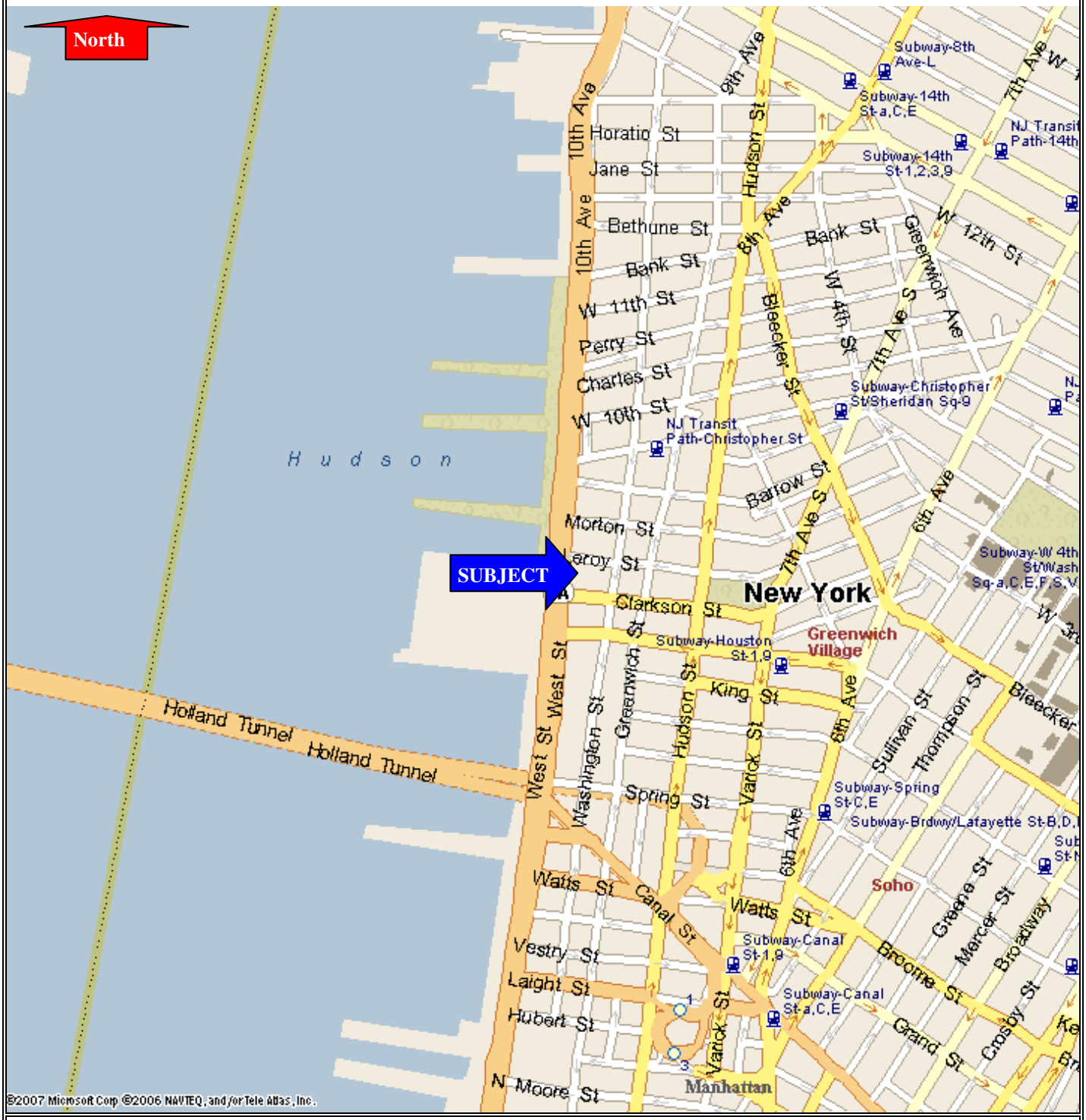

Figure 1 - Site Location Map

Project Site: Three Commercial Buildings 357 and 359 West Street 156 Leroy Street New York, New York 10014 IVI Project No. E7063663	IVI Environmental Inc. 105 Corporate Park Drive, Suite 115 White Plains, New York 10604 (914) 694-9600 (tel) (914) 694-2903 (fax)

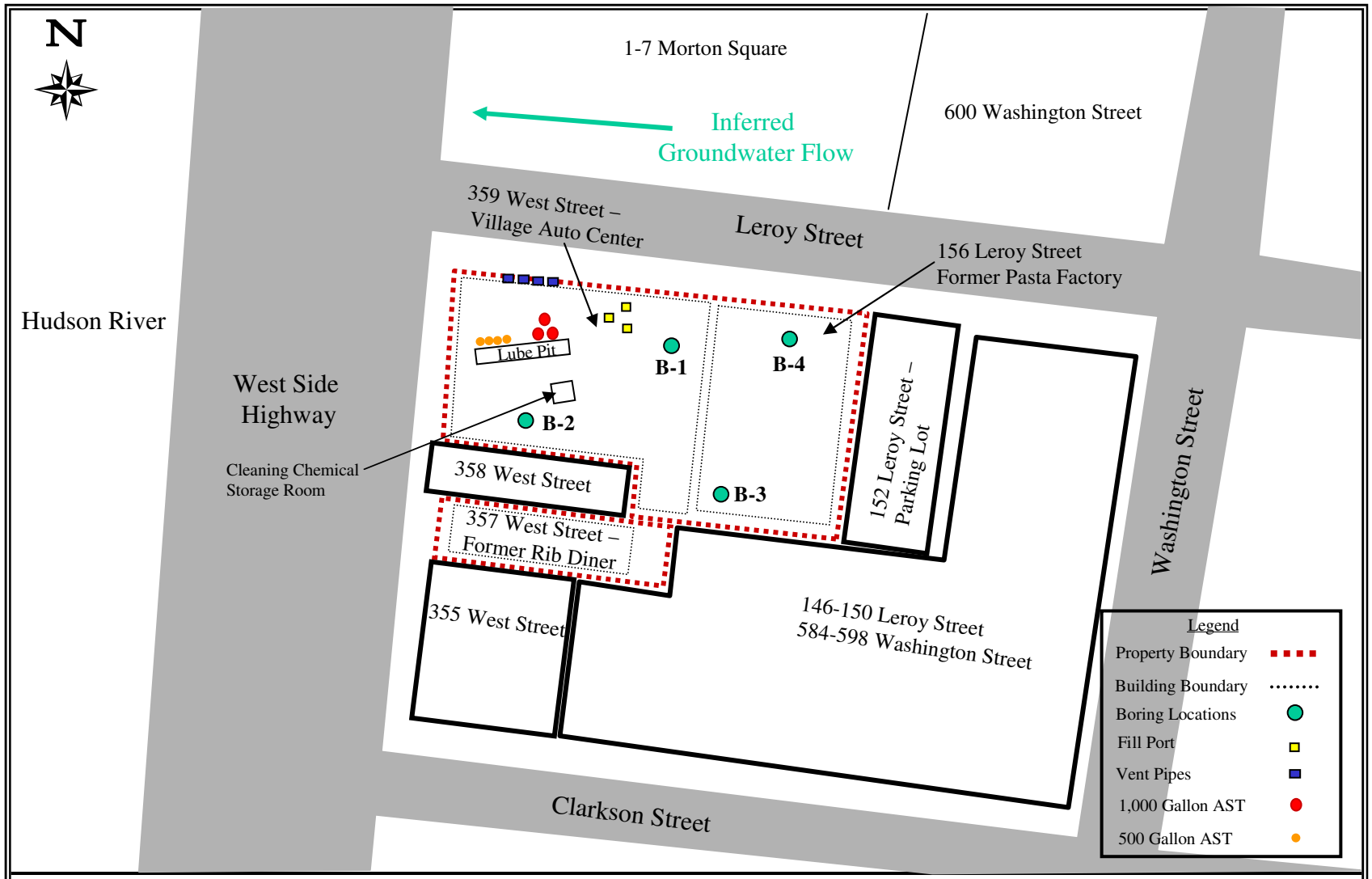

Figure 2 – Boring Location Plan

Three Commercial Buildings 357 & 359 West Street, and 156 Leroy Street New York, New York10014	IVI ENVIRONMETNAL, INC. 105 CORPORATE PARK DRIVE, SUITE 115 WHITE PLAINS, NY 10604 (914) 694-9600 (TEL) (914) 694-2903 (FAX)	Project No: E7063663 Boundaries are approximate. Not to scale.

IVI Environmental, Inc.

105 Corporate Park Drive
White Plains, New York 10604
(914) 694-9600 (tel)
(914) 694-2903 (fax)

Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-1

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/36	42.9	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				23.2	
4	B-1	4-8	48/42	117	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				41	
8		8-12	48/42	65.4	Brown fine SAND and Silt, moist
				3.1	Wet
12		12-16	48/18	1.9	Brown fine SAND and Silt, wet
				0.7	
				0.6	
					End of Boring at ± 16' bgs

IVI Environmental, Inc.

105 Corporate Park Drive
White Plains, New York 10604
(914) 694-9600 (tel)
(914) 694-2903 (fax)

Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-2

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/32	3.1	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
	B-2			7.8	
4		4-8	48/36	1.3	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				1.2	
8		8-12	48/36	1.3	Brown fine SAND and Silt, moist
				1.2	Wet
12		12-16	48/36	0.9	Brown fine SAND and Silt, wet
				1.1	
				0.7	
					End of Boring at ± 16' bgs

IVI Environmental, Inc.

105 Corporate Park Drive
White Plains, New York 10604
(914) 694-9600 (tel)
(914) 694-2903 (fax)

Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-3

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/6	0.3	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				0.2	
4		4-8	48/42	1.2	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				1.3	
8		8-12	48/42	1.5	Brown fine Sand and Silt, very moist
	B-3				
				1.6	Wet
12		12-16	48/36	1.2	Brown fine Sand and Silt, wet
				0.8	
				0.5	
					End of Boring at ± 16' bgs

IVI Environmental, Inc.

105 Corporate Park Drive
White Plains, New York 10604
(914) 694-9600 (tel)
(914) 694-2903 (fax)

Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-4

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/15	84	Dark brown coarse to fine SAND and Silt, some
					concrete, brick, and coal fragments, cinders and ash
	B-4			91	
4		4-8	48/12	25	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				19	
8		8-12	48/36	5.3	Brown fine SAND and Silt, very moist
				4.6	Wet
12		12-16	48/12	3.2	Brown fine SAND and Silt, wet
				1.7	
				0.9	
					End of Boring at ± 16' bgs

Table 1
Summary of Soil Sampling Analytical Results
Three Commercial Buildings
New York, New York
June 27, 2007

Analytical Parameter/Constituent	Eastern USA Background Guidance Values	NYSDEC TAGM #4046 RSCO	Sample Locations and Concentrations (mg/Kg)			
			B-1	B-2	B-3	B-4
VOCs						
Naphthalene	**N/A**	**13**	ND	ND	ND	0.56
SVOCs ~ B/N						
2-Methylnaphthalene	**N/A**	**36.4**	ND	ND	ND	1.8
Acenaphthene	**N/A**	**50**	ND	ND	ND	3.3
Acenaphthylene	**N/A**	**41**	ND	ND	ND	1.3
Anthracene	**N/A**	**50**	0.33	ND	ND	8.6
Benzo(a)anthracene	**N/A**	**0.224**	0.78	ND	ND	18
Benzo(a)pyrene	**N/A**	**0.061**	0.71	ND	ND	6.3
Benzo(b)fluoranthene	**N/A**	**1.1**	0.7	ND	ND	7.9
Benzo(g,h,i)perylene	**N/A**	**50**	0.19	ND	ND	ND
Benzo(k)fluoranthene	**N/A**	**1.1**	0.64	ND	ND	5
Carbazole	**N/A**	**N/A**	ND	ND	ND	3.1
Chrysene	**N/A**	**0.4**	0.88	ND	ND	17
Dibenzofuran	**N/A**	**6.2**	ND	ND	ND	2.9
Diethylphthalate	**N/A**	**7.1**	0.25	ND	ND	ND
Fluoranthene	**N/A**	**50**	2.4	ND	ND	44
Fluorene	**N/A**	**50**	ND	ND	ND	4.7
Indeno(1,2,3-cd)pyrene	**N/A**	**3.2**	0.26	ND	ND	1
Naphthalene	**N/A**	**13**	ND	ND	ND	3.3
Phenanthrene	**N/A**	**50**	2.0	ND	ND	44
Pyrene	**N/A**	**50**	2.0	ND	ND	40
PPMs						
Antimony	**N/A**	**SB**	60.3	ND	ND	66.5
Arsenic	**3-12**	**7.5 or SB**	5.64	5.16	3.71	8.17
Cadmium	**0.1-1**	**1 or SB**	ND	ND	ND	0.98
Chromium	**1.5**	**10 or SB**	9.62	10.3	10.8	16.1
Copper	**1-50**	**25 or SB**	75.2	23.7	15.9	152
Lead	**N/A**	**200-500**	749	29	7.51	1,100
Nickel	**0.5-25**	**13 or SB**	13.8	13.6	13.2	17.5
Silver	**N/A**	**SB**	ND	ND	ND	0.92
Zinc	**9-50**	**20 or SB**	300	28.9	34.3	560

Notes:

1. NYSDEC TAGM #4046 RSCO = New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum #4046 Recommended Soil Cleanup Criteria
2. Shaded cells indicate Eastern USA Background Guidance Values and/or NYSDEC TAGM #4046 RSCO exceedances
3. All concentrations reported in mg/Kg
4. VOCs = Volatile Organic Compounds
5. SVOCs ~ B/N = Semi-Volatile Organic Compounds ~ Base Neutrals
6. PPMs = Priority Pollutant Metals
7. N/A = Not Applicable
8. ND = Not detected
9. SB = Site Background
10. Only compounds detected in at least one sample are shown.

Table 2
Summary of Groundwater Sampling Analytical Results
Three Commercial Buildings
New York, New York
June 27, 2007

Analytical Parameter/Constituent	NYSDEC Water Quality Standards	Sample Locations and Concentrations (ug/L)			
		B-1	B-2	B-3	B-4
SVOCs ~ B/N					
Fluoranthene	**50**	ND	ND	ND	9
Phenanthrene	**50**	ND	ND	ND	9
Pyrene	**50**	ND	ND	ND	9
PPMs					
Antimony	**3**	ND	ND	ND	0.012
Arsenic	**25**	ND	0.020	ND	ND
Chromium	**50**	ND	0.006	ND	ND
Copper	**200**	0.006	ND	ND	0.009
Lead	**25**	0.004	ND	ND	0.003
Nickel	**100**	0.006	0.007	ND	0.012
Selenium	**10**	ND	0.010	ND	ND
Zinc	**2,000**	0.016	0.021	0.017	0.020

Notes:
1. NYSDEC Water Quality Standards = New York State Department of Environmental Conservation Division of Water Technical Operational Guidance Series (1.1.1)
2. All concentrations reported in micrograms per Liter (µg/L).
3. SVOCs ~ B/N = Semi-Volatile Organic Compounds ~ Base Neutrals
4. PPMs = Priority Pollutant Metals
5. ND = Not Detected
6. Only those compounds detected in at least one sample are shown.

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

IVI International, Inc.
105 Corporate Park Dr.
White Plains, NY 10604
Attention: Jason Rankin

Report Date: 6/29/2007
Re: Client Project ID: E7063663/West & Leroy Streets, New York, NY
York Project No.: 07060984

CT License No. PH-0723 New York License No. 10854

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 6/29/2007
Client Project ID: E7063663/West & Leroy Streets, New York, NY
York Project No.: 07060984

IVI International, Inc.
105 Corporate Park Dr.
White Plains, NY 10604
Attention: Jason Rankin

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/28/07. The project was identified as your project "E7063663/West & Leroy Streets, New York, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	10
1,1,1-Trichloroethane			Not detected	5.0	Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	10
1,1,2-Trichloroethane			Not detected	5.0	Not detected	10
1,1-Dichloroethane			Not detected	5.0	Not detected	10
1,1-Dichloroethylene			Not detected	5.0	Not detected	10
1,1-Dichloropropylene			Not detected	5.0	Not detected	10
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	10
1,2,3-Trichloropropane			Not detected	5.0	Not detected	10
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	10
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	10
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	10
1,2-Dibromoethane			Not detected	5.0	Not detected	10

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichlorobenzene			Not detected	5.0	Not detected	10
1,2-Dichloroethane			Not detected	5.0	Not detected	10
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	10
1,2-Dichloropropane			Not detected	5.0	Not detected	10
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	10
1,3-Dichlorobenzene			Not detected	5.0	Not detected	10
1,3-Dichloropropane			Not detected	5.0	Not detected	10
1,4-Dichlorobenzene			Not detected	5.0	Not detected	10
1-Chlorohexane			Not detected	5.0	Not detected	10
2,2-Dichloropropane			Not detected	5.0	Not detected	10
2-Chlorotoluene			Not detected	5.0	Not detected	10
4-Chlorotoluene			Not detected	5.0	Not detected	10
Benzene			Not detected	5.0	Not detected	10
Bromobenzene			Not detected	5.0	Not detected	10
Bromochloromethane			Not detected	5.0	Not detected	10
Bromodichloromethane			Not detected	5.0	Not detected	10
Bromoform			Not detected	5.0	Not detected	10
Bromomethane			Not detected	5.0	Not detected	10
Carbon tetrachloride			Not detected	5.0	Not detected	10
Chlorobenzene			Not detected	5.0	Not detected	10
Chloroethane			Not detected	5.0	Not detected	10
Chloroform			Not detected	5.0	Not detected	10
Chloromethane			Not detected	5.0	Not detected	10
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	10
Dibromochloromethane			Not detected	5.0	Not detected	10
Dibromomethane			Not detected	5.0	Not detected	10
Dichlorodifluoromethane			Not detected	5.0	Not detected	10
Ethylbenzene			Not detected	5.0	Not detected	10
Hexachlorobutadiene			Not detected	5.0	Not detected	10
Isopropylbenzene			Not detected	5.0	Not detected	10
Methylene chloride			Not detected	5.0	Not detected	10
MTBE			Not detected	5.0	Not detected	10
Naphthalene			Not detected	5.0	Not detected	10
n-Butylbenzene			Not detected	5.0	Not detected	10
n-Propylbenzene			Not detected	5.0	Not detected	10
o-Xylene			Not detected	5.0	Not detected	10
p- & m-Xylenes			Not detected	5.0	Not detected	10
p-Isopropyltoluene			Not detected	5.0	Not detected	10
sec-Butylbenzene			Not detected	5.0	Not detected	10
Styrene			Not detected	5.0	Not detected	10
tert-Butylbenzene			Not detected	5.0	Not detected	10
Tetrachloroethylene			Not detected	5.0	Not detected	10
Toluene			Not detected	5.0	Not detected	10
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	10
Trichloroethylene			Not detected	5.0	Not detected	10
Trichlorofluoromethane			Not detected	5.0	Not detected	10
Vinyl chloride			Not detected	5.0	Not detected	10
Base/Neutral Extractables	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	5.90	Not detected	5.90
1,2-Dichlorobenzene			Not detected	5.90	Not detected	5.90
1,3-Dichlorobenzene			Not detected	5.90	Not detected	5.90

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,4-Dichlorobenzene			Not detected	5.90	Not detected	5.90
2,4-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2,6-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2-Chloronaphthalene			Not detected	5.90	Not detected	5.90
2-Methylnaphthalene			Not detected	5.90	Not detected	5.90
2-Nitroaniline			Not detected	5.90	Not detected	5.90
3,3'-Dichlorobenzidine			Not detected	5.90	Not detected	5.90
3-Nitroaniline			Not detected	5.90	Not detected	5.90
4-Bromophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Chloroaniline			Not detected	5.90	Not detected	5.90
4-Chlorophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Nitroaniline			Not detected	5.90	Not detected	5.90
Acenaphthene			Not detected	5.90	Not detected	5.90
Acenaphthylene			Not detected	5.90	Not detected	5.90
Anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)pyrene			Not detected	5.90	Not detected	5.90
Benzo(b)fluoranthene			Not detected	5.90	Not detected	5.90
Benzo(g,h,i)perylene			Not detected	5.90	Not detected	5.90
Benzo(k)fluoranthene			Not detected	5.90	Not detected	5.90
Bis(2-chloroethoxy)methane			Not detected	5.90	Not detected	5.90
Bis(2-chloroethyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-chloroisopropyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-ethylhexyl)phthalate			Not detected	5.90	Not detected	5.90
Butyl benzyl phthalate			Not detected	5.90	Not detected	5.90
Carbazole			Not detected	5.90	Not detected	5.90
Chrysene			Not detected	5.90	Not detected	5.90
Dibenzo(a,h)anthracene			Not detected	5.90	Not detected	5.90
Dibenzofuran			Not detected	5.90	Not detected	5.90
Diethylphthalate			Not detected	5.90	Not detected	5.90
Dimethylphthalate			Not detected	5.90	Not detected	5.90
Di-n-butylphthalate			Not detected	5.90	Not detected	5.90
Di-n-octylphthalate			Not detected	5.90	Not detected	5.90
Fluoranthene			Not detected	5.90	Not detected	5.90
Fluorene			Not detected	5.90	Not detected	5.90
Hexachlorobenzene			Not detected	5.90	Not detected	5.90
Hexachlorobutadiene			Not detected	5.90	Not detected	5.90
Hexachlorocyclopentadiene			Not detected	5.90	Not detected	5.90
Hexachloroethane			Not detected	5.90	Not detected	5.90
Indeno(1,2,3-cd)pyrene			Not detected	5.90	Not detected	5.90
Isophorone			Not detected	5.90	Not detected	5.90
Naphthalene			Not detected	5.90	Not detected	5.90
Nitrobenzene			Not detected	5.90	Not detected	5.90
N-Nitrosodi-n-propylamine			Not detected	5.90	Not detected	5.90
N-Nitrosodiphenylamine			Not detected	5.90	Not detected	5.90
Phenanthrene			Not detected	5.90	Not detected	5.90
Pyrene			Not detected	5.90	Not detected	5.90
Metals, Priority Pollutant List	EPA SW846-6010	mg/L	---	---	---	---
Antimony			Not detected	0.006	Not detected	0.006
Arsenic			Not detected	0.004	0.020	0.004
Beryllium			Not detected	0.0001	Not detected	0.0001

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Cadmium			Not detected	0.003	Not detected	0.003
Chromium			Not detected	0.005	0.006	0.005
Copper			0.006	0.005	Not detected	0.005
Lead			0.004	0.003	Not detected	0.003
Nickel			0.006	0.005	0.007	0.005
Selenium			Not detected	0.005	0.010	0.005
Silver			Not detected	0.005	Not detected	0.005
Thallium			Not detected	0.005	Not detected	0.005
Zinc			0.016	0.005	0.021	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			B-3		B-4	
York Sample ID			07060984-03		07060984-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-03		07060984-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Base/Neutral Extractables	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	5.90	Not detected	5.90
1,2-Dichlorobenzene			Not detected	5.90	Not detected	5.90
1,3-Dichlorobenzene			Not detected	5.90	Not detected	5.90
1,4-Dichlorobenzene			Not detected	5.90	Not detected	5.90
2,4-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2,6-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2-Chloronaphthalene			Not detected	5.90	Not detected	5.90
2-Methylnaphthalene			Not detected	5.90	Not detected	5.90
2-Nitroaniline			Not detected	5.90	Not detected	5.90
3,3'-Dichlorobenzidine			Not detected	5.90	Not detected	5.90
3-Nitroaniline			Not detected	5.90	Not detected	5.90
4-Bromophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Chloroaniline			Not detected	5.90	Not detected	5.90
4-Chlorophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Nitroaniline			Not detected	5.90	Not detected	5.90
Acenaphthene			Not detected	5.90	Not detected	5.90
Acenaphthylene			Not detected	5.90	Not detected	5.90
Anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)pyrene			Not detected	5.90	Not detected	5.90
Benzo(b)fluoranthene			Not detected	5.90	Not detected	5.90
Benzo(g,h,i)perylene			Not detected	5.90	Not detected	5.90

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-03		07060984-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo(k)fluoranthene			Not detected	5.90	Not detected	5.90
Bis(2-chloroethoxy)methane			Not detected	5.90	Not detected	5.90
Bis(2-chloroethyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-chloroisopropyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-ethylhexyl)phthalate			Not detected	5.90	Not detected	5.90
Butyl benzyl phthalate			Not detected	5.90	Not detected	5.90
Carbazole			Not detected	5.90	Not detected	5.90
Chrysene			Not detected	5.90	Not detected	5.90
Dibenzo(a,h)anthracene			Not detected	5.90	Not detected	5.90
Dibenzofuran			Not detected	5.90	Not detected	5.90
Diethylphthalate			Not detected	5.90	Not detected	5.90
Dimethylphthalate			Not detected	5.90	Not detected	5.90
Di-n-butylphthalate			Not detected	5.90	Not detected	5.90
Di-n-octylphthalate			Not detected	5.90	Not detected	5.90
Fluoranthene			Not detected	5.90	9	5.90
Fluorene			Not detected	5.90	Not detected	5.90
Hexachlorobenzene			Not detected	5.90	Not detected	5.90
Hexachlorobutadiene			Not detected	5.90	Not detected	5.90
Hexachlorocyclopentadiene			Not detected	5.90	Not detected	5.90
Hexachloroethane			Not detected	5.90	Not detected	5.90
Indeno(1,2,3-cd)pyrene			Not detected	5.90	Not detected	5.90
Isophorone			Not detected	5.90	Not detected	5.90
Naphthalene			Not detected	5.90	Not detected	5.90
Nitrobenzene			Not detected	5.90	Not detected	5.90
N-Nitrosodi-n-propylamine			Not detected	5.90	Not detected	5.90
N-Nitrosodiphenylamine			Not detected	5.90	Not detected	5.90
Phenanthrene			Not detected	5.90	9	5.90
Pyrene			Not detected	5.90	9	5.90
Metals, Priority Pollutant List	EPA SW846-6010	mg/L	---	---	---	---
Antimony			Not detected	0.006	0.012	0.006
Arsenic			Not detected	0.004	Not detected	0.004
Beryllium			Not detected	0.0001	Not detected	0.0001
Cadmium			Not detected	0.003	Not detected	0.003
Chromium			Not detected	0.005	Not detected	0.005
Copper			Not detected	0.005	0.009	0.005
Lead			Not detected	0.003	0.003	0.003
Nickel			Not detected	0.005	0.012	0.005
Selenium			Not detected	0.005	Not detected	0.005
Silver			Not detected	0.005	Not detected	0.005
Thallium			Not detected	0.005	Not detected	0.005
Zinc			0.017	0.005	0.020	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	10

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,1,1-Trichloroethane			Not detected	10	Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	10
1,1,2-Trichloroethane			Not detected	10	Not detected	10
1,1-Dichloroethane			Not detected	10	Not detected	10
1,1-Dichloroethylene			Not detected	10	Not detected	10
1,1-Dichloropropylene			Not detected	10	Not detected	10
1,2,3-Trichlorobenzene			Not detected	10	Not detected	10
1,2,3-Trichloropropane			Not detected	10	Not detected	10
1,2,3-Trimethylbenzene			Not detected	10	Not detected	10
1,2,4-Trichlorobenzene			Not detected	10	Not detected	10
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	10
1,2-Dibromoethane			Not detected	10	Not detected	10
1,2-Dichlorobenzene			Not detected	10	Not detected	10
1,2-Dichloroethane			Not detected	10	Not detected	10
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	10
1,2-Dichloropropane			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
1,3-Dichlorobenzene			Not detected	10	Not detected	10
1,3-Dichloropropane			Not detected	10	Not detected	10
1,4-Dichlorobenzene			Not detected	10	Not detected	10
1-Chlorohexane			Not detected	10	Not detected	10
2,2-Dichloropropane			Not detected	10	Not detected	10
2-Chlorotoluene			Not detected	10	Not detected	10
4-Chlorotoluene			Not detected	10	Not detected	10
Benzene			Not detected	10	Not detected	10
Bromobenzene			Not detected	10	Not detected	10
Bromochloromethane			Not detected	10	Not detected	10
Bromodichloromethane			Not detected	10	Not detected	10
Bromoform			Not detected	10	Not detected	10
Bromomethane			Not detected	10	Not detected	10
Carbon tetrachloride			Not detected	10	Not detected	10
Chlorobenzene			Not detected	10	Not detected	10
Chloroethane			Not detected	10	Not detected	10
Chloroform			Not detected	10	Not detected	10
Chloromethane			Not detected	10	Not detected	10
cis-1,3-Dichloropropylene			Not detected	10	Not detected	10
Dibromochloromethane			Not detected	10	Not detected	10
Dibromomethane			Not detected	10	Not detected	10
Dichlorodifluoromethane			Not detected	10	Not detected	10
Ethylbenzene			Not detected	10	Not detected	10
Hexachlorobutadiene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methylene chloride			Not detected	10	Not detected	10
MTBE			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m-Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
sec-Butylbenzene			Not detected	10	Not detected	10
Styrene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Tetrachloroethylene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10
trans-1,3-Dichloropropylene			Not detected	10	Not detected	10
Trichloroethylene			Not detected	10	Not detected	10
Trichlorofluoromethane			Not detected	10	Not detected	10
Vinyl chloride			Not detected	10	Not detected	10
Base/Neutral Extractables	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			330	165	Not detected	165
Benzo(a)anthracene			780	165	Not detected	165
Benzo(a)pyrene			710	165	Not detected	165
Benzo(b)fluoranthene			700	165	Not detected	165
Benzo(g,h,i)perylene			190	165	Not detected	165
Benzo(k)fluoranthene			640	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			880	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			250	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			2400	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			260	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			2000	165	Not detected	165
Pyrene			2000	165	Not detected	165
Metals, Priority Pollutant List	EPA SW846-6010	mg/kG	---	---	---	---
Antimony			60.3	0.80	Not detected	0.80
Arsenic			5.64	1.00	5.16	1.00
Beryllium			Not detected	0.10	Not detected	0.10
Cadmium			Not detected	0.30	Not detected	0.30
Chromium			9.62	0.50	10.3	0.50
Copper			75.2	0.60	23.7	0.60
Lead			749	0.30	29.0	0.30
Nickel			13.8	0.90	13.6	0.90
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	0.30	Not detected	0.30
Thallium			Not detected	1.00	Not detected	1.00
Zinc			300	0.60	28.9	0.60
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	25
1,1,1-Trichloroethane			Not detected	10	Not detected	25
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	25
1,1,2-Trichloroethane			Not detected	10	Not detected	25
1,1-Dichloroethane			Not detected	10	Not detected	25
1,1-Dichloroethylene			Not detected	10	Not detected	25
1,1-Dichloropropylene			Not detected	10	Not detected	25
1,2,3-Trichlorobenzene			Not detected	10	Not detected	25
1,2,3-Trichloropropane			Not detected	10	Not detected	25
1,2,3-Trimethylbenzene			Not detected	10	Not detected	25
1,2,4-Trichlorobenzene			Not detected	10	Not detected	25
1,2,4-Trimethylbenzene			Not detected	10	Not detected	25
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	25
1,2-Dibromoethane			Not detected	10	Not detected	25
1,2-Dichlorobenzene			Not detected	10	Not detected	25
1,2-Dichloroethane			Not detected	10	Not detected	25
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	25
1,2-Dichloropropane			Not detected	10	Not detected	25
1,3,5-Trimethylbenzene			Not detected	10	Not detected	25
1,3-Dichlorobenzene			Not detected	10	Not detected	25

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3-Dichloropropane			Not detected	10	Not detected	25
1,4-Dichlorobenzene			Not detected	10	Not detected	25
1-Chlorohexane			Not detected	10	Not detected	25
2,2-Dichloropropane			Not detected	10	Not detected	25
2-Chlorotoluene			Not detected	10	Not detected	25
4-Chlorotoluene			Not detected	10	Not detected	25
Benzene			Not detected	10	Not detected	25
Bromobenzene			Not detected	10	Not detected	25
Bromochloromethane			Not detected	10	Not detected	25
Bromodichloromethane			Not detected	10	Not detected	25
Bromoform			Not detected	10	Not detected	25
Bromomethane			Not detected	10	Not detected	25
Carbon tetrachloride			Not detected	10	Not detected	25
Chlorobenzene			Not detected	10	Not detected	25
Chloroethane			Not detected	10	Not detected	25
Chloroform			Not detected	10	Not detected	25
Chloromethane			Not detected	10	Not detected	25
cis-1,3-Dichloropropylene			Not detected	10	Not detected	25
Dibromochloromethane			Not detected	10	Not detected	25
Dibromomethane			Not detected	10	Not detected	25
Dichlorodifluoromethane			Not detected	10	Not detected	25
Ethylbenzene			Not detected	10	Not detected	25
Hexachlorobutadiene			Not detected	10	Not detected	25
Isopropylbenzene			Not detected	10	Not detected	25
Methylene chloride			Not detected	10	Not detected	25
MTBE			Not detected	10	Not detected	25
Naphthalene			Not detected	10	560	25
n-Butylbenzene			Not detected	10	Not detected	25
n-Propylbenzene			Not detected	10	Not detected	25
o-Xylene			Not detected	10	Not detected	25
p- & m-Xylenes			Not detected	10	Not detected	25
p-Isopropyltoluene			Not detected	10	Not detected	25
sec-Butylbenzene			Not detected	10	Not detected	25
Styrene			Not detected	10	Not detected	25
tert-Butylbenzene			Not detected	10	Not detected	25
Tetrachloroethylene			Not detected	10	Not detected	25
Toluene			Not detected	10	Not detected	25
trans-1,3-Dichloropropylene			Not detected	10	Not detected	25
Trichloroethylene			Not detected	10	Not detected	25
Trichlorofluoromethane			Not detected	10	Not detected	25
Vinyl chloride			Not detected	10	Not detected	25
Base/Neutral Extractables	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	830
1,2-Dichlorobenzene			Not detected	165	Not detected	830
1,3-Dichlorobenzene			Not detected	165	Not detected	830
1,4-Dichlorobenzene			Not detected	165	Not detected	830
2,4-Dinitrotoluene			Not detected	165	Not detected	830
2,6-Dinitrotoluene			Not detected	165	Not detected	830
2-Chloronaphthalene			Not detected	165	Not detected	830
2-Methylnaphthalene			Not detected	165	1800	830
2-Nitroaniline			Not detected	165	Not detected	830

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
3,3'-Dichlorobenzidine			Not detected	165	Not detected	830
3-Nitroaniline			Not detected	165	Not detected	830
4-Bromophenyl phenyl ether			Not detected	165	Not detected	830
4-Chloroaniline			Not detected	165	Not detected	830
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	830
4-Nitroaniline			Not detected	165	Not detected	830
Acenaphthene			Not detected	165	3300	830
Acenaphthylene			Not detected	165	1300	830
Anthracene			Not detected	165	8600	830
Benzo(a)anthracene			Not detected	165	18000	830
Benzo(a)pyrene			Not detected	165	6300	830
Benzo(b)fluoranthene			Not detected	165	7900	830
Benzo(g,h,i)perylene			Not detected	165	Not detected	830
Benzo(k)fluoranthene			Not detected	165	5000	830
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	830
Bis(2-chloroethyl)ether			Not detected	165	Not detected	830
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	830
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	830
Butyl benzyl phthalate			Not detected	165	Not detected	830
Carbazole			Not detected	165	3100	830
Chrysene			Not detected	165	17000	830
Dibenzo(a,h)anthracene			Not detected	165	Not detected	830
Dibenzofuran			Not detected	165	2900	830
Diethylphthalate			Not detected	165	Not detected	830
Dimethylphthalate			Not detected	165	Not detected	830
Di-n-butylphthalate			Not detected	165	Not detected	830
Di-n-octylphthalate			Not detected	165	Not detected	830
Fluoranthene			Not detected	165	44000	830
Fluorene			Not detected	165	4700	830
Hexachlorobenzene			Not detected	165	Not detected	830
Hexachlorobutadiene			Not detected	165	Not detected	830
Hexachlorocyclopentadiene			Not detected	165	Not detected	830
Hexachloroethane			Not detected	165	Not detected	830
Indeno(1,2,3-cd)pyrene			Not detected	165	1000	830
Isophorone			Not detected	165	Not detected	830
Naphthalene			Not detected	165	3300	830
Nitrobenzene			Not detected	165	Not detected	830
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	830
N-Nitrosodiphenylamine			Not detected	165	Not detected	830
Phenanthrene			Not detected	165	44000	830
Pyrene			Not detected	165	40000	830
Metals, Priority Pollutant List	EPA SW846-6010	mg/kG	---	---	---	---
Antimony			Not detected	0.80	66.5	0.80
Arsenic			3.71	1.00	8.17	1.00
Beryllium			Not detected	0.10	Not detected	0.10
Cadmium			Not detected	0.30	0.98	0.30
Chromium			10.8	0.50	16.1	0.50

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper			15.9	0.60	152	0.60
Lead			7.51	0.30	1100	0.30
Nickel			13.2	0.90	17.5	0.90
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	0.30	0.92	0.30
Thallium			Not detected	1.00	Not detected	1.00
Zinc			34.3	0.60	560	0.60
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 07060984

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: for Robert Q. Bradley
Managing Director

Date: 6/29/2007

YORK

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Base Neutral fraction QC*** **Batch Name:** $BNW-23292 **QA Sample #:** AD37926

Unit of Measure: ug/L **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,4-Dichlorobenzene	40	Not detected	Not detected	100	44	**44.0**	36	**36.000**	**20.0**
2,4-Dinitrotoluene	42	Not detected	Not detected	100	57	**57.0**	51	**51.000**	**11.1**
Acenapthene	60	Not detected	Not detected	100	64	**64.0**	56	**56.000**	**13.3**
N-Nitroso-di-n-propy	42	Not detected	Not detected	100	62	**62.0**	53	**53.000**	**15.7**
Pyrene	71	Not detected	Not detected	100	74	**74.0**	67	**67.000**	**9.9**
1,2,4-Trichlorobenze	56	Not detected	Not detected	100	60	**60.0**	51	**51.000**	**16.2**

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Metals, Target Analyte List(TAL)*** **Batch Name:** $MTAQ-23293 **QA Sample #:** AD37926

Unit of Measure: ppm **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
Antimony	97.7	Not detected	Not detected	0.250	0.239	**95.600**	Not detected		
Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Chromium	100	Not detected	Not detected	0.200	0.199	**99.500**	Not detected		
Calcium	Not detected	Not detected	Not detected		Not detected		Not detected		
Cadmium	95.4	Not detected	Not detected	0.050	0.046	**92.000**	Not detected		
Beryllium	97.5	Not detected	Not detected	0.050	0.049	**98.000**	Not detected		
Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Arsenic	91.1	Not detected	Not detected	2.00	2.06	**103.000**	Not detected		
Lead	103	0.004	Not detected	0.500	0.475	**94.200**	0.004		**0.000**
Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Barium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Sodium	Not detected	Not detected	Not detected		Not detected		Not detected		
Zinc	101	0.016	Not detected	0.500	0.520	**100.800**	0.016		**0.000**
Copper	102	0.006	Not detected	0.250	0.264	**103.200**	0.005		**18.182**
Thallium	105	Not detected	Not detected	2.00	1.80	**90.000**	Not detected		
Silver	103	Not detected	Not detected	0.050	0.054	**108.000**	Not detected		
Selenium	94.6	Not detected	Not detected	2.00	2.09	**104.500**	Not detected		
Potassium	Not detected	Not detected	Not detected		Not detected		Not detected		
Nickel	100	0.006	Not detected	0.500	0.508	**100.400**	0.007		**15.385**
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected		
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***VOA QC WATERS*** **Batch Name:** $VOAW-23296 **QA Sample #:** AD37926

Unit of Measure: ug/L **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,1-Dichloroethylene	92	Not detected	Not detected	50	44	**88.0**	43	**86.0**	**2.3**
Benzene	108	Not detected	Not detected	50	50	**100.0**	49	**98.0**	**2.0**
Chlorobenzene	100	Not detected	Not detected	50	47	**94.0**	50	**100.0**	**6.2**
Toluene	110	Not detected	Not detected	50	54	**108.0**	53	**106.0**	**1.9**
Trichloroethylene	112	Not detected	Not detected	50	52	**104.0**	57	**114.0**	**9.2**

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Mercury*** **Batch Name:** HG_W-23298 **QA Sample #:** AD37926

Unit of Measure: mg/L **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
HG_W	103.2	Not detected	Not detected	0.0030	0.0031	**108.2**	Not detected		**0**

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Base Neutral fraction QC*** **Batch Name:** $BNS-23291 **QA Sample #:** AD37930

Unit of Measure: ug/kg **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,4-Dichlorobenzene	44	Not detected	Not detected	100	28	**28.0**	31	**31.000**	**10.2**
2,4-Dinitrotoluene	51	Not detected	Not detected	100	55	**55.0**	55	**55.000**	**0.0**
Acenapthene	63	Not detected	Not detected	100	49	**49.0**	59	**59.000**	**18.5**
N-Nitroso-di-n-propy	56	Not detected	Not detected	100	49	**49.0**	60	**60.000**	**20.2**
Pyrene	73	Not detected	Not detected	100	54	**54.0**	70	**70.000**	**25.8**
1,2,4-Trichlorobenze	56	Not detected	Not detected	100	40	**40.0**	43	**43.000**	**7.2**

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Metals, Target Analyte List(TAL)*** **Batch Name:** $MTS-23294 **QA Sample #:** AD37930

Unit of Measure: ppm **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
Antimony	140	60.3	Not detected	25.0	82.5	**88.80**	60.5		**0.33**
Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Chromium	102	9.62	Not detected	20.0	29.3	**98.400**	9.66		**0.415**
Calcium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Cadmium	100	0	Not detected	5.0	4.88	**97.600**	Not detected		**Not detected**
Beryllium	102	0	Not detected	5.0	4.78	**95.600**	Not detected		**Not detected**
Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Arsenic	99.3	5.64	Not detected	200	199	**96.68**	5.28		**6.59**
Lead	101	749	Not detected	50.0	805	**112.00**	747		**0.27**
Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Barium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Sodium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Zinc	102	300	Not detected	50.0	352	**104.00**	299		**0.33**
Copper	113	75.2	Not detected	25.0	103	**111.20**	74.7		**0.67**
Thallium	95.4	0	Not detected	200	190	**95.00**	Not detected		**Not detected**
Silver	104	0	Not detected	5.0	5.05	**101.00**	Not detected		**Not detected**
Selenium	105	0	Not detected	200	196	**98.00**	Not detected		**Not detected**
Potassium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Nickel	112	13.8	Not detected	50.0	63.7	**99.80**	13.7		**0.73**
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Magnesium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***VOA QC Soils*** **Batch Name:** $VOAS-23295 **QA Sample #:** AD37930

Unit of Measure: ug/kg **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,1-Dichloroethylene	92	Not detected	Not detected	50	44	**88.0**	43	**86.0**	**2.3**
Benzene	108	Not detected	Not detected	50	50	**100.0**	49	**98.0**	**2.0**
Chlorobenzene	100	Not detected	Not detected	50	47	**94.0**	50	**100.0**	**6.2**
Toluene	110	Not detected	Not detected	50	54	**108.0**	53	**106.0**	**1.9**
Trichloroethylene	112	Not detected	Not detected	50	52	**104.0**	57	**114.0**	**9.2**

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Mercury*** **Batch Name:** HG_S-23297 **QA Sample #:** AD37930

Unit of Measure: mg/kG **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
HG_S	90.0	Not detected	Not detected	1.50	1.37	**94.4**	Not detected		**0.9**

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE
STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

07060984

Company Name	Report To:	Invoice To:	Project ID/No.	
IVI ENVIRONMENTAL, INC.	JASON A. RANKIN	IVI	E70631663/ WEST & LEROY STREETS, NEW YORK N.Y.	Samples Collected By (Signature): Jason A. Rankin Name (Printed): JASON A. RANKIN

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
1	B-1	06/27/07	X	X			VOCs, BN, and PPM	1x4oz UNPRES. JAR 1x8oz " " 2x40mL HCl VIAL
2	B-2							1x1L UNPRES AMBER. 1x250mL HNO_3 PLASTIC BOTTLE
3	B-3							
4	B-4							

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Jason A. Rankin Sample Relinquished by	06/27/07 @ 1230 Date/Time	Sample Received by	Date/Time
Bottles Received in Field by	Date/Time	FED-EX Sample Relinquished by	06/27/07 @ 800 Date/Time	6/28 Sample Received in LAB by	9:40AM Date/Time

Comments/Special Instructions
250mL PLASTIC BOTTLE – PPM FILTERED IN THE FIELD

4.0C

Turn-Around Time
___ Standard ✓ RUSH(define) 24 hrs.

September 28, 2012

Raymond L. Del Savio
Gorton & Partners, LLC
21 West 38th Street, 6th Floor
New York, NY 10018

Re: Environmental Site Investigation Report
359 West Street
New York, New York
Langan Project No.: 170215701

Dear Mr. Del Savio:

On behalf of Gorton & Partners, LLC, Langan prepared this environmental site investigation report in support of your due diligence of the property at 359 West Street in Manhattan, New York (the site). The objective of this environmental investigation is to supplement the findings from the Phase II Environmental Site Investigation (ESI), performed by IVI Environmental, Inc. (IVI) in July 2007, in order to better evaluate subsurface environmental conditions. This report includes a summary of the background and existing data, a description of our field investigation procedures including soil, groundwater and soil gas sampling, analytical results and our conclusion and recommendations.

PROJECT BACKGROUND

We understand that the building occupying 359 West Street will be demolished to allow for redevelopment. The foundation design has not yet been finalized. For this investigation, we evaluated soil conditions to 12 feet below the slab.

Site Location and Description

The site is identified as Block 601, Lot 8 on the City of New York official tax maps and located on the northwest corner of the city block bound by Leroy Street to the north, Washington Street to the east, Clarkson Street to the south and West Street to the west. A site location map is included as Figure 1.

The site lot is 9,985 square feet and is improved with a two-story, 12,517 square foot building with a cellar. The cellar was used a lube pit while the building was an active carwash and lube/oil change shop. At the time of this investigation, the building was vacant.

Previous Investigations

A Phase I environmental site assessment was completed by IVI on December 28, 2005. The Phase I report was not available for review. A Phase II ESI, performed by IVI in July 2007, included completion of two soil borings, collection and analysis of two soil samples, installation of two temporary monitoring wells and collection and analysis of two groundwater samples. A complete copy of IVI's Phase II ESI is included in Attachment A. Relevant information is summarized below:

Two soil borings, B-1 and B-2, were completed to a depth of 16-feet below ground surface (bgs). Groundwater was observed approximately 10-feet bgs.

IVI did not observe visual or olfactory evidence of contamination in subsurface soils; however, elevated total organic vapor concentrations measured with a photoionization device (PID) were reported between 0.6 parts per million (ppm) and 117 ppm.

IVI submitted two soil samples, B-1 and B-2, for analysis. Soil samples were analyzed for volatile organic compounds (VOC), semi-volatile organic compounds (SVOC) and metals. Volatile organic compounds were not detected in soil. Three SVOC and four metal compounds were detected in soil at concentrations above the New York State Department of Environmental Conservation (NYSDEC) Technical Administrative Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objectives (RSCOs). IVI concluded that the presence of these compounds are not indicative of a spill, but are related to historic fill material at the site.

IVI also submitted two groundwater samples, B-1 and B-2, for analysis. Groundwater samples were analyzed for VOC, SVOC and metals. No compounds were detected at concentrations above the NYSDEC Technical and Operational Guidance Series (TOGS) Class GA Water Quality Standards (WQS).

FIELD INVESTIGATION

The purpose of this investigation is to evaluate subsurface conditions and supplement the findings IVI's Phase II. Our field activities were performed on September 17, 2012 and consisted of the following:

- Observation and inventory of site cellar/oil change pit;
- Advancement of two soil borings and collection and analysis of four soil samples (two from depths of 3 to 5 feet, one from 7 to 9 feet, and one from 10 to 12 feet below the slab);
- Installation of two temporary monitoring wells screened at 5 to 15 feet and 10 to 20 feet below the slab;
- Collection and analysis of two groundwater samples, and;
- Installation of one sub-slab soil vapor point and analysis of one sub-slab soil vapor sample.

Photographs documenting our field investigation are included as Attachment B.

Site Observation and Inventory

Langan observed and inventoried the lube/oil change pit. The area was entered via a wall ladder at the western end of the oil change pit. The following is a summary of significant observations:

- Four Lube Cube® above ground storage tanks (ASTs) were observed in the cellar. Signage indicated the ASTs contained motor oil 10W-30 and appeared to be in good condition. The contents could not be confirmed; however, Langan observed liquids in each AST.
- Two, plastic, 55-gallon drums were observed in the cellar. The drums appeared to be in good condition with no signs of leakage or corrosion. The contents of each drum could not be confirmed; however, liquid was identified in each drum.
- Three steel drums, consisting of one 30-gallon and two 55-gallon open-topped drums, were observed in the cellar. We observed oil in each drum. Indications of leakage and corrosion were observed surrounding the 30-gallon drum.
- The cellar floor is concrete and in general good conditions (free of major cracks or penetrations).
- One floor drain or possible fill port was observed at the eastern end of the cellar (see Photo 5 in Attachment B). An oily-like fluid was observed in the drain and evidence of staining was observed on the floor in the surrounding area.
- Indications of spillage, including residual oil and staining were observed throughout the cellar floor.

Soil Investigation

Aquifer Drilling and Testing, Inc. (ADT) of Mineola, New York completed the soil borings, well installations, and soil vapor sampling point installation. ADT advanced two soil borings (SB-1 and SB-2) to depths of 15 and 20 feet bgs using a track-mounted, Geoprobe® 6610 direct-push sampler. Soil samples were collected continuously into five-foot Macro-Core® sample barrels with dedicated acetate liners. Soil samples were inspected for visual and olfactory evidence of contamination and screened for total organic vapors with a PID equipped with a 10.6 electron volt lamp. Field observations were documented in boring logs, which are included as Attachment C. Boring locations are shown in Figure 2.

Four grab soil samples were collected into laboratory-supplied containers and delivered via courier under standard chain-of-custody protocol to Chemtech Environmental Laboratories, Inc (Chemtech), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) accredited laboratory in Mountainside, New Jersey. Langan collected one grab sample from fill and one from the capillary fringe at each location. The fill sample was collected because of elevated PID readings and observed ash and other anthropogenic material. The capillary fringe sample was collected to assess the unsaturated soil and groundwater interface and because no other indications of contamination was observed.

Grab soil samples from fill were analyzed for target compound list (TCL) VOCs by Environmental Protection Agency (EPA) method 8260, TCL SVOCs by EPA method 8270, target analyte list (TAL) metals by EPA Methods 6010B/7471A, polychlorinated biphenyls (PCB) by EPA method 8082, pesticides by EPA method 1699 and herbicides by EPA method 8151. Grab soil samples collected from the capillary fringe were analyzed for TCL VOC, TCL SVOC and TAL metals only. Grab VOC soil samples were collected with Encore™ soil sampling kits.

Groundwater Investigation

ADT installed temporary groundwater monitoring wells (TMW-1 and TMW-2) at each boring by inserting one-inch diameter, schedule 40 polyvinyl chloride (PVC), 0.01-inch, 10-feet-long, slotted screen and attached riser into the open borehole. An oil-water interface probe was used to measure depth to groundwater and screen for light, non-aqueous phase liquids. Groundwater was recovered from each well using a peristaltic pump and dedicated polyethylene tubing. Prior to sample collection, groundwater parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) were recorded using a Horiba® U-52 water quality meter. Groundwater parameters are provided in Attachment D.

Two groundwater samples were collected into laboratory-supplied glassware and delivered via courier service under standard chain-of-custody protocol to Chemtech. Groundwater samples collected from wells TMW-1 and TMW-2 were analyzed for TCL VOCs by EPA Method 8260, TCL SVOCs by EPA Method 8270, TAL metals by EPA Methods 6010B/7471A, PCBs by EPA Method 8082, pesticides by EPA Method 1699 and herbicides by EPA Method 8151. Temporary monitoring well locations are shown in Figure 2.

Soil Vapor Investigation

ADT installed a gas vapor implant 6 inches below the slab. ADT penetrated the concrete slab with a hammer drill and inserted the gas vapor implant into the open borehole. Prior to sample collection, each sampling point was purged using a PID at a rate of 0.5 liters per minute (L/min) to evacuate a minimum of three sample tubing volumes. As a quality assurance/quality control (QA/QC) measure, an inert tracer gas (helium) was introduced into an above-grade sampling chamber and then a helium detector was attached to the tubing. This step ensured that the soil vapor sampling point was properly sealed above the target sampling depth and confirmed that ambient air did not infiltrate the subsurface during sampling.

Soil vapor samples were collected into laboratory-supplied, batch-certified six-liter Summa® canisters that were calibrated for a sampling rate of 0.05 L/min for 120 minutes of sampling. The collected samples were delivered via courier service to Chemtech under standard chain-of-custody protocol and analyzed for VOCs by EPA Method TO-15. Soil vapor sample logs are provided in Attachment E.

OBSERVATIONS AND RESULTS

Subsurface Observations

Historic fill, consisting primarily of fine to coarse sand with some silt, gravel, brick, concrete, and ash, extends from ground surface to depths ranging between 7 feet (SB-1) and 10 feet bgs (SB-2). Fine sand interlayered with silt underlies the fill. The depth to groundwater was 9.5 in TMW-1 and 13.1 feet in TMW-2.

Visual and olfactory evidence of contamination was not observed in soil or groundwater at the site. Elevated PID readings were observed in historic fill. PID readings up to limits of the instrument (9,999 ppm) were observed at 4 feet bgs in each boring. PID readings steadily decreased with depth at each location to 0.1 ppm at termination depth.

Analytical Results

Complete analytical results for soil, groundwater and sub-slab soil vapor samples are included as Attachment F. Significant results are summarized below.

Soil Sample Results

Analytical results were compared to Title 6 of the New York Codes, Rules and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs). The analytical results are summarized in Table 1 and presented on Figure 2.

Volatile Organic Compounds

One VOC, tetrachloroethene, was detected in soil sample in LB-1 (3-5) at a concentration below its Unrestricted Use SCO.

Semi Volatile Organic Compounds

Twenty SVOCs were detected in one or more samples, including seven at concentrations greater than the Unrestricted Use SCOs. The following SVOCs were detected at concentrations greater than their respective Unrestrictive Use SCOs:

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(K)fluoranthene
- Chrysene
- Dibenz(a,h)anthracene
- Indeno(1,2,3-cd)pyrene

These polycyclic aromatic hydrocarbons (PAH) are commonly found in historic urban fill and only exceeded the SCOs in samples collected from the fill layer and is likely due to the ash observed in the fill.

Polychlorinated Biphenyls, Pesticides and Herbicides

No PCB or herbicides were detected in soil samples. One pesticide compound, methoxychlor, was detected in fill samples LB-1 (3-5) and LB-2 (3-5) at concentrations of 0.092 milligrams per kilogram (mg/kg) and 0.11 mg/kg. An Unrestricted Use SCO does not exist for methoxychlor; however, the CP-51 / Soil Cleanup Guidance Supplemental Soil Cleanup Objective for methoxychlor is 100 mg/kg.

Metals

Twenty one metals were detected in one or more samples, including three at concentrations greater than the Unrestricted Use SCOs. The following metals were detected at concentrations greater than their respective SCOs:

- Copper
- Lead

- Mercury

Groundwater Results

Analytical results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance values for Class GA groundwater. Analytical results are summarized in Table 2 and presented on Figure 2.

VOCs, SVOCs, PCBs Pesticides and Herbicides

No VOC, PCB, pesticides or herbicides were detected in groundwater samples.

Total Metals

Fifteen metals were detected in one or more samples, including four at concentrations above the TOGS Class GA AWQS. The following metals were detected above their respective AWQS:

- Iron
- Magnesium
- Manganese
- Sodium

These metals were also detected in soil samples collected during this investigation.

Dissolved Metals

Thirteen metals were detected in one or more samples, including four at concentrations above the TOGS Class GA AWQS. The following metals were detected above their respective AWQS:

- Iron
- Magnesium
- Manganese
- Sodium

These metals were also detected in soil samples collected and were reported at similar concentrations for total metals.

Sub-Slab Soil Vapor Sample Results

Sub-slab soil vapor samples were compared to the NYSDOH Air Guidance Values (AGVs). In addition, sample results were compared to several indoor air background data base concentrations that are presented in Appendix C of the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance), including Upper Fence Limit Indoor Air Values from "Table C-1 NYSDOH 2003: Study of VOCs in Air of Fuel Oil Heated Homes," 90th Percentile Indoor Air Values from "Table C-2 – EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method," and the 95th Percentile Indoor Air Values from "Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air". The analytical results for subsurface samples are summarized in Table 3 and are shown on Figure 2.

None of the VOCs exceeded the NYSDOH AGVs. Only acetone and o-xylene were detected at concentrations above the background comparison criteria.

CONCLUSIONS

Based on this investigation, we conclude the following:

- Shallow soil at the site consists of historic urban fill to depths of 7 to 10 feet below the slab. Native soil was observed below the fill to boring termination depths of 15 and 20 feet.
- Concentrations of SVOCs, methoxychlor, and metals above NYSDEC Part 375 Unrestricted Use SCOs were detected in samples collected form the fill. Based on our subsurface observations and review of the analytical data, the SVOCs, methoxychlor, and metals appear to be a constituent of the historic fill and are not related to a separate contaminant source.
- Soil results do not indicate the presence of characteristic hazardous waste;
- Several metals were detected and concentrations above the TOGS AWQS in groundwater. However, these compounds were also detected in soil and are attributed to historic urban fill;
- Comparison of filtered to unfiltered groundwater samples did not indicate a significant reduction in metals concentrations from filtering. From this comparison, we conclude that the detected metals are reflective of groundwater quality and minimally affected by suspended soils;
- The detected acetone and o-xylene vapor concentrations marginally exceed the anticipated indoor air background concentrations. Because these compounds were not detected in soil or groundwater samples, their presence does not warrant further remedial measures; and,
- Our review of IVI's Phase II ESI and its comparison to results of this investigation, confirms that subsurface conditions have not significantly changed.

RECOMMENDATIONS

Langan recommends the following:

- Excavated fill would be considered a regulated, non-hazardous solid waste. Soil should be handled and transported in accordance with applicable local, state and federal regulations to a disposal facility that is permitted to accept this material. This material should be properly characterized prior to transportation to an offsite disposal facility.
- Upon redevelopment, exposed soil (i.e., soil is not covered by a paved or other impermeable surface), it should be covered with at least two feet of fill material meeting the Part 375 Unrestricted Use SCO.
- The floor drain observed in the eastern end of the cellar should be further evaluated for subsurface impacts.

- ASTs, associated piping, stained concrete, petroleum containers, petroleum-impacted debris, and drums identified in the cellar and lube/oil change pit should be emptied prior to development and care should be taken to collect any residual liquid. This material should be properly characterized prior to transportation to an off-site disposal facility and handled in accordance with applicable local, state and federal regulations.

CLOSING

This environmental site investigation report was prepared expressly for Gorton & Partners, LLC for the property located at 359 West Street in Manhattan, New York and for the objectives defined herein. If you have any questions or comments, please call me at (212) 479-5559 or via email at gnicholls@langan.com.

Sincerely,
Langan Engineering & Environmental Services, Inc., PC

Gerald F. Nicholls

Gerald Nicholls, CHMM
Project Manager

Michael D. Burke

Michael Burke, CHMM
Senior Project Manager

GN:sl
Enclosure(s): Table 1 – Soil Sample Analytical Results Summary
Table 2 – Groundwater Analytical Results Summary
Table 3 – Sub-Slab Soil Vapor Analytical Results Summary
Figure 1 – Site Location Map
Figure 2 – Sample Locations and Results Map
Attachment A – IVI's Phase II ESI – Dated July 2007
Attachment B – Site Photographs
Attachment C – Soil Boring Logs
Attachment D – Groundwater Parameters Log
Attachment E –Soil Vapor Sampling Log
Attachment F – Laboratory Reports D4250 and D4252

cc: Mark Sheeran (Gorton & Partners)
Joel Landes

NJ Certificate of Authorization No. 24GA27996400
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TABLES

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS SUMMARY
359 WEST STREET
NEW YORK, NEW YORK
LANGAN PROJECT NO. 170215701

Sample ID Lab Sample Number Sampling Date	NYSDEC Part 375 Unrestricted Use SCOs	LB-1(3-5) D4250-01 9/17/2012		LB-1(7-9) D4250-02 9/17/2012		LB-2(3-5) D4250-03 9/17/2012		LB-2(10-12) D4250-04 9/17/2012	
Volatile Organic Compounds (mg/kg)									
Tetrachloroethene	1.3	0.006	J	0.0048	U	0.00235	U	0.0029	U
Semi Volatile Organic Componds (mg/kg)									
2-Methylnaphthalene	NA	0.175	U	0.185	U	0.36		0.19	U
Acenaphthene	20	0.27	J	0.185	U	0.76		0.19	U
Acenaphthylene	100	0.175	U	0.185	U	0.17	J	0.19	U
Anthracene	100	0.6		0.185	U	1.6		0.19	U
Benzo(a)anthracene	1	**1.4**		0.185	U	**3**	**D**	0.19	U
Benzo(a)pyrene	1	**1.2**		0.185	U	**2.7**		0.19	U
Benzo(b)fluoranthene	1	**1.4**		0.185	U	**3.2**	**D**	0.19	U
Benzo(g,h,i)perylene	100	0.67		0.185	U	1.5		0.19	U
Benzo(k)fluoranthene	0.8	0.53		0.185	U	**1.1**		0.19	U
Carbazole	NA	0.21	J	0.185	U	0.68		0.19	U
Chrysene	1	**1.4**		0.185	U	**2.9**	**D**	0.19	U
Dibenz(a,h)anthracene	0.33	0.16	J	0.185	U	**0.36**	**J**	0.19	U
Dibenzofuran	7	0.15	J	0.185	U	0.66		0.19	U
Dimethylphthalate	NA	0.21	J	0.22	J	0.28	J	0.36	J
Fluoranthene	100	3.2	D	0.185	U	7.8	D	0.19	U
Fluorene	30	0.22	J	0.185	U	0.63		0.19	U
Indeno(1,2,3-cd)pyrene	0.5	**0.66**		0.185	U	**1.5**		0.19	U
Naphthalene	12	0.15	J	0.185	U	0.9		0.19	U
Phenanthrene	100	2.8	D	0.185	U	7.8	D	0.19	U
Pyrene	100	2.9	D	0.185	U	6.8	D	0.19	U
Pesticides (mg/kg)									
Methoxychlor	NA	0.092	D	NR		0.11	D	NR	
Polychlorinated Biphenyls (PCBs) (mg/kg)									
Total PCBs	0.1	ND		NR		ND		NR	
Herbicides (mg/kg)									
	NA	ND		NR		ND		NR	
Metals (mg/kg)									
Aluminum	NA	4,900		9,660		3,880		6,760	
Arsenic	13	2.44		4.23		1.03		2.66	
Barium	350	47.3		37.5		52		31.7	
Beryllium	7.2	0.33		0.34		0.22	J	0.29	
Calcium	NA	29,700		698		2,060		859	
Chromium	NA	13.2		15.3		11.8		16.7	
Cobalt	NA	6.67		8.3		4.8		6.23	
Copper	50	**82.7**		17.1		13.3		12.5	
Iron	NA	12,200		21,300		10,700		14,800	
Lead	63	**65.9**		7.92		8.17		5.42	
Magnesium	NA	18,900		3,260		3,060		2,320	
Manganese	1,600	244		263		257		271	
Mercury	0.18	**0.817**	**D**	0.05		**0.872**	**D**	0.04	
Nickle	30	20.3		19.4		19.2		15	
Potassium	NA	876		787		1,090		672	
Selenium	3.9	1.45		2.21		0.98		1.74	
Silver	2	0.57		0.83		0.34	J	0.5	
Sodium	NA	180		131		112		131	
Thallium	NA	0.75	U	1.04	J	0.765	U	0.48	J
Vanadium	NA	15.3		13.7		11.8		17.1	
Zinc	109	66.3		48.9		21.6		41.9	

NOTES:
Analytical results compared to New York State Department of Environmental Conservation (NYSDEC) NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).
Compounds detected at concentrations above the SCOs are shown in **bold.**
Compounds with a reporting limit above the applicable criteria are shown *italics*.
U -The compound was not detected at the indicated concentration.
J-Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
D-The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
NR-Not analyzed.
ND - None detected.
NA - Applicable criteria does not currently exist.
mg/kg-milligrams per kilogram.

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS SUMMARY
359 WEST STREET
NEW YORK, NEW YORK
LANGAN PROJECT NO. 170215701

Sample ID **Lab Sample Number** **Sampling Date**	**NYSDEC - TOGS 1.1.1 AWQS**	**TMW-1** **D4250-05** **9/17/2012**		**TMW-2** **D4250-06** **9/17/2012**	
Volatile Organic Compounds (ug/L)					
Total VOCs	NA	ND		ND	
Semi Volatile Organic Compounds (ug/L)					
Total SVOCs	NA	ND		ND	
Pesticides (ug/L)					
	NA	ND		ND	
Polychlorinated Biphenyls (ug/L)					
Total PCBs	0.09	ND		ND	
Herbicides (ug/L)					
	NA	ND		ND	
Total Metals (ug/L)					
Aluminum	NA	1310		1510	
Arsenic	50	8.18	J	13.9	
Barium	1000	563		208	
Calcium	NA	178000		111000	
Chromium	50	6.86		3.38	J
Copper	200	10.1		6.91	J
Iron	300	**13200**		**13300**	
Lead	25	15.3		20.4	
Magnesium	35,000	**43000**		25400	
Manganese	300	**3140**		**3810**	
Mercury	0.7	0.105	J	0.1	U
Nickel	100	16.4	J	6.3	J
Potassium	NA	50800		39100	
Sodium	20000	**707000**		**187000**	
Zinc	2000	60.6		31.9	
Dissolved Metal (ug/L)					
Aluminum	NA	121		92	
Arsenic	50	7.93	J	15	
Barium	1000	541		231	
Calcium	NA	192000		137000	
Copper	200	3.2	J	2.06	J
Iron	300	**8270**		**13700**	
Lead	25	4.64	J	5.61	J
Magnesium	35000	**47000**		31900	
Manganese	300	**3400**		**4680**	
Nickel	100	6.29	J	10	U
Potassium	NA	55400		491000	
Sodium	20000	**696000**		**232000**	
Zinc	2000	22.9		11.8	J

NOTES:
Analytical results compared to New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values (AWQS).
Compounds detected above the AWQS are shown in **bold**.
U-The compound was not detected at the indicated concentration.
J-Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
NR-Not analyzed
ND-None detected.
NA-criteria does not currently exist.

TABLE 3 - SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS SUMMARY
359 WEST STREET
NEW YORK, NEW YORK
LANGAN PROJECT NO. 170215701

Sample ID **Lab Sample Number** **Sampling Date** **Dilution Factor**	**NYSDOH AGV**	**NYSDOH Fuel Oil 2003 Upper Fence Limit (1)**	**USEPA 2001 BASE Data 90th Precentile Value (1)**	**HEI RIOPA 2005 95th Percentile Value (1)**	**SV-1** **D4252-01DL** **9/17/2012** **10**	
Volatile Organic Compounds - TO15 List (µg/m^3)						
2-Butanone	~	~	~	~	13.6	JD
Acetone	~	115	98.9	45.8	**237**	**D**
m/p-Xylene	~	11	22.2	22.2	9.99	JD
o-Xylene	~	7.1	7.9	7.24	**9.56**	**JD**
Tetrachloroethene	100	2.5	15.9	6.01	39.3	D
Toluene	~	57	43	39.8	10.2	JD

Qualifiers

(1) Analytical results compared to Appendix C of the Final New York State Department of Health (NYSDOH) Guidance document.

Compounds detected at concentrations, which exceed the range of background databases, are shown in bold.

AGV-air guideline values.

BASE-building assessment and survey evaluation.

HEI RIOPA-Health Effect Institute: Relationship of indoor, outdoor and personal air.

USEPA-United States Environmental Protection Agency

ASTM-American Society of Testing Materials

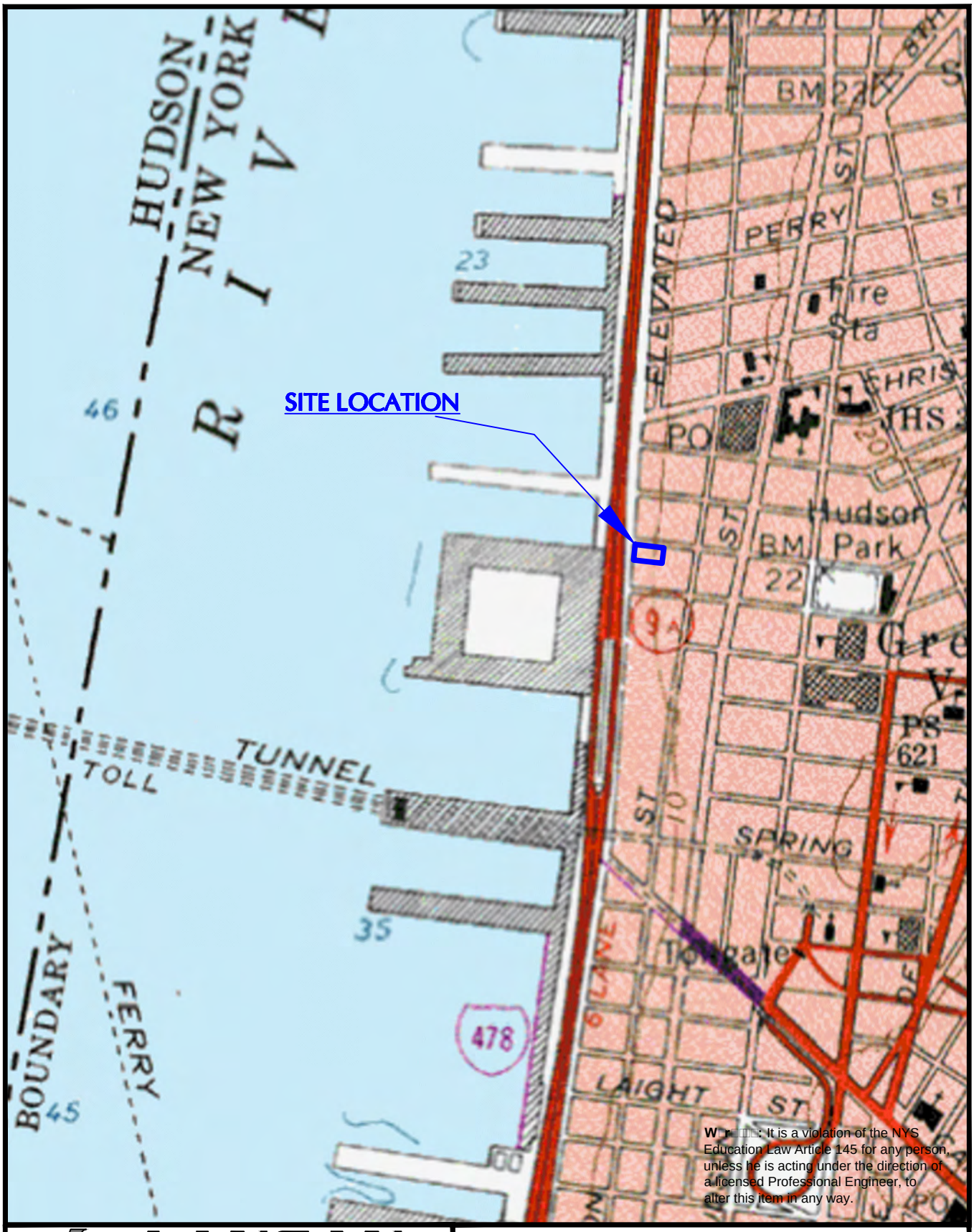
J-Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value

D-The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

~-Criteria does not currently exist.

µg/m3=micrograms per kilogram.

FIGURES



W[redacted]: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this item in any way.

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NJ Certificate of Authorization No: 24GA27996400

SITE LOCATION MAP

359 WEST STREET

MANHATTAN NEW YORK

Project No.	Date	Scale	Fig. No.
170215701	09/26/2012	NTS	1

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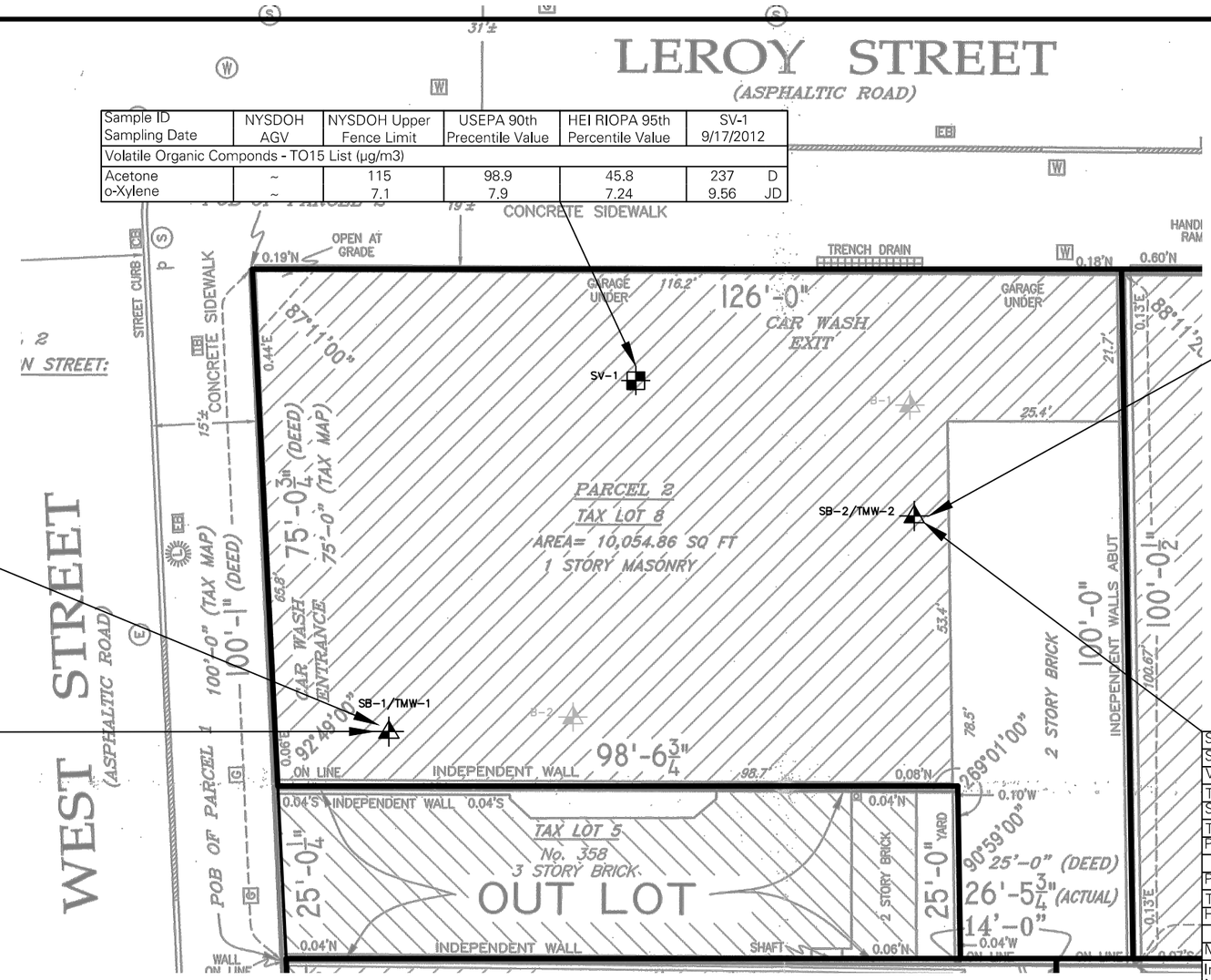

Sample ID Sampling Date	NYSDOH AGV	NYSDOH Upper Fence Limit	USEPA 90th Precentile Value	HEI RIOPA 95th Percentile Value	SV-1 9/17/2012
Volatile Organic Componds - TO15 List (µg/m3)					
Acetone	~	115	98.9	45.8	237 D
o-Xylene	~	7.1	7.9	7.24	9.56 JD

Sample ID Sampling Date	NYSDEC SCOs	LB-1(3-5) 9/17/2012	LB-1(7-9) 9/17/2012
Volatile Organic Componds (mg/kg)			
Total VOCs	127-18-4	NE	ND
Semi Volatile Organic Componds (mg/kg)			
Benzo(a)anthracene	1	1.4	ND
Benzo(a)pyrene	1	1.2	ND
Benzo(b)fluoranthene	1	1.4	ND
Chrysene	1	1.4	ND
Indeno(1,2,3-cd)pyrene	0.5	0.66	ND
Pesticides (mg/kg)			
Methoxychlor	NA	NE	NR
Polychlorinated Biphenyls (PCBs) (mg/kg)			
Total PCBs	0.1	ND	NR
Herbicides (mg/kg)			
	NA	ND	NR
Metals (mg/kg)			
Copper	50	82.7	NE
Lead	63	65.9	NE
Mercury	0.18	0.817 D	NE

Sample ID Sampling Date	NYSDEC SCOs	LB-2(3-5) 9/17/2012	LB-2(10-12) 9/17/2012
Volatile Organic Componds (mg/kg)			
Total VOCs	127-18-4	ND	ND
Semi Volatile Organic Componds (mg/kg)			
Benzo(a)anthracene	1	3 D	ND
Benzo(a)pyrene	1	2.7	ND
Benzo(b)fluoranthene	1	3.2 D	ND
Benzo(k)fluoranthene	0.8	1.1	ND
Chrysene	1	2.9 D	ND
Dibenzo(a,h)anthracene	0.33	0.36 JD	
Indeno(1,2,3-cd)pyrene	0.5	1.5	ND
Pesticides (mg/kg)			
Methoxychlor	NA	NE	NR
Polychlorinated Biphenyls (PCBs) (mg/kg)			
Total PCBs	0.1	ND	NR
Herbicides (mg/kg)			
	NA	ND	NR
Metals (mg/kg)			
Mercury	0.18	0.872 D	NE

Sample ID Sampling Date	NYSDEC - TOGS 1.1.1 AWQS	TMW-1 9/17/2012	
Volatile Organic Compounds (ug/L)			
Total VOCs	NA	ND	
Semi Volatile Organic Compounds (ug/L)			
Total SVOCs	NA	ND	
Pesticides (ug/L)			
	NA	ND	
Polychlorinated Biphenyls (ug/L)			
Total PCBs	0.09	ND	
Herbicides (ug/L)			
	NA	ND	
Metals (ug/L)		TOTAL	DISSOLVED
Iron	300	13200	8270
Magnesium	35,000	43000	47000
Manganese	300	3140	3400
Sodium	20000	707000	696000

Sample ID Sampling Date	NYSDEC - TOGS 1.1.1 AWQS	TMW-2 9/17/2012	
Volatile Organic Compounds (ug/L)			
Total VOCs	NA	ND	
Semi Volatile Organic Compounds (ug/L)			
Total SVOCs	NA	ND	
Pesticides (ug/L)			
	NA	ND	
Polychlorinated Biphenyls (ug/L)			
Total PCBs	0.09	ND	
Herbicides (ug/L)			
	NA	ND	
Metals (ug/L)		TOTAL	DISSOLVED
Iron	300	13300	13700
Manganese	300	3810	4680
Sodium	20000	187000	232000

LEGEND

B-1 – SOIL BORING/TEMPORARY MONITORING WELL LOCATION (IVI PHASE II ESI – JULY 2007)

SB-1/TMW-1 – SOIL BORING/TEMPORARY MONITORING WELL LOCATION (LANGAN – SEPTEMBER 2012)

SV-1 – SUB-SLAB SOIL VAPOR POINT LOCATION

NOTES:

1. BASE MAP TAKEN FROM ACSM LAND TITLE SURVEY DATED 23 JULY 2007 BY NY LAND SURVEYOR, PLLC.
2. IVI'S SOIL BORING/TEMPORARY MONITORING WELL LOCATIONS ARE APPROXIMATED.
3. SOIL SAMPLE RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) PART 375 UNRESTRICTED USE SOIL CLEANUP OJECTIVES (SCOs)
4. GROUNDWATER SAMPLE RESULTS ARE COMPARED TO NYSDEC DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (AWQS).
5. SUB-SLAB SOIL VAPOR SAMPLE RESULTS ARE COMPARED TO APPENDIX C OF THE FINAL NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) GUIDANCE DOCUMENT.
6. ONLY COMPOUNDS DETECTED ABOVE THEIR RESPECTIVE CRITERIA ARE SHOWN.
7. mg/kg=MILLIGRAMS PER KILOGRAM.
8. ug/L=MICROGRAMS PER LITER.
9. ug/m3=MICROGRAMS PER CUBIC METER.
10. NE=NO EXCEEDANCE
11. ND=NOT DETECTED
12. NR=NOT ANALYZED
13. J=THE CONCENTRATION IS AN APPROXIMATE VALUE.
14. D=THE CONCENTRATION IS FROM A DILUTION.

20 0 5 10 20
SCALE IN FEET

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NJ Certificate of Authorization No: 24GA27996400

SAMPLE LOCATION AND RESULTS MAP

359 WEST STREET

MANHATTAN NEW YORK

Project No.	Date	Scale	Fig. No.
170215701	09/24/2012	1" = 20'	1

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ATTACHMENT A

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Three Commercial Buildings
357 and 359 West Street and
156 Leroy Street
New York, New York 10014

IVI Project No. E7063663

Prepared for:
Apollo Real Estate Advisors, LP
New York, New York

Prepared by:

IVI ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS

IVI Environmental, Inc.
White Plains, New York

July 3, 2007

ENVIRONMENTAL, INC.
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105 Corporate Park Drive, Suite 115
White Plains, New York 10604
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July 3, 2007

Mr. Randy Torres
Apollo Real Estate Advisors, LP
1301 Avenue of the Americas
38th Floor
New York, New York
(212) 515-3252 (tel)
(212) 515-3282 (fax)
torres@apollorealestate.com

Re: Phase II Environmental Site Assessment
Three Commercial Buildings
357 and 359 West Street, and 156 Leroy Street
New York, New York 10014
IVI Project No.: E7063663

Dear Mr. Torres:

IVI Environmental, Inc. (IVI) is pleased to submit this Phase II Environmental Site Assessment ("Assessment") for the Three Commercial Buildings (the "Subject"), located at 357 and 359 West Street, and 156 Leroy Street; New York, New York. The property location is shown on the Site Location Map provided as Figure 1 in Appendix A.

The purpose of this Assessment was to address the Recognized Environmental Conditions (RECs) identified in IVI's *Phase I Environmental Site Assessment*, dated December 28, 2005. Specifically, the following RECs were identified in the Phase I ESA:

- **Historical and Current Use of the Subject**

  Some historical industrial and commercial site usages, particularly the machine shop, smelting works, freight station and auto repair shop, likely involved the usage and storage of significant quantities of hazardous materials such as petroleum products, organic solvents, heavy metals and acids. The Subject's former industrial usages may have negatively impacted the subsurface soil and groundwater. Moreover the current Village Car Center located at 359 West Street performs automotive oil changing activities, which generates waste motor oil. The waste oil tank, which is not provided with secondary containment, appeared to be in good condition, void of leaks. However, poor housekeeping

has resulting in significant oil spillage on the surface of the concrete slab floor beneath the tank and throughout the cellar. In addition, oily water was observed in a sump pump pit adjacent to the tank.

Scope of Work

The scope of this Assessment included the following activities:

1. Subsurface utilities mark out;
2. Geophysical survey to clear the proposed boring locations;
3. Advancement of four (4) borings;
4. Collection and field screening of soil samples for volatile organic compound (VOC) contamination with a photoionization detector (PID) using the head space analysis, and;
5. Laboratory analysis of four (4) soil and four (4) groundwater samples.

Field Activities

On June 27, 2007, IVI directed the advancement of four (4) borings, denoted as B-1 through B-4, on the Subject. Specifically, two (2) borings were located inside The Village Car Center (B-1 and B-2), and two (2) borings were located inside the abandoned pasta factory at 156 Leroy Street (B-3 and B-4). The borings were advanced using a track-mounted Geoprobe® 5400DT rig operated by TPI Environmental, Inc. (TPI). The specific boring locations are shown on the Boring Location Plan provided as Figure 2 in Appendix A.

Prior to the advancement of each boring, all down-hole drilling equipment was decontaminated by TPI in accordance with EPA protocols and good commercial and customary practice. IVI collected continuous soil samples at 4' intervals using macro-core samplers for each boring. Each borings was advanced approximately 5' below the soil/groundwater interface at a depth of 16' below ground surface (bgs).

Observed soil conditions consisted predominately of reddish brown coarse to fine sand and silt to an approximate depth of 8' bgs, which was underlain with brown fine sand and silt. Of note, IVI encountered fill material at boring location B-4 to an approximate depth of 3' bgs. The fill material was composed of concrete, brick, and coal fragments, and; cinders and ash. Groundwater was encountered at an approximate depth of 10' bgs. IVI inspected each sample for evidence of contamination and field screened the samples for VOC contamination using a PID. IVI did not observe visual or olfactory evidence of contamination. However, IVI detected elevated PID readings at each boring location at concentrations ranging between 0.2 parts per million (ppm) to 117 ppm. PID readings and surficial geology are provided on the boring logs provided in Appendix B of this report.

IVI retained a soil sample from each boring for laboratory analysis, from the interval which exhibited the greatest evidence of contamination. Specifically, the soil samples were collected at

the following depths: 4' bgs at boring B-1; 2' bgs at boring B-2; 9' bgs at boring B-3, and; at 2'; bgs at boring B-4. IVI collected groundwater samples at each of the four (4) boring locations using dedicated 1" PVC riser and screen, and polyethylene tubing. IVI transferred the collected samples to appropriate laboratory supplied containers, packed them on ice in a cooler, and sent them under proper chain-of-custody to York Analytical Laboratories (York). York analyzed the four (4) soil and four (4) groundwater samples for VOCs, semi-VOCs (base neutrals), and priority pollutant metals (metals) in accordance with EPA Methods 8260B, 8270C, and 6010, respectively. Of note, IVI filtered each groundwater sample for the priority pollutant metal analysis in the field.

Soil Analytical Results

Soil analytical results are summarized on Table 1 in Appendix C.

VOCs

The soil sample collected from boring B-4 identified the presence of naphthalene at a concentration of 0.56 milligrams per kilogram (mg/Kg), which was below its New York State Department of Environmental Conservation (NYSDEC) Technical Administrative Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objectives (RSCOs) of 13 mg/Kg. No other VOCs were detected above their respective laboratory method detection limit (MDL).

Semi-VOCs

The soil samples collected from borings B-1 and B-4 identified at least twelve or more semi-VOCs above their respective laboratory MDL. The soil samples collected at borings B-1 and B-4 identified the presence of benzo(a)anthracene, benzo(a)pyrene and chrysene at levels exceeding their NYSDEC TAGM #4046 RSCOs of 0.224 mg/Kg, 0.061 mg/Kg, and 0.4 mg/Kg. The soil sample collected at boring B-4 also identified the presence of benzo(b)- and benzo(k)fluoranthene at levels exceeding their NYSDEC TAGM #4046 RSCOs of 1.1 mg/Kg. The remaining semi-VOCs 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, carbozole, dibenzofuran, diethylphthalate, fluoranthene, fluorine, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and; pyrene were detected below their respective NYSDEC TAGM #4046 RSCOs.

Priority Pollutant Metals

The soil samples collected from each boring identified at least six or more metal compounds above their respective laboratory MDL. The following metals were detected above their respective NYSDEC TAGM #4046 RSCOs and/or Eastern USA Background Guidance Values: arsenic, chromium, copper, lead, nickel, and zinc. The highest concentration of metals exceeding the NYSDEC TAGM #4046 RSCOs were detected in the soil sample collected from Boring B-4.

Groundwater Analytical Results

Groundwater analytical results are summarized on Table 2 in Appendix C.

VOCs

No VOCs were detected in any of the groundwater water sample collected above their respective laboratory MDL.

Semi-VOCs

The groundwater sample collected from boring B-4 identified the presence of fluoranthene, phenanthrene, and pyrene at concentrations of 9 micrograms per kilogram (µg/L), which were below their NYSDEC Technical and Operational Guidance Series (TOGS) Class GA Water Quality Standards (WQS) of 50 µg/L.

Priority Pollutant Metals

The groundwater samples collected from each boring identified the presence of at least one or more metal compounds above their respective laboratory MDL. The following metals were detected below their respective NYSDEC TOGS Class GA WQS: antimony, arsenic, chromium copper, lead, nickel, selenium, and zinc.

The analytical report is provided in Appendix D.

Conclusions and Recommendations

Soil analytical results indicated the presence of five semi-VOCs and four metal compounds at concentrations exceeding their respective NYSDEC TAGM #4046 RSCOs and/or Eastern USA Background Guidance Values at each boring location. Groundwater analytical results did not identify any semi-VOCs or metals above their respective NYSDEC TOGS Class GA WQS. The compounds identified during this Assessment are not indicative of a spill, but are closely related to historic fill material (incineration waste). Soils exhibiting petroleum related contaminants in exceedance of the NYSDEC TAGM #4046 RSCOs that are excavated as part of the Subject's redevelopment will need to be properly disposed of during construction activities. The soils must be classified for waste characterization parameters according to disposal facility requirements, transported under appropriate regulatory permits, and disposed or recycled at a licensed facility permitted to accept the soil. IVI recommends further delineation of the impacted soils is warranted to minimize the amount of soil removed from the Subject.

Please do not hesitate to call if you have any comments or questions regarding this Assessment. Thank you for letting us be of assistance.

Sincerely,

IVI ENVIRONMENTAL, INC.

Jason A. Rankin
Project Manager

Reviewed By:

Steven Gustems
Assistant Department Manager

enc.: Appendix A: Figures
Appendix B: Boring Logs
Appendix C: Tables
Appendix D: Laboratory Report

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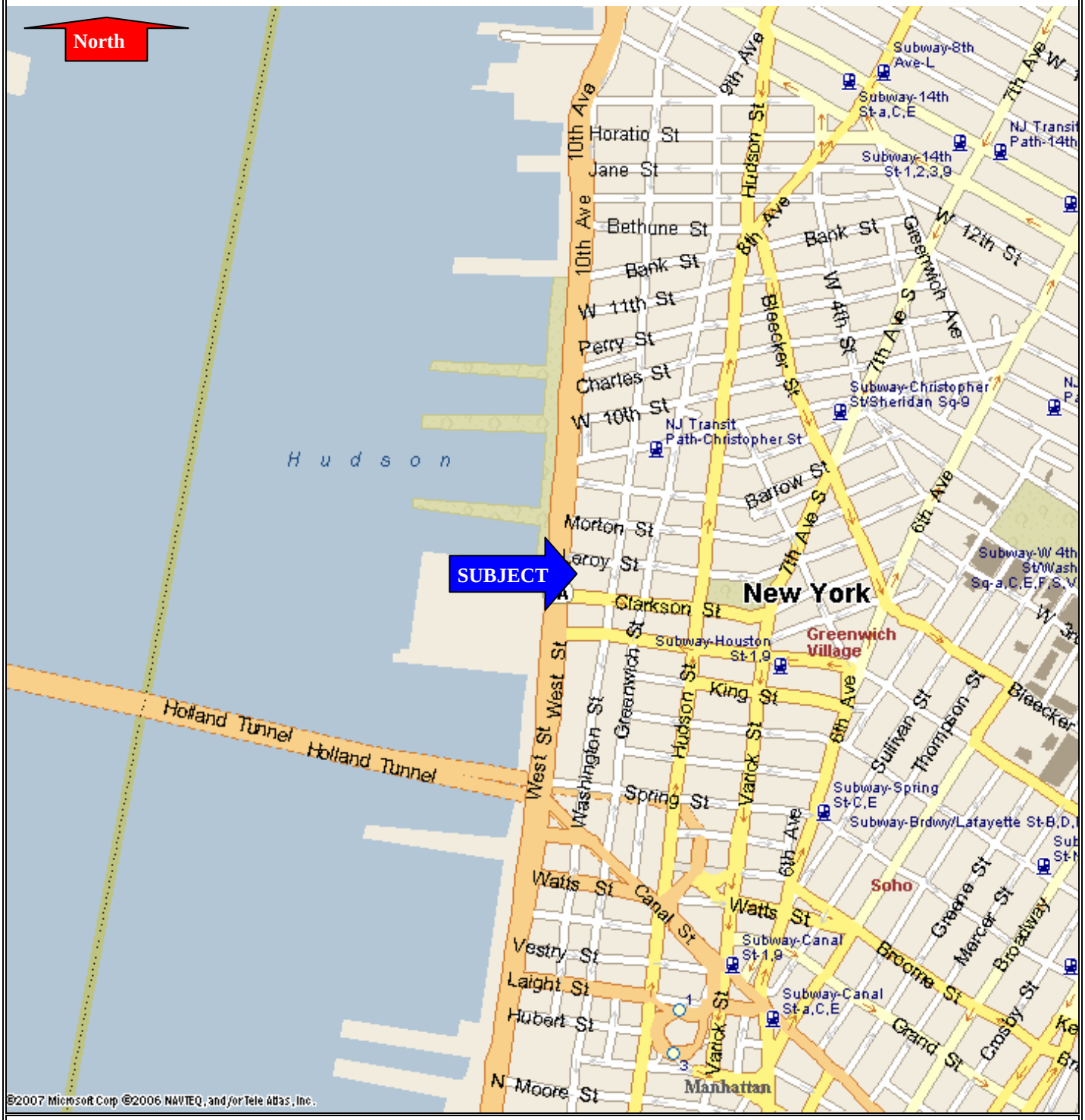

Figure 1 - Site Location Map

Project Site: Three Commercial Buildings
357 and 359 West Street
156 Leroy Street
New York, New York 10014

IVI Project No. E7063663

IVI Environmental Inc.
105 Corporate Park Drive, Suite 115
White Plains, New York 10604
(914) 694-9600 (tel)
(914) 694-2903 (fax)

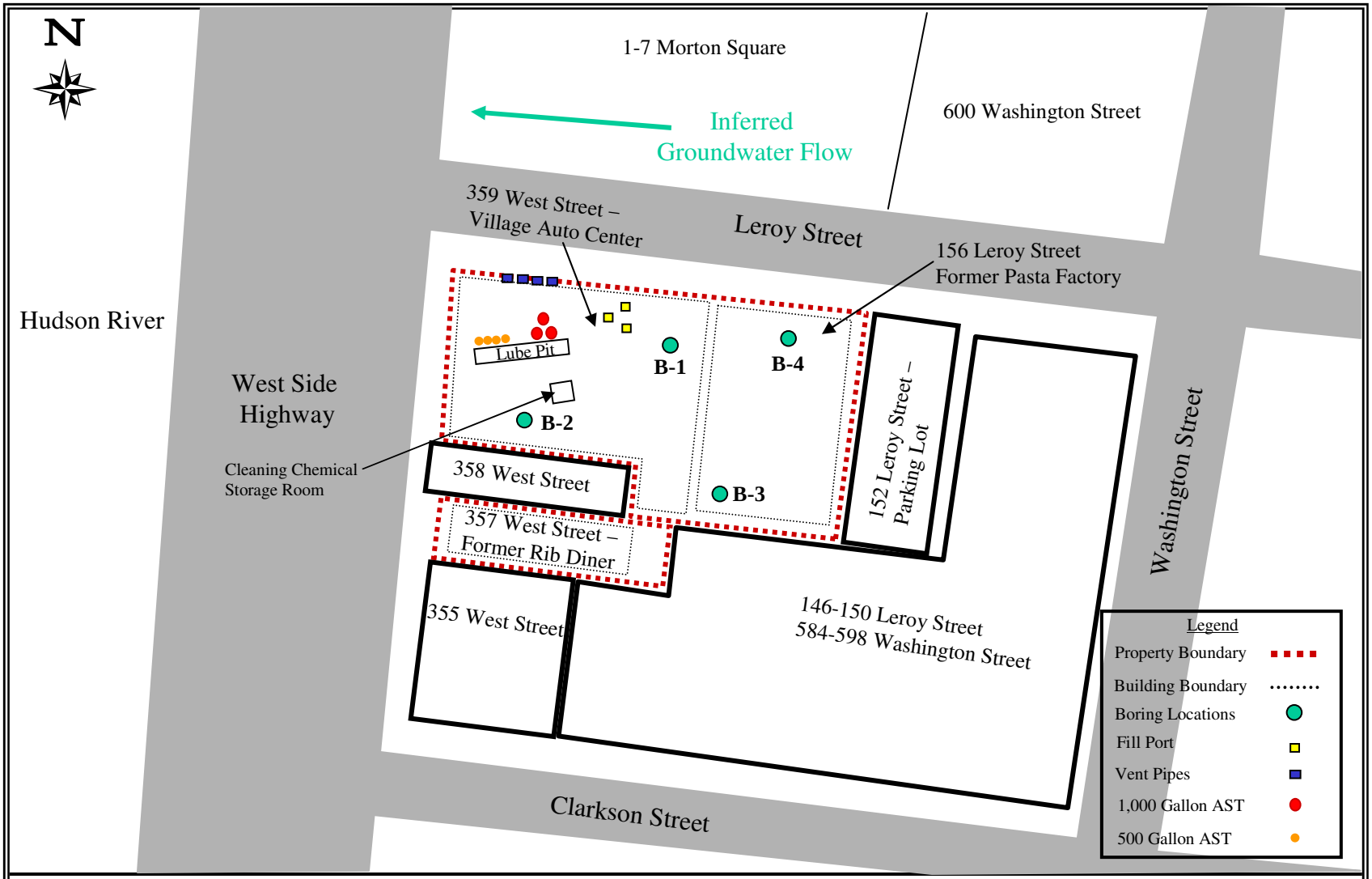

Figure 2 – Boring Location Plan

Three Commercial Buildings 357 & 359 West Street, and 156 Leroy Street New York, New York10014	IVI ENVIRONMETNAL, INC. 105 CORPORATE PARK DRIVE, SUITE 115 WHITE PLAINS, NY 10604 (914) 694-9600 (TEL) (914) 694-2903 (FAX)	Project No: E7063663 Boundaries are approximate. Not to scale.

IVI Environmental, Inc.

105 Corporate Park Drive
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Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-1

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/36	42.9	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				23.2	
4	B-1	4-8	48/42	117	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				41	
8		8-12	48/42	65.4	Brown fine SAND and Silt, moist
				3.1	Wet
12		12-16	48/18	1.9	Brown fine SAND and Silt, wet
				0.7	
				0.6	
					End of Boring at ± 16' bgs

IVI Environmental, Inc.

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Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-2

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/32	3.1	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
	B-2			7.8	
4		4-8	48/36	1.3	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				1.2	
8		8-12	48/36	1.3	Brown fine SAND and Silt, moist
				1.2	Wet
12		12-16	48/36	0.9	Brown fine SAND and Silt, wet
				1.1	
				0.7	
					End of Boring at ± 16' bgs

IVI Environmental, Inc.

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Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-3

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/6	0.3	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				0.2	
4		4-8	48/42	1.2	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				1.3	
8		8-12	48/42	1.5	Brown fine Sand and Silt, very moist
	B-3				
				1.6	Wet
12		12-16	48/36	1.2	Brown fine Sand and Silt, wet
				0.8	
				0.5	
					End of Boring at ± 16' bgs

IVI Environmental, Inc.

105 Corporate Park Drive
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(914) 694-2903 (fax)

Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-4

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/15	84	Dark brown coarse to fine SAND and Silt, some
					concrete, brick, and coal fragments, cinders and ash
	B-4			91	
4		4-8	48/12	25	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				19	
8		8-12	48/36	5.3	Brown fine SAND and Silt, very moist
				4.6	Wet
12		12-16	48/12	3.2	Brown fine SAND and Silt, wet
				1.7	
				0.9	
					End of Boring at ± 16' bgs

Table 1
Summary of Soil Sampling Analytical Results
Three Commercial Buildings
New York, New York
June 27, 2007

Analytical Parameter/Constituent	Eastern USA Background Guidance Values	NYSDEC TAGM #4046 RSCO	Sample Locations and Concentrations (mg/Kg)			
			B-1	B-2	B-3	B-4
VOCs						
Naphthalene	**N/A**	**13**	ND	ND	ND	0.56
SVOCs ~ B/N						
2-Methylnaphthalene	**N/A**	**36.4**	ND	ND	ND	1.8
Acenaphthene	**N/A**	**50**	ND	ND	ND	3.3
Acenaphthylene	**N/A**	**41**	ND	ND	ND	1.3
Anthracene	**N/A**	**50**	0.33	ND	ND	8.6
Benzo(a)anthracene	**N/A**	**0.224**	0.78	ND	ND	18
Benzo(a)pyrene	**N/A**	**0.061**	0.71	ND	ND	6.3
Benzo(b)fluoranthene	**N/A**	**1.1**	0.7	ND	ND	7.9
Benzo(g,h,i)perylene	**N/A**	**50**	0.19	ND	ND	ND
Benzo(k)fluoranthene	**N/A**	**1.1**	0.64	ND	ND	5
Carbazole	**N/A**	**N/A**	ND	ND	ND	3.1
Chrysene	**N/A**	**0.4**	0.88	ND	ND	17
Dibenzofuran	**N/A**	**6.2**	ND	ND	ND	2.9
Diethylphthalate	**N/A**	**7.1**	0.25	ND	ND	ND
Fluoranthene	**N/A**	**50**	2.4	ND	ND	44
Fluorene	**N/A**	**50**	ND	ND	ND	4.7
Indeno(1,2,3-cd)pyrene	**N/A**	**3.2**	0.26	ND	ND	1
Naphthalene	**N/A**	**13**	ND	ND	ND	3.3
Phenanthrene	**N/A**	**50**	2.0	ND	ND	44
Pyrene	**N/A**	**50**	2.0	ND	ND	40
PPMs						
Antimony	**N/A**	**SB**	60.3	ND	ND	66.5
Arsenic	**3-12**	**7.5 or SB**	5.64	5.16	3.71	8.17
Cadmium	**0.1-1**	**1 or SB**	ND	ND	ND	0.98
Chromium	**1.5**	**10 or SB**	9.62	10.3	10.8	16.1
Copper	**1-50**	**25 or SB**	75.2	23.7	15.9	152
Lead	**N/A**	**200-500**	749	29	7.51	1,100
Nickel	**0.5-25**	**13 or SB**	13.8	13.6	13.2	17.5
Silver	**N/A**	**SB**	ND	ND	ND	0.92
Zinc	**9-50**	**20 or SB**	300	28.9	34.3	560

Notes:

1. NYSDEC TAGM #4046 RSCO = New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum #4046 Recommended Soil Cleanup Criteria
2. Shaded cells indicate Eastern USA Background Guidance Values and/or NYSDEC TAGM #4046 RSCO exceedances
3. All concentrations reported in mg/Kg
4. VOCs = Volatile Organic Compounds
5. SVOCs ~ B/N = Semi-Volatile Organic Compounds ~ Base Neutrals
6. PPMs = Priority Pollutant Metals
7. N/A = Not Applicable
8. ND = Not detected
9. SB = Site Background
10. Only compounds detected in at least one sample are shown.

Table 2
Summary of Groundwater Sampling Analytical Results
Three Commercial Buildings
New York, New York
June 27, 2007

Analytical Parameter/Constituent	NYSDEC Water Quality Standards	Sample Locations and Concentrations (ug/L)			
		B-1	B-2	B-3	B-4
SVOCs ~ B/N					
Fluoranthene	**50**	ND	ND	ND	9
Phenanthrene	**50**	ND	ND	ND	9
Pyrene	**50**	ND	ND	ND	9
PPMs					
Antimony	**3**	ND	ND	ND	0.012
Arsenic	**25**	ND	0.020	ND	ND
Chromium	**50**	ND	0.006	ND	ND
Copper	**200**	0.006	ND	ND	0.009
Lead	**25**	0.004	ND	ND	0.003
Nickel	**100**	0.006	0.007	ND	0.012
Selenium	**10**	ND	0.010	ND	ND
Zinc	**2,000**	0.016	0.021	0.017	0.020

Notes:
1. NYSDEC Water Quality Standards = New York State Department of Environmental Conservation Division of Water Technical Operational Guidance Series (1.1.1)
2. All concentrations reported in micrograms per Liter (µg/L).
3. SVOCs ~ B/N = Semi-Volatile Organic Compounds ~ Base Neutrals
4. PPMs = Priority Pollutant Metals
5. ND = Not Detected
6. Only those compounds detected in at least one sample are shown.

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

IVI International, Inc.
105 Corporate Park Dr.
White Plains, NY 10604
Attention: Jason Rankin

Report Date: 6/29/2007
Re: Client Project ID: E7063663/West & Leroy Streets, New York, NY
York Project No.: 07060984

CT License No. PH-0723 New York License No. 10854

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 6/29/2007
Client Project ID: E7063663/West & Leroy Streets, New York, NY
York Project No.: 07060984

IVI International, Inc.
105 Corporate Park Dr.
White Plains, NY 10604
Attention: Jason Rankin

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/28/07. The project was identified as your project "E7063663/West & Leroy Streets, New York, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	10
1,1,1-Trichloroethane			Not detected	5.0	Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	10
1,1,2-Trichloroethane			Not detected	5.0	Not detected	10
1,1-Dichloroethane			Not detected	5.0	Not detected	10
1,1-Dichloroethylene			Not detected	5.0	Not detected	10
1,1-Dichloropropylene			Not detected	5.0	Not detected	10
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	10
1,2,3-Trichloropropane			Not detected	5.0	Not detected	10
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	10
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	10
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	10
1,2-Dibromoethane			Not detected	5.0	Not detected	10

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichlorobenzene			Not detected	5.0	Not detected	10
1,2-Dichloroethane			Not detected	5.0	Not detected	10
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	10
1,2-Dichloropropane			Not detected	5.0	Not detected	10
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	10
1,3-Dichlorobenzene			Not detected	5.0	Not detected	10
1,3-Dichloropropane			Not detected	5.0	Not detected	10
1,4-Dichlorobenzene			Not detected	5.0	Not detected	10
1-Chlorohexane			Not detected	5.0	Not detected	10
2,2-Dichloropropane			Not detected	5.0	Not detected	10
2-Chlorotoluene			Not detected	5.0	Not detected	10
4-Chlorotoluene			Not detected	5.0	Not detected	10
Benzene			Not detected	5.0	Not detected	10
Bromobenzene			Not detected	5.0	Not detected	10
Bromochloromethane			Not detected	5.0	Not detected	10
Bromodichloromethane			Not detected	5.0	Not detected	10
Bromoform			Not detected	5.0	Not detected	10
Bromomethane			Not detected	5.0	Not detected	10
Carbon tetrachloride			Not detected	5.0	Not detected	10
Chlorobenzene			Not detected	5.0	Not detected	10
Chloroethane			Not detected	5.0	Not detected	10
Chloroform			Not detected	5.0	Not detected	10
Chloromethane			Not detected	5.0	Not detected	10
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	10
Dibromochloromethane			Not detected	5.0	Not detected	10
Dibromomethane			Not detected	5.0	Not detected	10
Dichlorodifluoromethane			Not detected	5.0	Not detected	10
Ethylbenzene			Not detected	5.0	Not detected	10
Hexachlorobutadiene			Not detected	5.0	Not detected	10
Isopropylbenzene			Not detected	5.0	Not detected	10
Methylene chloride			Not detected	5.0	Not detected	10
MTBE			Not detected	5.0	Not detected	10
Naphthalene			Not detected	5.0	Not detected	10
n-Butylbenzene			Not detected	5.0	Not detected	10
n-Propylbenzene			Not detected	5.0	Not detected	10
o-Xylene			Not detected	5.0	Not detected	10
p- & m-Xylenes			Not detected	5.0	Not detected	10
p-Isopropyltoluene			Not detected	5.0	Not detected	10
sec-Butylbenzene			Not detected	5.0	Not detected	10
Styrene			Not detected	5.0	Not detected	10
tert-Butylbenzene			Not detected	5.0	Not detected	10
Tetrachloroethylene			Not detected	5.0	Not detected	10
Toluene			Not detected	5.0	Not detected	10
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	10
Trichloroethylene			Not detected	5.0	Not detected	10
Trichlorofluoromethane			Not detected	5.0	Not detected	10
Vinyl chloride			Not detected	5.0	Not detected	10
Base/Neutral Extractables	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	5.90	Not detected	5.90
1,2-Dichlorobenzene			Not detected	5.90	Not detected	5.90
1,3-Dichlorobenzene			Not detected	5.90	Not detected	5.90

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,4-Dichlorobenzene			Not detected	5.90	Not detected	5.90
2,4-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2,6-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2-Chloronaphthalene			Not detected	5.90	Not detected	5.90
2-Methylnaphthalene			Not detected	5.90	Not detected	5.90
2-Nitroaniline			Not detected	5.90	Not detected	5.90
3,3'-Dichlorobenzidine			Not detected	5.90	Not detected	5.90
3-Nitroaniline			Not detected	5.90	Not detected	5.90
4-Bromophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Chloroaniline			Not detected	5.90	Not detected	5.90
4-Chlorophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Nitroaniline			Not detected	5.90	Not detected	5.90
Acenaphthene			Not detected	5.90	Not detected	5.90
Acenaphthylene			Not detected	5.90	Not detected	5.90
Anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)pyrene			Not detected	5.90	Not detected	5.90
Benzo(b)fluoranthene			Not detected	5.90	Not detected	5.90
Benzo(g,h,i)perylene			Not detected	5.90	Not detected	5.90
Benzo(k)fluoranthene			Not detected	5.90	Not detected	5.90
Bis(2-chloroethoxy)methane			Not detected	5.90	Not detected	5.90
Bis(2-chloroethyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-chloroisopropyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-ethylhexyl)phthalate			Not detected	5.90	Not detected	5.90
Butyl benzyl phthalate			Not detected	5.90	Not detected	5.90
Carbazole			Not detected	5.90	Not detected	5.90
Chrysene			Not detected	5.90	Not detected	5.90
Dibenzo(a,h)anthracene			Not detected	5.90	Not detected	5.90
Dibenzofuran			Not detected	5.90	Not detected	5.90
Diethylphthalate			Not detected	5.90	Not detected	5.90
Dimethylphthalate			Not detected	5.90	Not detected	5.90
Di-n-butylphthalate			Not detected	5.90	Not detected	5.90
Di-n-octylphthalate			Not detected	5.90	Not detected	5.90
Fluoranthene			Not detected	5.90	Not detected	5.90
Fluorene			Not detected	5.90	Not detected	5.90
Hexachlorobenzene			Not detected	5.90	Not detected	5.90
Hexachlorobutadiene			Not detected	5.90	Not detected	5.90
Hexachlorocyclopentadiene			Not detected	5.90	Not detected	5.90
Hexachloroethane			Not detected	5.90	Not detected	5.90
Indeno(1,2,3-cd)pyrene			Not detected	5.90	Not detected	5.90
Isophorone			Not detected	5.90	Not detected	5.90
Naphthalene			Not detected	5.90	Not detected	5.90
Nitrobenzene			Not detected	5.90	Not detected	5.90
N-Nitrosodi-n-propylamine			Not detected	5.90	Not detected	5.90
N-Nitrosodiphenylamine			Not detected	5.90	Not detected	5.90
Phenanthrene			Not detected	5.90	Not detected	5.90
Pyrene			Not detected	5.90	Not detected	5.90
Metals, Priority Pollutant List	EPA SW846-6010	mg/L	---	---	---	---
Antimony			Not detected	0.006	Not detected	0.006
Arsenic			Not detected	0.004	0.020	0.004
Beryllium			Not detected	0.0001	Not detected	0.0001

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Cadmium			Not detected	0.003	Not detected	0.003
Chromium			Not detected	0.005	0.006	0.005
Copper			0.006	0.005	Not detected	0.005
Lead			0.004	0.003	Not detected	0.003
Nickel			0.006	0.005	0.007	0.005
Selenium			Not detected	0.005	0.010	0.005
Silver			Not detected	0.005	Not detected	0.005
Thallium			Not detected	0.005	Not detected	0.005
Zinc			0.016	0.005	0.021	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			B-3		B-4	
York Sample ID			07060984-03		07060984-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-03		07060984-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Base/Neutral Extractables	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	5.90	Not detected	5.90
1,2-Dichlorobenzene			Not detected	5.90	Not detected	5.90
1,3-Dichlorobenzene			Not detected	5.90	Not detected	5.90
1,4-Dichlorobenzene			Not detected	5.90	Not detected	5.90
2,4-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2,6-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2-Chloronaphthalene			Not detected	5.90	Not detected	5.90
2-Methylnaphthalene			Not detected	5.90	Not detected	5.90
2-Nitroaniline			Not detected	5.90	Not detected	5.90
3,3'-Dichlorobenzidine			Not detected	5.90	Not detected	5.90
3-Nitroaniline			Not detected	5.90	Not detected	5.90
4-Bromophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Chloroaniline			Not detected	5.90	Not detected	5.90
4-Chlorophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Nitroaniline			Not detected	5.90	Not detected	5.90
Acenaphthene			Not detected	5.90	Not detected	5.90
Acenaphthylene			Not detected	5.90	Not detected	5.90
Anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)pyrene			Not detected	5.90	Not detected	5.90
Benzo(b)fluoranthene			Not detected	5.90	Not detected	5.90
Benzo(g,h,i)perylene			Not detected	5.90	Not detected	5.90

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-03		07060984-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo(k)fluoranthene			Not detected	5.90	Not detected	5.90
Bis(2-chloroethoxy)methane			Not detected	5.90	Not detected	5.90
Bis(2-chloroethyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-chloroisopropyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-ethylhexyl)phthalate			Not detected	5.90	Not detected	5.90
Butyl benzyl phthalate			Not detected	5.90	Not detected	5.90
Carbazole			Not detected	5.90	Not detected	5.90
Chrysene			Not detected	5.90	Not detected	5.90
Dibenzo(a,h)anthracene			Not detected	5.90	Not detected	5.90
Dibenzofuran			Not detected	5.90	Not detected	5.90
Diethylphthalate			Not detected	5.90	Not detected	5.90
Dimethylphthalate			Not detected	5.90	Not detected	5.90
Di-n-butylphthalate			Not detected	5.90	Not detected	5.90
Di-n-octylphthalate			Not detected	5.90	Not detected	5.90
Fluoranthene			Not detected	5.90	9	5.90
Fluorene			Not detected	5.90	Not detected	5.90
Hexachlorobenzene			Not detected	5.90	Not detected	5.90
Hexachlorobutadiene			Not detected	5.90	Not detected	5.90
Hexachlorocyclopentadiene			Not detected	5.90	Not detected	5.90
Hexachloroethane			Not detected	5.90	Not detected	5.90
Indeno(1,2,3-cd)pyrene			Not detected	5.90	Not detected	5.90
Isophorone			Not detected	5.90	Not detected	5.90
Naphthalene			Not detected	5.90	Not detected	5.90
Nitrobenzene			Not detected	5.90	Not detected	5.90
N-Nitrosodi-n-propylamine			Not detected	5.90	Not detected	5.90
N-Nitrosodiphenylamine			Not detected	5.90	Not detected	5.90
Phenanthrene			Not detected	5.90	9	5.90
Pyrene			Not detected	5.90	9	5.90
Metals, Priority Pollutant List	EPA SW846-6010	mg/L	---	---	---	---
Antimony			Not detected	0.006	0.012	0.006
Arsenic			Not detected	0.004	Not detected	0.004
Beryllium			Not detected	0.0001	Not detected	0.0001
Cadmium			Not detected	0.003	Not detected	0.003
Chromium			Not detected	0.005	Not detected	0.005
Copper			Not detected	0.005	0.009	0.005
Lead			Not detected	0.003	0.003	0.003
Nickel			Not detected	0.005	0.012	0.005
Selenium			Not detected	0.005	Not detected	0.005
Silver			Not detected	0.005	Not detected	0.005
Thallium			Not detected	0.005	Not detected	0.005
Zinc			0.017	0.005	0.020	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	10

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,1,1-Trichloroethane			Not detected	10	Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	10
1,1,2-Trichloroethane			Not detected	10	Not detected	10
1,1-Dichloroethane			Not detected	10	Not detected	10
1,1-Dichloroethylene			Not detected	10	Not detected	10
1,1-Dichloropropylene			Not detected	10	Not detected	10
1,2,3-Trichlorobenzene			Not detected	10	Not detected	10
1,2,3-Trichloropropane			Not detected	10	Not detected	10
1,2,3-Trimethylbenzene			Not detected	10	Not detected	10
1,2,4-Trichlorobenzene			Not detected	10	Not detected	10
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	10
1,2-Dibromoethane			Not detected	10	Not detected	10
1,2-Dichlorobenzene			Not detected	10	Not detected	10
1,2-Dichloroethane			Not detected	10	Not detected	10
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	10
1,2-Dichloropropane			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
1,3-Dichlorobenzene			Not detected	10	Not detected	10
1,3-Dichloropropane			Not detected	10	Not detected	10
1,4-Dichlorobenzene			Not detected	10	Not detected	10
1-Chlorohexane			Not detected	10	Not detected	10
2,2-Dichloropropane			Not detected	10	Not detected	10
2-Chlorotoluene			Not detected	10	Not detected	10
4-Chlorotoluene			Not detected	10	Not detected	10
Benzene			Not detected	10	Not detected	10
Bromobenzene			Not detected	10	Not detected	10
Bromochloromethane			Not detected	10	Not detected	10
Bromodichloromethane			Not detected	10	Not detected	10
Bromoform			Not detected	10	Not detected	10
Bromomethane			Not detected	10	Not detected	10
Carbon tetrachloride			Not detected	10	Not detected	10
Chlorobenzene			Not detected	10	Not detected	10
Chloroethane			Not detected	10	Not detected	10
Chloroform			Not detected	10	Not detected	10
Chloromethane			Not detected	10	Not detected	10
cis-1,3-Dichloropropylene			Not detected	10	Not detected	10
Dibromochloromethane			Not detected	10	Not detected	10
Dibromomethane			Not detected	10	Not detected	10
Dichlorodifluoromethane			Not detected	10	Not detected	10
Ethylbenzene			Not detected	10	Not detected	10
Hexachlorobutadiene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methylene chloride			Not detected	10	Not detected	10
MTBE			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m-Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
sec-Butylbenzene			Not detected	10	Not detected	10
Styrene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Tetrachloroethylene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10
trans-1,3-Dichloropropylene			Not detected	10	Not detected	10
Trichloroethylene			Not detected	10	Not detected	10
Trichlorofluoromethane			Not detected	10	Not detected	10
Vinyl chloride			Not detected	10	Not detected	10
Base/Neutral Extractables	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			330	165	Not detected	165
Benzo(a)anthracene			780	165	Not detected	165
Benzo(a)pyrene			710	165	Not detected	165
Benzo(b)fluoranthene			700	165	Not detected	165
Benzo(g,h,i)perylene			190	165	Not detected	165
Benzo(k)fluoranthene			640	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			880	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			250	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			2400	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			260	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			2000	165	Not detected	165
Pyrene			2000	165	Not detected	165
Metals, Priority Pollutant List	EPA SW846-6010	mg/kG	---	---	---	---
Antimony			60.3	0.80	Not detected	0.80
Arsenic			5.64	1.00	5.16	1.00
Beryllium			Not detected	0.10	Not detected	0.10
Cadmium			Not detected	0.30	Not detected	0.30
Chromium			9.62	0.50	10.3	0.50
Copper			75.2	0.60	23.7	0.60
Lead			749	0.30	29.0	0.30
Nickel			13.8	0.90	13.6	0.90
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	0.30	Not detected	0.30
Thallium			Not detected	1.00	Not detected	1.00
Zinc			300	0.60	28.9	0.60
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	25
1,1,1-Trichloroethane			Not detected	10	Not detected	25
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	25
1,1,2-Trichloroethane			Not detected	10	Not detected	25
1,1-Dichloroethane			Not detected	10	Not detected	25
1,1-Dichloroethylene			Not detected	10	Not detected	25
1,1-Dichloropropylene			Not detected	10	Not detected	25
1,2,3-Trichlorobenzene			Not detected	10	Not detected	25
1,2,3-Trichloropropane			Not detected	10	Not detected	25
1,2,3-Trimethylbenzene			Not detected	10	Not detected	25
1,2,4-Trichlorobenzene			Not detected	10	Not detected	25
1,2,4-Trimethylbenzene			Not detected	10	Not detected	25
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	25
1,2-Dibromoethane			Not detected	10	Not detected	25
1,2-Dichlorobenzene			Not detected	10	Not detected	25
1,2-Dichloroethane			Not detected	10	Not detected	25
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	25
1,2-Dichloropropane			Not detected	10	Not detected	25
1,3,5-Trimethylbenzene			Not detected	10	Not detected	25
1,3-Dichlorobenzene			Not detected	10	Not detected	25

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3-Dichloropropane			Not detected	10	Not detected	25
1,4-Dichlorobenzene			Not detected	10	Not detected	25
1-Chlorohexane			Not detected	10	Not detected	25
2,2-Dichloropropane			Not detected	10	Not detected	25
2-Chlorotoluene			Not detected	10	Not detected	25
4-Chlorotoluene			Not detected	10	Not detected	25
Benzene			Not detected	10	Not detected	25
Bromobenzene			Not detected	10	Not detected	25
Bromochloromethane			Not detected	10	Not detected	25
Bromodichloromethane			Not detected	10	Not detected	25
Bromoform			Not detected	10	Not detected	25
Bromomethane			Not detected	10	Not detected	25
Carbon tetrachloride			Not detected	10	Not detected	25
Chlorobenzene			Not detected	10	Not detected	25
Chloroethane			Not detected	10	Not detected	25
Chloroform			Not detected	10	Not detected	25
Chloromethane			Not detected	10	Not detected	25
cis-1,3-Dichloropropylene			Not detected	10	Not detected	25
Dibromochloromethane			Not detected	10	Not detected	25
Dibromomethane			Not detected	10	Not detected	25
Dichlorodifluoromethane			Not detected	10	Not detected	25
Ethylbenzene			Not detected	10	Not detected	25
Hexachlorobutadiene			Not detected	10	Not detected	25
Isopropylbenzene			Not detected	10	Not detected	25
Methylene chloride			Not detected	10	Not detected	25
MTBE			Not detected	10	Not detected	25
Naphthalene			Not detected	10	560	25
n-Butylbenzene			Not detected	10	Not detected	25
n-Propylbenzene			Not detected	10	Not detected	25
o-Xylene			Not detected	10	Not detected	25
p- & m-Xylenes			Not detected	10	Not detected	25
p-Isopropyltoluene			Not detected	10	Not detected	25
sec-Butylbenzene			Not detected	10	Not detected	25
Styrene			Not detected	10	Not detected	25
tert-Butylbenzene			Not detected	10	Not detected	25
Tetrachloroethylene			Not detected	10	Not detected	25
Toluene			Not detected	10	Not detected	25
trans-1,3-Dichloropropylene			Not detected	10	Not detected	25
Trichloroethylene			Not detected	10	Not detected	25
Trichlorofluoromethane			Not detected	10	Not detected	25
Vinyl chloride			Not detected	10	Not detected	25
Base/Neutral Extractables	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	830
1,2-Dichlorobenzene			Not detected	165	Not detected	830
1,3-Dichlorobenzene			Not detected	165	Not detected	830
1,4-Dichlorobenzene			Not detected	165	Not detected	830
2,4-Dinitrotoluene			Not detected	165	Not detected	830
2,6-Dinitrotoluene			Not detected	165	Not detected	830
2-Chloronaphthalene			Not detected	165	Not detected	830
2-Methylnaphthalene			Not detected	165	1800	830
2-Nitroaniline			Not detected	165	Not detected	830

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
3,3'-Dichlorobenzidine			Not detected	165	Not detected	830
3-Nitroaniline			Not detected	165	Not detected	830
4-Bromophenyl phenyl ether			Not detected	165	Not detected	830
4-Chloroaniline			Not detected	165	Not detected	830
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	830
4-Nitroaniline			Not detected	165	Not detected	830
Acenaphthene			Not detected	165	3300	830
Acenaphthylene			Not detected	165	1300	830
Anthracene			Not detected	165	8600	830
Benzo(a)anthracene			Not detected	165	18000	830
Benzo(a)pyrene			Not detected	165	6300	830
Benzo(b)fluoranthene			Not detected	165	7900	830
Benzo(g,h,i)perylene			Not detected	165	Not detected	830
Benzo(k)fluoranthene			Not detected	165	5000	830
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	830
Bis(2-chloroethyl)ether			Not detected	165	Not detected	830
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	830
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	830
Butyl benzyl phthalate			Not detected	165	Not detected	830
Carbazole			Not detected	165	3100	830
Chrysene			Not detected	165	17000	830
Dibenzo(a,h)anthracene			Not detected	165	Not detected	830
Dibenzofuran			Not detected	165	2900	830
Diethylphthalate			Not detected	165	Not detected	830
Dimethylphthalate			Not detected	165	Not detected	830
Di-n-butylphthalate			Not detected	165	Not detected	830
Di-n-octylphthalate			Not detected	165	Not detected	830
Fluoranthene			Not detected	165	44000	830
Fluorene			Not detected	165	4700	830
Hexachlorobenzene			Not detected	165	Not detected	830
Hexachlorobutadiene			Not detected	165	Not detected	830
Hexachlorocyclopentadiene			Not detected	165	Not detected	830
Hexachloroethane			Not detected	165	Not detected	830
Indeno(1,2,3-cd)pyrene			Not detected	165	1000	830
Isophorone			Not detected	165	Not detected	830
Naphthalene			Not detected	165	3300	830
Nitrobenzene			Not detected	165	Not detected	830
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	830
N-Nitrosodiphenylamine			Not detected	165	Not detected	830
Phenanthrene			Not detected	165	44000	830
Pyrene			Not detected	165	40000	830
Metals, Priority Pollutant List	EPA SW846-6010	mg/kG	---	---	---	---
Antimony			Not detected	0.80	66.5	0.80
Arsenic			3.71	1.00	8.17	1.00
Beryllium			Not detected	0.10	Not detected	0.10
Cadmium			Not detected	0.30	0.98	0.30
Chromium			10.8	0.50	16.1	0.50

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper			15.9	0.60	152	0.60
Lead			7.51	0.30	1100	0.30
Nickel			13.2	0.90	17.5	0.90
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	0.30	0.92	0.30
Thallium			Not detected	1.00	Not detected	1.00
Zinc			34.3	0.60	560	0.60
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 07060984

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: for Robert Q. Bradley
Managing Director

Date: 6/29/2007

YORK

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Base Neutral fraction QC*** **Batch Name:** $BNW-23292 **QA Sample #:** AD37926

Unit of Measure: ug/L **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,4-Dichlorobenzene	40	Not detected	Not detected	100	44	**44.0**	36	**36.000**	**20.0**
2,4-Dinitrotoluene	42	Not detected	Not detected	100	57	**57.0**	51	**51.000**	**11.1**
Acenapthene	60	Not detected	Not detected	100	64	**64.0**	56	**56.000**	**13.3**
N-Nitroso-di-n-propy	42	Not detected	Not detected	100	62	**62.0**	53	**53.000**	**15.7**
Pyrene	71	Not detected	Not detected	100	74	**74.0**	67	**67.000**	**9.9**
1,2,4-Trichlorobenze	56	Not detected	Not detected	100	60	**60.0**	51	**51.000**	**16.2**

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Metals, Target Analyte List(TAL)*** **Batch Name:** $MTAQ-23293 **QA Sample #:** AD37926

Unit of Measure: ppm **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
Antimony	97.7	Not detected	Not detected	0.250	0.239	**95.600**	Not detected		
Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Chromium	100	Not detected	Not detected	0.200	0.199	**99.500**	Not detected		
Calcium	Not detected	Not detected	Not detected		Not detected		Not detected		
Cadmium	95.4	Not detected	Not detected	0.050	0.046	**92.000**	Not detected		
Beryllium	97.5	Not detected	Not detected	0.050	0.049	**98.000**	Not detected		
Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Arsenic	91.1	Not detected	Not detected	2.00	2.06	**103.000**	Not detected		
Lead	103	0.004	Not detected	0.500	0.475	**94.200**	0.004		**0.000**
Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Barium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Sodium	Not detected	Not detected	Not detected		Not detected		Not detected		
Zinc	101	0.016	Not detected	0.500	0.520	**100.800**	0.016		**0.000**
Copper	102	0.006	Not detected	0.250	0.264	**103.200**	0.005		**18.182**
Thallium	105	Not detected	Not detected	2.00	1.80	**90.000**	Not detected		
Silver	103	Not detected	Not detected	0.050	0.054	**108.000**	Not detected		
Selenium	94.6	Not detected	Not detected	2.00	2.09	**104.500**	Not detected		
Potassium	Not detected	Not detected	Not detected		Not detected		Not detected		
Nickel	100	0.006	Not detected	0.500	0.508	**100.400**	0.007		**15.385**
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected		
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***VOA QC WATERS*** **Batch Name:** $VOAW-23296 **QA Sample #:** AD37926

Unit of Measure: ug/L **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,1-Dichloroethylene	92	Not detected	Not detected	50	44	**88.0**	43	**86.0**	**2.3**
Benzene	108	Not detected	Not detected	50	50	**100.0**	49	**98.0**	**2.0**
Chlorobenzene	100	Not detected	Not detected	50	47	**94.0**	50	**100.0**	**6.2**
Toluene	110	Not detected	Not detected	50	54	**108.0**	53	**106.0**	**1.9**
Trichloroethylene	112	Not detected	Not detected	50	52	**104.0**	57	**114.0**	**9.2**

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Mercury*** **Batch Name:** HG_W-23298 **QA Sample #:** AD37926

Unit of Measure: mg/L **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
HG_W	103.2	Not detected	Not detected	0.0030	0.0031	**108.2**	Not detected		**0**

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Base Neutral fraction QC*** **Batch Name:** $BNS-23291 **QA Sample #:** AD37930

Unit of Measure: ug/kg **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,4-Dichlorobenzene	44	Not detected	Not detected	100	28	**28.0**	31	**31.000**	**10.2**
2,4-Dinitrotoluene	51	Not detected	Not detected	100	55	**55.0**	55	**55.000**	**0.0**
Acenapthene	63	Not detected	Not detected	100	49	**49.0**	59	**59.000**	**18.5**
N-Nitroso-di-n-propy	56	Not detected	Not detected	100	49	**49.0**	60	**60.000**	**20.2**
Pyrene	73	Not detected	Not detected	100	54	**54.0**	70	**70.000**	**25.8**
1,2,4-Trichlorobenze	56	Not detected	Not detected	100	40	**40.0**	43	**43.000**	**7.2**

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Metals, Target Analyte List(TAL)*** **Batch Name:** $MTS-23294 **QA Sample #:** AD37930

Unit of Measure: ppm **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
Antimony	140	60.3	Not detected	25.0	82.5	**88.80**	60.5		**0.33**
Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Chromium	102	9.62	Not detected	20.0	29.3	**98.400**	9.66		**0.415**
Calcium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Cadmium	100	0	Not detected	5.0	4.88	**97.600**	Not detected		**Not detected**
Beryllium	102	0	Not detected	5.0	4.78	**95.600**	Not detected		**Not detected**
Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Arsenic	99.3	5.64	Not detected	200	199	**96.68**	5.28		**6.59**
Lead	101	749	Not detected	50.0	805	**112.00**	747		**0.27**
Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Barium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Sodium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Zinc	102	300	Not detected	50.0	352	**104.00**	299		**0.33**
Copper	113	75.2	Not detected	25.0	103	**111.20**	74.7		**0.67**
Thallium	95.4	0	Not detected	200	190	**95.00**	Not detected		**Not detected**
Silver	104	0	Not detected	5.0	5.05	**101.00**	Not detected		**Not detected**
Selenium	105	0	Not detected	200	196	**98.00**	Not detected		**Not detected**
Potassium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Nickel	112	13.8	Not detected	50.0	63.7	**99.80**	13.7		**0.73**
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Magnesium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**

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QA/QC Summary Report

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***VOA QC Soils*** **Batch Name:** $VOAS-23295 **QA Sample #:** AD37930

Unit of Measure: ug/kg **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,1-Dichloroethylene	92	Not detected	Not detected	50	44	**88.0**	43	**86.0**	**2.3**
Benzene	108	Not detected	Not detected	50	50	**100.0**	49	**98.0**	**2.0**
Chlorobenzene	100	Not detected	Not detected	50	47	**94.0**	50	**100.0**	**6.2**
Toluene	110	Not detected	Not detected	50	54	**108.0**	53	**106.0**	**1.9**
Trichloroethylene	112	Not detected	Not detected	50	52	**104.0**	57	**114.0**	**9.2**

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Mercury*** **Batch Name:** HG_S-23297 **QA Sample #:** AD37930

Unit of Measure: mg/kG **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
HG_S	90.0	Not detected	Not detected	1.50	1.37	**94.4**	Not detected		**0.9**

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE
STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

07060984

Company Name	Report To:	Invoice To:	Project ID/No.	
IVI ENVIRONMENTAL, INC.	JASON A. RANKIN	IVI	E70631663/ WEST & LEROY STREETS, NEW YORK N.Y.	Samples Collected By (Signature): Jason A. Rankin Name (Printed): JASON A. RANKIN

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
1	B-1	06/27/07	X	X			VOCs, BN, and PPM	1x4oz UNPRES. JAR 1x8oz " " 2x40mL HCl VIAL
2	B-2							1x1L UNPRES AMBER. 1x250mL HNO_3 PLASTIC BOTTLE
3	B-3							
4	B-4							

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Jason A. Rankin Sample Relinquished by	06/27/07 @ 1230 Date/Time	Sample Received by	Date/Time
Bottles Received in Field by	Date/Time	FED-EX Sample Relinquished by	06/27/07 @ 800 Date/Time	6/28 Sample Received in LAB by	9:40AM Date/Time

Comments/Special Instructions
250mL PLASTIC BOTTLE – PPM FILTERED IN THE FIELD

4.0C

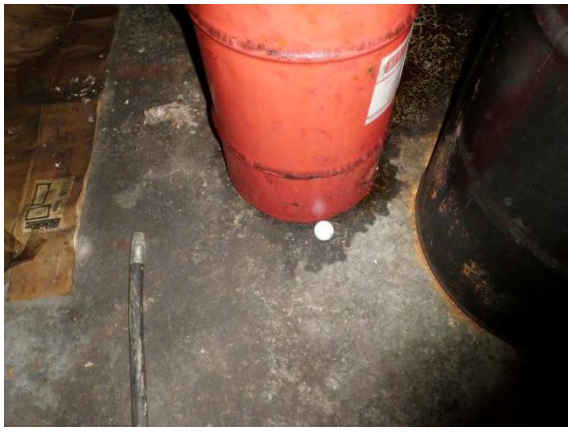
Turn-Around Time
___ Standard ✓ RUSH(define) 24 hrs.

ATTACHMENT B

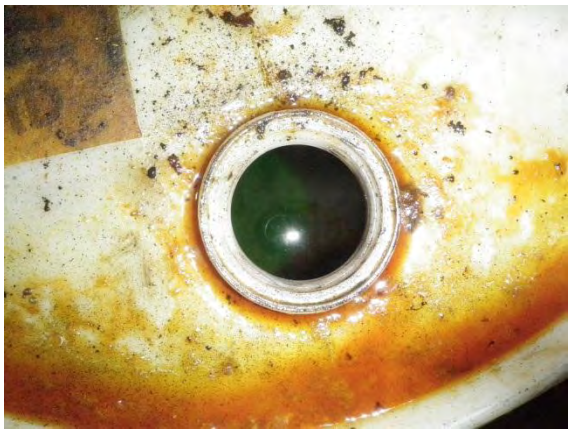
Attachment B – Site Photographs
Environmental Site Investigation Report
359 West Street
New York, NY
Langan Project No. 170215701

Photo 1a/1b: Two of four Lube Cube® ASTs observed in cellar/oil change pit.

Photos 2a/2b: View of signage observed on AST and unknown liquid in AST.



Photos 3a/3b: View of 30-gallon drum with oily liquid and observed leakage/staining at base.



Photos 4a/4b: View of 55-gallon plastic drums observed in cellar with unknown liquid.

Photo 5: View of drain or fill port observed in floor with oil and staining around edge.

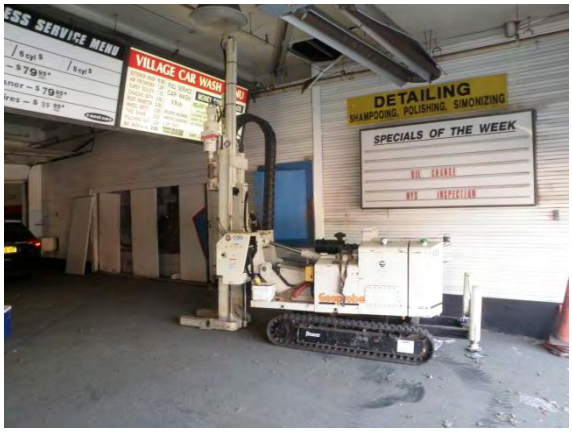


Photo 6a/6b: View of ADT advancing core barrel at boring location SB-1

Photo 7a/7b: View of typical soil sample and Langan screening for VOCs with a PID.

Photo 8a/8b: View of temporary monitoring well TMW-1 and groundwater sample collection.

Photo 9: View of ADT installing soil vapor sample point SV-1 with a hammer drill.

Photos 10a/10b: View of sub-slab vapor point and QA/QC measures.

Photo 11: View of sub-slab soil vapor sample collection.

Photo 12: View of boring SB-1 backfilled to grade and patched with concrete.

ATTACHMENT C

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING LB-1 / TMW-1 **SHEET** 1 **OF** 1

PROJECT	358 WEST STREET	PROJECT NO.	170215701
LOCATION	MANHATTAN, NEW YORK	ELEVATION AND DATUM	NA
DRILLING AGENCY	Aquifer Drilling & Testing (ADT)	DATE STARTED / DATE FINISHED	9/17/12 / 9/17/12
DRILLING EQUIPMENT	GEOPROBE 6610 DT	COMPLETION DEPTH / ROCK DEPTH	15' / NA
SIZE AND TYPE OF BIT	3" Core Barrel	NO. SAMPLES 3 DIST. / UNDIST. 3	CORE
CASING	—	WATER LEVEL: FIRST / COMPL.	24 HR.
CASING HAMMER — WEIGHT	DROP	FOREMAN	A. Larkin
SAMPLER	2" x 5' Macro Core	INSPECTOR	S. Lowes
SAMPLER HAMMER — WEIGHT	DROP		

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
0-11" Concrete 11-16" Brown - C-F Sand with some small Gravel, tr. Brick, Dry Redrilled @ 1230 26" Recovered 0-8" Concrete 8-12" Black - C-F Sand	1 2 3 4	LB-1 (0-5)	2"x5' MC	16"	PID 212 320 4,117 9,999 9,999	No Stains No Odor LB-1 (3-5) Collected @ 1230
0-12" - Brown - C-F Sand with some small gravel, (Dry) 12"-30" - Light brown, fine sand with some silty sand mixture tr, small gravel wet @ 26" 30-39" - Grey, fine, silty sand	5 6 7 8 9	LB-1 (5-10)	2"x5' MC	39"	9,999 85 6.2 3.1 1.9	No Stains No odor Gas @ ~ 9.5' bgs - measured with IP LB-1 (7-9) @ 12:15 collected
0-23" - Black & grey silt / silty sand mixture (wet)	10 11 12 13 14	LB-1 (10-15)	2"x5' MC	23"	0.7 0.1 0.1 0.1	No Stains No odor

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING LB-2 / TMW-2 **SHEET** 1 **OF** 2

PROJECT	358 West Street	PROJECT NO.	170215701
LOCATION	Manhattan, New York	ELEVATION AND DATUM	N/A
DRILLING AGENCY	Aquifer Drilling & Testing (ADT)	DATE STARTED 9/17/12	DATE FINISHED 9/17/12
DRILLING EQUIPMENT	Geoprobe 6610 DT	COMPLETION DEPTH 20'	ROCK DEPTH NA
SIZE AND TYPE OF BIT	3" Core barrel	NO. SAMPLES 4 DIST.	UNDIST. 4 CORE
CASING	SS	WATER LEVEL FIRST	COMPL. 24 HR.
CASING HAMMER NA WEIGHT	DROP	FOREMAN	Andrea Larkin
SAMPLER	2" x 5' Macro Core	INSPECTOR	S. Lowes
SAMPLER HAMMER NA WEIGHT	DROP		

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLOW/in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
0-6" Concrete 6-25" - Brown, C-F SAND with small gravel trace Brick	1 2 3 4 5	LB-2 (0-5)	MC	85"	PID 45.9 117 320 444 9,999	No stains No odors LB-2 (3-5) @ 1400
0-34" - Brown, C-F SAND with some small gravel, tr silty sands	6 7 8 9 10	LB-2 (5-10)	MC	39"	120 78.4 64.6 48.1	No stains No odor
0-9" - Brown, C-F SAND with some small gravel (Dry) 9-32" - Light Brown, fine sand with some silty sand mixture (wet) 32-43 Grey, ~~gravelly~~ Coarse Sand with tr silt, sand mixture	11 12 13 14	LB-2 (10-15)	MC	43"	107.2 1.7 0.1 0.1 0.1	No stains No odors GW @ ~~LB5~~ 13.1' bgs LB-2 (10-12) 1415

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

JOB NO. 170215701

DATE 9/17/12

LOG OF BORING NO. LB-2

SHEET 2 OF 2

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	0-26" - Grey, coarse sand with some silty sand mixture					PID	No stains
		15				0.1	No odor
		16	LB-2 (15-20)			0.1	
		17		MC	26"	0.1	
		18		2"x5'		0.1	
		19				0.1	
		20					

086100

ATTACHMENT D

GROUNDWATER PARAMETERS RECORD
ENVIRONMENTAL SITE INVESTIGATION REPORT
359 WEST STREET, NEW YORK, NY
LANGAN PROJECT NO. 170215701

GROUNDWATER PARAMETERS RECORD							
Location	**Date**	**pH**	**CONDUCTIVITY**	**TURBIDITY**	**DISSOVLED OXYGEN**	**TEMP.**	**OXYDATION REDUCTION POTENTIAL**
	UNITS	pH *	ms/cm	NTUs	ppm	°C	mV
TMW-1	9/17/2012	6.79	2.54	1000	12.49	20.63	72
TMW-2	9/17/2012	6.75	2.72	681	4.83	20.8	6

ATTACHMENT E

Soil Vapor Sample Log

Site: 359 WEST STREET
Project No. 170215701

Location: MANHATTAN, NY
Sampler: SPL

Sample ID	Date	Regulator No.	Summa Canister No.	Start Time	Start Pressure (mm Hg)	Stop Time	Stop Pressure (mm Hg)	Post-Purge Helium Reading (In chamber/At sample tube)
SV-1	9/17/12	10613	10409	1342	-30	1542	-3	0 0ppm

ATTACHMENT F

CHEMTECH

DATA FOR

VOLATILE ORGANICS

PROJECT NAME : WEST & LEROY STREETS

LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC

360 West 31st Street

21 Penn Plaza, Ste 800

New York, NY - 10001

Phone No: 2124795400

ORDER ID : D4252

ATTENTION : Gerald Nicholls

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Date : 09/25/2012

Dear Gerald Nicholls,

1 air samples for the **West & Leroy Streets** project were received on **09/18/2012.** The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

The invoice for this workorder is also attached to the e-mail.

Regards,

Kurt Hummler

908-728-3143

khummler@chemtech.net

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. : D4252

Client Contact Information	Bottle Order ID : **B1209052**	Courier :	____ of ____ COCs
Client ID : **LANG03** Project ID :	**West & Leroy Streets**	Sampler Name(s) : SEAN LOWES	Analysis / Matrix
Customer Name : **Langan Engineering and Environmental Services, Inc**	Project Manager : **Gerald nicholls**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **360 West 31st Street**	Phone Number : **2124795400**		
21 Penn Plaza, Ste 800	Fax Number : **2124795544**		
City : **New York**	Site Details:		
State : **NY**	Analysis Turnaround Time STANDARD		
Zip Code : **10001**	Standard : **15 business days**	Data Package Type : LEVEL 2 ~~SUMMARY~~	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
SV-1	9/17/12	1342	1542	-30	-3	73	73	-30		10613	10409	6 L	50	VL017715.D	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum
Start	73	81	68
Stop	75	81	68

Pressure (Inches of Hg)	Ambient	Maximum	Minimum
Start	30.08	30.08	30.08
Stop	30.06	30.06	30.06

GC/MS Analyst Signature (TO-15): [signature]

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low)

PID Readings: 0.0 ppm

Sampling site (State): New York

Quick Connector required : NO

Canisters Shiped by:	Date/Time: 09/14/12	Canisters Received by:	Date/Time:
Samples Relinquished by: [signature]	Date/Time: 9/18/12 1400	Received by: [signature]	Date/Time: 9.18.12 12:00 pm
Relinquished by: [signature]	Date/Time: 9.18.12 1300	Received by: [signature]	Date/Time:

B1209052 - 1

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1	SDG No.:	D4252
Lab Sample ID:	D4252-01	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017950.D	1		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.28	1.38	J	0.04	0.25	0.5	ppbv
75-65-0	tert-Butyl alcohol	0.65	1.97		0.1	0.25	0.5	ppbv
74-87-3	Chloromethane	0.1	0.21	J	0.06	0.25	0.5	ppbv
80-62-6	Methyl Methacrylate	0.25	1.02	U	0.1	0.25	0.5	ppbv
75-01-4	Vinyl Chloride	0.25	0.64	U	0.03	0.25	0.5	ppbv
74-83-9	Bromomethane	0.25	0.97	U	0.03	0.25	0.5	ppbv
75-00-3	Chloroethane	0.1	0.26	J	0.07	0.25	0.5	ppbv
75-69-4	Trichlorofluoromethane	0.44	2.47	J	0.04	0.25	0.5	ppbv
76-14-2	Dichlorotetrafluoroethane	0.25	1.75	U	0.04	0.25	0.5	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.06	0.46	J	0.04	0.25	0.5	ppbv
593-60-2	Bromoethene	0.25	1.09	U	0.03	0.25	0.5	ppbv
142-82-5	Heptane	0.35	1.43	J	0.06	0.25	0.5	ppbv
75-35-4	1,1-Dichloroethene	0.25	0.99	U	0.05	0.25	0.5	ppbv
67-64-1	Acetone	87	206	E	0.1	0.25	0.5	ppbv
75-15-0	Carbon Disulfide	1.5	4.67		0.05	0.25	0.5	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.25	0.9	U	0.05	0.25	0.5	ppbv
75-09-2	Methylene Chloride	0.2	0.69	J	0.05	0.25	0.5	ppbv
107-05-1	Allyl Chloride	0.25	0.78	U	0.05	0.25	0.5	ppbv
156-60-5	trans-1,2-Dichloroethene	0.25	0.99	U	0.06	0.25	0.5	ppbv
75-34-3	1,1-Dichloroethane	0.25	1.01	U	0.04	0.25	0.5	ppbv
110-82-7	Cyclohexane	0.26	0.89	J	0.08	0.25	0.5	ppbv
78-93-3	2-Butanone	4.8	14.2		0.1	0.25	0.5	ppbv
56-23-5	Carbon Tetrachloride	0.04	0.25	J	0.03	0.25	0.5	ppbv
156-59-2	cis-1,2-Dichloroethene	0.25	0.99	U	0.06	0.25	0.5	ppbv
67-66-3	Chloroform	0.16	0.78	J	0.02	0.25	0.5	ppbv
123-91-1	1,4-Dioxane	0.25	0.9	U	0.09	0.25	0.5	ppbv
71-55-6	1,1,1-Trichloroethane	1.4	7.64		0.03	0.25	0.5	ppbv
109-99-9	Tetrahydrofuran	0.25	0.74	U	0.08	0.25	0.5	ppbv
540-84-1	2,2,4-Trimethylpentane	2.1	9.81		0.04	0.25	0.5	ppbv
71-43-2	Benzene	0.44	1.41	J	0.04	0.25	0.5	ppbv
107-06-2	1,2-Dichloroethane	0.25	1.01	U	0.07	0.25	0.5	ppbv
79-01-6	Trichloroethene	0.07	0.38	J	0.03	0.25	0.5	ppbv
78-87-5	1,2-Dichloropropane	0.25	1.16	U	0.06	0.25	0.5	ppbv
75-27-4	Bromodichloromethane	0.25	1.67	U	0.05	0.25	0.5	ppbv
108-10-1	4-Methyl-2-Pentanone	0.24	0.98	J	0.06	0.25	0.5	ppbv
108-88-3	Toluene	3.2	12.1		0.05	0.25	0.5	ppbv
10061-02-6	t-1,3-Dichloropropene	0.25	1.13	U	0.07	0.25	0.5	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.25	1.13	U	0.06	0.25	0.5	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1	SDG No.:	D4252
Lab Sample ID:	D4252-01	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017950.D	1		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.25	1.36	U	0.08	0.25	0.5	ppbv
124-48-1	Dibromochloromethane	0.25	2.13	U	0.05	0.25	0.5	ppbv
106-93-4	1,2-Dibromoethane	0.25	1.92	U	0.07	0.25	0.5	ppbv
127-18-4	Tetrachloroethene	7	47.5		0.03	0.25	0.5	ppbv
108-90-7	Chlorobenzene	0.25	1.15	U	0.09	0.25	0.5	ppbv
100-41-4	Ethyl Benzene	0.91	3.95		0.08	0.25	0.5	ppbv
179601-23-1	m/p-Xylene	3.1	13.5		0.11	0.5	1	ppbv
95-47-6	o-Xylene	2.7	11.7		0.07	0.25	0.5	ppbv
100-42-5	Styrene	0.12	0.51	J	0.07	0.25	0.5	ppbv
75-25-2	Bromoform	0.25	2.58	U	0.05	0.25	0.5	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.25	1.72	U	0.1	0.25	0.5	ppbv
95-49-8	2-Chlorotoluene	0.25	1.29	U	0.1	0.25	0.5	ppbv
108-67-8	1,3,5-Trimethylbenzene	0.37	1.82	J	0.09	0.25	0.5	ppbv
95-63-6	1,2,4-Trimethylbenzene	1.3	6.39		0.1	0.25	0.5	ppbv
622-96-8	4-Ethyltoluene	0.43	2.11	J	0.08	0.25	0.5	ppbv
541-73-1	1,3-Dichlorobenzene	0.25	1.5	U	0.08	0.25	0.5	ppbv
106-46-7	1,4-Dichlorobenzene	0.25	1.5	U	0.06	0.25	0.5	ppbv
95-50-1	1,2-Dichlorobenzene	0.25	1.5	U	0.07	0.25	0.5	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.25	1.86	U	0.04	0.25	0.5	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.25	2.67	U	0.08	0.25	0.5	ppbv
106-99-0	1,3-Butadiene	0.25	0.55	U	0.09	0.25	0.5	ppbv
110-54-3	Hexane	2.4	8.46		0.04	0.25	0.5	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135		104%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	900451		6.36				
540-36-3	1,4-Difluorobenzene	2518300		7.92				
3114-55-4	Chlorobenzene-d5	2253250		12.89				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1	SDG No.:	D4252
Lab Sample ID:	D4252-01	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017950.D	1		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1DL	SDG No.:	D4252
Lab Sample ID:	D4252-01DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017951.D	10		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	2.5	12.4	U	0.4	2.5	5	ppbv
75-65-0	tert-Butyl alcohol	2.5	7.58	U	1	2.5	5	ppbv
74-87-3	Chloromethane	2.5	5.16	U	0.6	2.5	5	ppbv
80-62-6	Methyl Methacrylate	2.5	10.2	U	1	2.5	5	ppbv
75-01-4	Vinyl Chloride	2.5	6.39	U	0.3	2.5	5	ppbv
74-83-9	Bromomethane	2.5	9.71	U	0.3	2.5	5	ppbv
75-00-3	Chloroethane	2.5	6.6	U	0.7	2.5	5	ppbv
75-69-4	Trichlorofluoromethane	2.5	14.0	U	0.4	2.5	5	ppbv
76-14-2	Dichlorotetrafluoroethane	2.5	17.5	U	0.4	2.5	5	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	19.2	U	0.4	2.5	5	ppbv
593-60-2	Bromoethene	2.5	10.9	U	0.3	2.5	5	ppbv
142-82-5	Heptane	2.5	10.2	U	0.6	2.5	5	ppbv
75-35-4	1,1-Dichloroethene	2.5	9.91	U	0.5	2.5	5	ppbv
67-64-1	Acetone	100	237	D	1	2.5	5	ppbv
75-15-0	Carbon Disulfide	2.5	7.79	U	0.5	2.5	5	ppbv
1634-04-4	Methyl tert-Butyl Ether	2.5	9.01	U	0.5	2.5	5	ppbv
75-09-2	Methylene Chloride	2.5	8.69	U	0.5	2.5	5	ppbv
107-05-1	Allyl Chloride	2.5	7.83	U	0.5	2.5	5	ppbv
156-60-5	trans-1,2-Dichloroethene	2.5	9.91	U	0.6	2.5	5	ppbv
75-34-3	1,1-Dichloroethane	2.5	10.1	U	0.4	2.5	5	ppbv
110-82-7	Cyclohexane	2.5	8.61	U	0.8	2.5	5	ppbv
78-93-3	2-Butanone	4.6	13.6	JD	1	2.5	5	ppbv
56-23-5	Carbon Tetrachloride	2.5	15.7	U	0.3	2.5	5	ppbv
156-59-2	cis-1,2-Dichloroethene	2.5	9.91	U	0.6	2.5	5	ppbv
67-66-3	Chloroform	2.5	12.2	U	0.2	2.5	5	ppbv
123-91-1	1,4-Dioxane	2.5	9.01	U	0.9	2.5	5	ppbv
71-55-6	1,1,1-Trichloroethane	2.5	13.6	U	0.3	2.5	5	ppbv
109-99-9	Tetrahydrofuran	2.5	7.37	U	0.8	2.5	5	ppbv
540-84-1	2,2,4-Trimethylpentane	2.5	11.7	U	0.4	2.5	5	ppbv
71-43-2	Benzene	2.5	7.99	U	0.4	2.5	5	ppbv
107-06-2	1,2-Dichloroethane	2.5	10.1	U	0.7	2.5	5	ppbv
79-01-6	Trichloroethene	2.5	13.4	U	0.3	2.5	5	ppbv
78-87-5	1,2-Dichloropropane	2.5	11.6	U	0.6	2.5	5	ppbv
75-27-4	Bromodichloromethane	2.5	16.8	U	0.5	2.5	5	ppbv
108-10-1	4-Methyl-2-Pentanone	2.5	10.2	U	0.6	2.5	5	ppbv
108-88-3	Toluene	2.7	10.2	JD	0.5	2.5	5	ppbv
10061-02-6	t-1,3-Dichloropropene	2.5	11.4	U	0.7	2.5	5	ppbv
10061-01-5	cis-1,3-Dichloropropene	2.5	11.4	U	0.6	2.5	5	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1DL	SDG No.:	D4252
Lab Sample ID:	D4252-01DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017951.D	10		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	2.5	13.6	U	0.8	2.5	5	ppbv
124-48-1	Dibromochloromethane	2.5	21.3	U	0.5	2.5	5	ppbv
106-93-4	1,2-Dibromoethane	2.5	19.2	U	0.7	2.5	5	ppbv
127-18-4	Tetrachloroethene	5.8	39.3	D	0.3	2.5	5	ppbv
108-90-7	Chlorobenzene	2.5	11.5	U	0.9	2.5	5	ppbv
100-41-4	Ethyl Benzene	2.5	10.9	U	0.8	2.5	5	ppbv
179601-23-1	m/p-Xylene	2.3	9.99	JD	1.1	5	10	ppbv
95-47-6	o-Xylene	2.2	9.56	JD	0.7	2.5	5	ppbv
100-42-5	Styrene	2.5	10.6	U	0.7	2.5	5	ppbv
75-25-2	Bromoform	2.5	25.8	U	0.5	2.5	5	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	2.5	17.2	U	1	2.5	5	ppbv
95-49-8	2-Chlorotoluene	2.5	12.9	U	1	2.5	5	ppbv
108-67-8	1,3,5-Trimethylbenzene	2.5	12.3	U	0.9	2.5	5	ppbv
95-63-6	1,2,4-Trimethylbenzene	2.5	12.3	U	1	2.5	5	ppbv
622-96-8	4-Ethyltoluene	2.5	12.3	U	0.8	2.5	5	ppbv
541-73-1	1,3-Dichlorobenzene	2.5	15.0	U	0.8	2.5	5	ppbv
106-46-7	1,4-Dichlorobenzene	2.5	15.0	U	0.6	2.5	5	ppbv
95-50-1	1,2-Dichlorobenzene	2.5	15.0	U	0.7	2.5	5	ppbv
120-82-1	1,2,4-Trichlorobenzene	2.5	18.6	U	0.4	2.5	5	ppbv
87-68-3	Hexachloro-1,3-Butadiene	2.5	26.7	U	0.8	2.5	5	ppbv
106-99-0	1,3-Butadiene	2.5	5.53	U	0.9	2.5	5	ppbv
110-54-3	Hexane	2.5	8.81	U	0.4	2.5	5	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	9.55			65 - 135		96%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1174690		6.35				
540-36-3	1,4-Difluorobenzene	3605770		7.92				
3114-55-4	Chlorobenzene-d5	3134710		12.89				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1DL	SDG No.:	D4252
Lab Sample ID:	D4252-01DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017951.D	10		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH

DATA FOR

VOLATILE ORGANICS

SEMI-VOLATILE ORGANICS

GC SEMI-VOLATILES

METALS

PROJECT NAME : WEST & LEROY STREETS

LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC

360 West 31st Street

21 Penn Plaza, Ste 800

New York, NY - 10001

Phone No: 2124795400

ORDER ID : D4250

ATTENTION : Gerald Nicholls

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Date : 09/25/2012

Dear Gerald Nicholls,

4 water and **4** soil samples for the **West & Leroy Streets** project were received on **09/18/2012.** The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

The invoice for this workorder is also attached to the e-mail.

Regards,

Kurt Hummler

908-728-3143

khummler@chemtech.net

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. D4250
QUOTE NO.
COC Number 024579

CLIENT INFORMATION (REPORT TO BE SENT TO:)
COMPANY: LANGAN
ADDRESS: 360 W. 31ST ST.
CITY: NEW YORK STATE: NY ZIP: 10001
ATTENTION: G. NICHOLLS
PHONE: 212-479-5559 FAX:

CLIENT PROJECT INFORMATION
PROJECT NAME: West & LeRoy Streets
PROJECT NO.: 170215701 LOCATION: NEW YORK
PROJECT MANAGER: G. Nicholls
e-mail: gnicholls@langan.com
PHONE: 212-479-5559 FAX: —

CLIENT BILLING INFORMATION
BILL TO: LANGAN PO#: 170215701
ADDRESS: 360 W. 31st Street
CITY: New York STATE: NY ZIP: 10001
ATTENTION: G. Nicholls PHONE: 212-479-5400

DATA TURNAROUND INFORMATION
FAX: STANDARD DAYS *
HARD COPY: STANDARD DAYS *
EDD: STANDARD DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☐ LEVEL 1: Results only ☐ Others
☒ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☒ EDD Format: NYSDEC - unrestricted

ANALYSIS
1 TCL VOCs
2 TCL SVOCs
3 TAL Metals
4 TCL Pest/Herb/PCBs
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	LB-1 (3-5)	S		X	9/17/12	1230	5	X	X	X	X						
2.	LB-1 (7-9)	S		X	9/17/12	1215	5	X	X	X							
3.	LB-2 (3-5)	S		X	9/17/12	1400	5	X	X	X	X						
4.	LB-2 (10-12)	S		X	9/17/12	1415	5	X	X	X							
5.	TMW-1	GW		X	9/17/12	1600	8	X	X	X	X						
6.	TMW-2	GW		X	9/17/12	1530	8	X	X	X	X						
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES — COMMENTS: ← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	9/18/12 1200	1. [signature]
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3. [signature]	DATE/TIME: 1300 9-18-12	RECEIVED FOR LAB BY: 3. [signature]

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Cooler Temp. 5.8
Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	6.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE005925.D	1	09/20/12	09/25/12	PB65821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	40	U	14.1	40	80	ug/Kg
120-36-5	DICHLORPROP	35.5	U	13.1	35.5	71	ug/Kg
94-75-7	2,4-D	40	U	34.7	40	80	ug/Kg
93-72-1	2,4,5-TP (SILVEX)	35.5	U	11.6	35.5	71	ug/Kg
93-76-5	2,4,5-T	35.5	U	10.9	35.5	71	ug/Kg
94-82-6	2,4-DB	35.5	U	31.4	35.5	71	ug/Kg
88-85-7	DINOSEB	35.5	U	26	35.5	71	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	176		12 - 189		35%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4900		1	0.63	1.875	3.75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-36-0	Antimony	0.935	U	1	0.42	0.935	1.87	mg/Kg	09/19/12	09/25/12	SW6010B
7440-38-2	Arsenic	2.44		1	0.25	0.375	0.75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-39-3	Barium	47.3		1	0.3	1.875	3.75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-41-7	Beryllium	0.33		1	0.04	0.11	0.22	mg/Kg	09/19/12	09/25/12	SW6010B
7440-43-9	Cadmium	0.11	U	1	0.04	0.11	0.22	mg/Kg	09/19/12	09/25/12	SW6010B
7440-70-2	Calcium	29700		1	0.8	37.5	75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-47-3	Chromium	13.2		1	0.1	0.185	0.37	mg/Kg	09/19/12	09/25/12	SW6010B
7440-48-4	Cobalt	6.67		1	0.43	0.56	1.12	mg/Kg	09/19/12	09/25/12	SW6010B
7440-50-8	Copper	82.7		1	0.24	0.375	0.75	mg/Kg	09/19/12	09/25/12	SW6010B
7439-89-6	Iron	12200		1	1	1.875	3.75	mg/Kg	09/19/12	09/25/12	SW6010B
7439-92-1	Lead	65.9		1	0.09	0.225	0.45	mg/Kg	09/19/12	09/25/12	SW6010B
7439-95-4	Magnesium	18900		1	3.43	37.5	75	mg/Kg	09/19/12	09/25/12	SW6010B
7439-96-5	Manganese	244		1	0.14	0.375	0.75	mg/Kg	09/19/12	09/25/12	SW6010B
7439-97-6	Mercury	0.817	D	10	0.02	0.05	0.1	mg/Kg	09/20/12	09/21/12	SW7471A
7440-02-0	Nickel	20.3		1	0.34	0.75	1.5	mg/Kg	09/19/12	09/25/12	SW6010B
7440-09-7	Potassium	876		1	2.62	37.5	75	mg/Kg	09/19/12	09/25/12	SW6010B
7782-49-2	Selenium	1.45		1	0.31	0.375	0.75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-22-4	Silver	0.57		1	0.11	0.185	0.37	mg/Kg	09/19/12	09/25/12	SW6010B
7440-23-5	Sodium	180		1	1.89	37.5	75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-28-0	Thallium	0.75	U	1	0.2	0.75	1.5	mg/Kg	09/19/12	09/25/12	SW6010B
7440-62-2	Vanadium	15.3		1	0.44	0.75	1.5	mg/Kg	09/19/12	09/25/12	SW6010B
7440-66-6	Zinc	66.3		1	0.52	0.75	1.5	mg/Kg	09/19/12	09/25/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC010507.D	1	09/19/12	09/24/12	PB65816

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221	9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232	9	U	7.9	9	18	ug/Kg
53469-21-9	Aroclor-1242	9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248	9	U	7	9	18	ug/Kg
11097-69-1	Aroclor-1254	9	U	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260	9	U	4.4	9	18	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.1		10 - 166		81%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		60 - 125		82%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	6.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006066.D	1	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.9	U	0.14	0.9	1.8	ug/Kg
319-85-7	beta-BHC	0.9	U	0.19	0.9	1.8	ug/Kg
319-86-8	delta-BHC	0.9	U	0.11	0.9	1.8	ug/Kg
58-89-9	gamma-BHC	0.9	U	0.16	0.9	1.8	ug/Kg
76-44-8	Heptachlor	0.9	U	0.15	0.9	1.8	ug/Kg
309-00-2	Aldrin	0.9	U	0.11	0.9	1.8	ug/Kg
1024-57-3	Heptachlor epoxide	0.9	U	0.17	0.9	1.8	ug/Kg
959-98-8	Endosulfan I	0.9	U	0.16	0.9	1.8	ug/Kg
60-57-1	Dieldrin	0.9	U	0.14	0.9	1.8	ug/Kg
72-55-9	4,4-DDE	0.9	U	0.21	0.9	1.8	ug/Kg
72-20-8	Endrin	0.9	U	0.19	0.9	1.8	ug/Kg
33213-65-9	Endosulfan II	0.9	U	0.15	0.9	1.8	ug/Kg
72-54-8	4,4-DDD	0.9	U	0.18	0.9	1.8	ug/Kg
1031-07-8	Endosulfan Sulfate	0.9	U	0.16	0.9	1.8	ug/Kg
50-29-3	4,4-DDT	0.9	U	0.15	0.9	1.8	ug/Kg
72-43-5	Methoxychlor	67	EP	0.18	0.9	1.8	ug/Kg
53494-70-5	Endrin ketone	0.9	U	0.14	0.9	1.8	ug/Kg
7421-93-4	Endrin aldehyde	0.9	U	0.16	0.9	1.8	ug/Kg
5103-71-9	alpha-Chlordane	0.9	U	0.15	0.9	1.8	ug/Kg
5103-74-2	gamma-Chlordane	0.9	U	0.14	0.9	1.8	ug/Kg
8001-35-2	Toxaphene	9	U	3.6	9	18	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.3		10 - 169		107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		31 - 151		93%	SPK: 20

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	6.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006066.D	1	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-01DL	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	6.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006068.D	5	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	4.5	UD	0.69	4.5	9	ug/Kg
319-85-7	beta-BHC	4.5	UD	0.96	4.5	9	ug/Kg
319-86-8	delta-BHC	4.5	UD	0.53	4.5	9	ug/Kg
58-89-9	gamma-BHC	4.5	UD	0.8	4.5	9	ug/Kg
76-44-8	Heptachlor	4.5	UD	0.74	4.5	9	ug/Kg
309-00-2	Aldrin	4.5	UD	0.53	4.5	9	ug/Kg
1024-57-3	Heptachlor epoxide	4.5	UD	0.85	4.5	9	ug/Kg
959-98-8	Endosulfan I	4.5	UD	0.8	4.5	9	ug/Kg
60-57-1	Dieldrin	4.5	UD	0.69	4.5	9	ug/Kg
72-55-9	4,4-DDE	4.5	UD	1.1	4.5	9	ug/Kg
72-20-8	Endrin	4.5	UD	0.96	4.5	9	ug/Kg
33213-65-9	Endosulfan II	4.5	UD	0.74	4.5	9	ug/Kg
72-54-8	4,4-DDD	4.5	UD	0.9	4.5	9	ug/Kg
1031-07-8	Endosulfan Sulfate	4.5	UD	0.8	4.5	9	ug/Kg
50-29-3	4,4-DDT	4.5	UD	0.74	4.5	9	ug/Kg
72-43-5	Methoxychlor	92	D	0.9	4.5	9	ug/Kg
53494-70-5	Endrin ketone	4.5	UD	0.69	4.5	9	ug/Kg
7421-93-4	Endrin aldehyde	4.5	UD	0.8	4.5	9	ug/Kg
5103-71-9	alpha-Chlordane	4.5	UD	0.74	4.5	9	ug/Kg
5103-74-2	gamma-Chlordane	4.5	UD	0.69	4.5	9	ug/Kg
8001-35-2	Toxaphene	45	UD	18	45	90	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.6		10 - 169		83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.1		31 - 151		86%	SPK: 20

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-01DL	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	6.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006068.D	5	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
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E = Value Exceeds Calibration Range
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079279.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	175	U	18	175	350	ug/Kg
108-95-2	Phenol	175	U	8.2	175	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	175	U	17	175	350	ug/Kg
95-57-8	2-Chlorophenol	175	U	19	175	350	ug/Kg
95-48-7	2-Methylphenol	175	U	19	175	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	175	U	15	175	350	ug/Kg
98-86-2	Acetophenone	175	U	11	175	350	ug/Kg
65794-96-9	3+4-Methylphenols	175	U	18	175	350	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	175	U	18	175	350	ug/Kg
67-72-1	Hexachloroethane	175	U	16	175	350	ug/Kg
98-95-3	Nitrobenzene	175	U	13	175	350	ug/Kg
78-59-1	Isophorone	175	U	12	175	350	ug/Kg
88-75-5	2-Nitrophenol	175	U	17	175	350	ug/Kg
105-67-9	2,4-Dimethylphenol	175	U	20	175	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	175	U	20	175	350	ug/Kg
120-83-2	2,4-Dichlorophenol	175	U	14	175	350	ug/Kg
91-20-3	Naphthalene	150	J	12	175	350	ug/Kg
106-47-8	4-Chloroaniline	175	U	25	175	350	ug/Kg
87-68-3	Hexachlorobutadiene	175	U	13	175	350	ug/Kg
105-60-2	Caprolactam	175	U	16	175	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	175	U	16	175	350	ug/Kg
91-57-6	2-Methylnaphthalene	175	U	8.9	175	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	175	UQ	8.6	175	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	175	U	11	175	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	175	U	25	175	350	ug/Kg
92-52-4	1,1-Biphenyl	175	U	13	175	350	ug/Kg
91-58-7	2-Chloronaphthalene	175	U	8.1	175	350	ug/Kg
88-74-4	2-Nitroaniline	175	U	16	175	350	ug/Kg
131-11-3	Dimethylphthalate	210	J	9.6	175	350	ug/Kg
208-96-8	Acenaphthylene	175	U	8.9	175	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	175	U	14	175	350	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079279.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	175	U	23	175	350	ug/Kg
83-32-9	Acenaphthene	270	J	10	175	350	ug/Kg
51-28-5	2,4-Dinitrophenol	175	U	36	175	350	ug/Kg
100-02-7	4-Nitrophenol	175	U	66	175	350	ug/Kg
132-64-9	Dibenzofuran	150	J	14	175	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	175	U	11	175	350	ug/Kg
84-66-2	Diethylphthalate	175	U	5.5	175	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	175	U	19	175	350	ug/Kg
86-73-7	Fluorene	220	J	13	175	350	ug/Kg
100-01-6	4-Nitroaniline	175	U	46	175	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	175	U	20	175	350	ug/Kg
86-30-6	N-Nitrosodiphenylamine	175	U	8.5	175	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	175	U	6.9	175	350	ug/Kg
118-74-1	Hexachlorobenzene	175	U	14	175	350	ug/Kg
1912-24-9	Atrazine	175	U	19	175	350	ug/Kg
87-86-5	Pentachlorophenol	175	U	24	175	350	ug/Kg
85-01-8	Phenanthrene	2700		9.6	175	350	ug/Kg
120-12-7	Anthracene	600		7.2	175	350	ug/Kg
86-74-8	Carbazole	210	J	7.8	175	350	ug/Kg
84-74-2	Di-n-butylphthalate	175	U	28	175	350	ug/Kg
206-44-0	Fluoranthene	3000	E	7.1	175	350	ug/Kg
129-00-0	Pyrene	2800		8.5	175	350	ug/Kg
85-68-7	Butylbenzylphthalate	175	U	17	175	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	175	U	23	175	350	ug/Kg
56-55-3	Benzo(a)anthracene	1400		17	175	350	ug/Kg
218-01-9	Chrysene	1400		16	175	350	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	175	U	13	175	350	ug/Kg
117-84-0	Di-n-octyl phthalate	175	U	4	175	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		12	175	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	530		17	175	350	ug/Kg
50-32-8	Benzo(a)pyrene	1200		7.7	175	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	660		12	175	350	ug/Kg
53-70-3	Dibenz(a,h)anthracene	160	J	10	175	350	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079279.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	670		14	175	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	175	U	14	175	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	175	U	14	175	350	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	19.4	*	28 - 127		13%	SPK: 150
13127-88-3	Phenol-d6	125		34 - 127		83%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.1		31 - 132		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		39 - 123		93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	3.94	*	30 - 133		3%	SPK: 150
1718-51-0	Terphenyl-d14	90.6		37 - 115		91%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79924	8.7				
1146-65-2	Naphthalene-d8	316711	10.86				
15067-26-2	Acenaphthene-d10	174213	13.81				
1517-22-2	Phenanthrene-d10	327530	16.27				
1719-03-5	Chrysene-d12	367324	20.71				
1520-96-3	Perylene-d12	334521	24.41				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2100	AB			5.96	ug/Kg
111-76-2	Ethanol, 2-butoxy-	360	J			6.98	ug/Kg
108349-67-3	Pyrido[2,3-d]indole, 6-methyl-	150	J			15.11	ug/Kg
486-25-9	9H-Fluoren-9-one	160	J			15.94	ug/Kg
593-45-3	Octadecane	190	J			16.01	ug/Kg
132-65-0	Dibenzothiophene	150	J			16.11	ug/Kg
610-48-0	Anthracene, 1-methyl-	490	J			17.1	ug/Kg
2531-84-2	Phenanthrene, 2-methyl-	590	J			17.15	ug/Kg
832-69-9	Phenanthrene, 1-methyl-	230	J			17.22	ug/Kg
203-64-5	4H-Cyclopenta[def]phenanthrene	710	J			17.29	ug/Kg
949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	280	J			17.32	ug/Kg
612-94-2	Naphthalene, 2-phenyl-	280	J			17.58	ug/Kg
84-65-1	9,10-Anthracenedione	270	J			17.62	ug/Kg
3674-66-6	Phenanthrene, 2,5-dimethyl-	330	J			18.01	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079279.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown18.08	200	J			18.08	ug/Kg
5737-13-3	Cyclopenta(def)phenanthrenone	270	J			18.15	ug/Kg
243-17-4	11H-Benzo[b]fluorene	150	J			19.2	ug/Kg
192-97-2	Benzo[e]pyrene	260	J			23.52	ug/Kg
198-55-0	Perylene	1000	J			24.06	ug/Kg
205-82-3	Benzo[j]fluoranthene	250	J			24.49	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-01DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079293.D	2	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	350	UD	37	350	700	ug/Kg
108-95-2	Phenol	350	UD	16	350	700	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	350	UD	34	350	700	ug/Kg
95-57-8	2-Chlorophenol	350	UD	37	350	700	ug/Kg
95-48-7	2-Methylphenol	350	UD	38	350	700	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	350	UD	29	350	700	ug/Kg
98-86-2	Acetophenone	350	UD	22	350	700	ug/Kg
65794-96-9	3+4-Methylphenols	350	UD	37	350	700	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	350	UD	36	350	700	ug/Kg
67-72-1	Hexachloroethane	350	UD	32	350	700	ug/Kg
98-95-3	Nitrobenzene	350	UD	27	350	700	ug/Kg
78-59-1	Isophorone	350	UD	23	350	700	ug/Kg
88-75-5	2-Nitrophenol	350	UD	34	350	700	ug/Kg
105-67-9	2,4-Dimethylphenol	350	UD	40	350	700	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	350	UD	41	350	700	ug/Kg
120-83-2	2,4-Dichlorophenol	350	UD	27	350	700	ug/Kg
91-20-3	Naphthalene	350	UD	24	350	700	ug/Kg
106-47-8	4-Chloroaniline	350	UD	50	350	700	ug/Kg
87-68-3	Hexachlorobutadiene	350	UD	26	350	700	ug/Kg
105-60-2	Caprolactam	350	UD	33	350	700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	350	UD	31	350	700	ug/Kg
91-57-6	2-Methylnaphthalene	350	UD	18	350	700	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	UDQ	17	350	700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	350	UD	22	350	700	ug/Kg
95-95-4	2,4,5-Trichlorophenol	350	UD	50	350	700	ug/Kg
92-52-4	1,1-Biphenyl	350	UD	27	350	700	ug/Kg
91-58-7	2-Chloronaphthalene	350	UD	16	350	700	ug/Kg
88-74-4	2-Nitroaniline	350	UD	31	350	700	ug/Kg
131-11-3	Dimethylphthalate	350	UD	19	350	700	ug/Kg
208-96-8	Acenaphthylene	350	UD	18	350	700	ug/Kg
606-20-2	2,6-Dinitrotoluene	350	UD	29	350	700	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-01DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079293.D	2	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	350	UD	46	350	700	ug/Kg
83-32-9	Acenaphthene	350	UD	20	350	700	ug/Kg
51-28-5	2,4-Dinitrophenol	350	UD	72	350	700	ug/Kg
100-02-7	4-Nitrophenol	350	UD	130	350	700	ug/Kg
132-64-9	Dibenzofuran	350	UD	28	350	700	ug/Kg
121-14-2	2,4-Dinitrotoluene	350	UD	21	350	700	ug/Kg
84-66-2	Diethylphthalate	350	UD	11	350	700	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	350	UD	38	350	700	ug/Kg
86-73-7	Fluorene	350	UD	27	350	700	ug/Kg
100-01-6	4-Nitroaniline	350	UD	92	350	700	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	350	UD	41	350	700	ug/Kg
86-30-6	N-Nitrosodiphenylamine	350	UD	17	350	700	ug/Kg
101-55-3	4-Bromophenyl-phenylether	350	UD	14	350	700	ug/Kg
118-74-1	Hexachlorobenzene	350	UD	29	350	700	ug/Kg
1912-24-9	Atrazine	350	UD	37	350	700	ug/Kg
87-86-5	Pentachlorophenol	350	UD	48	350	700	ug/Kg
85-01-8	Phenanthrene	2800	D	19	350	700	ug/Kg
120-12-7	Anthracene	580	JD	14	350	700	ug/Kg
86-74-8	Carbazole	350	UD	16	350	700	ug/Kg
84-74-2	Di-n-butylphthalate	350	UD	56	350	700	ug/Kg
206-44-0	Fluoranthene	3200	D	14	350	700	ug/Kg
129-00-0	Pyrene	2900	D	17	350	700	ug/Kg
85-68-7	Butylbenzylphthalate	350	UD	34	350	700	ug/Kg
91-94-1	3,3-Dichlorobenzidine	350	UD	46	350	700	ug/Kg
56-55-3	Benzo(a)anthracene	1400	D	34	350	700	ug/Kg
218-01-9	Chrysene	1300	D	32	350	700	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	350	UD	25	350	700	ug/Kg
117-84-0	Di-n-octyl phthalate	350	UD	8.1	350	700	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400	D	23	350	700	ug/Kg
207-08-9	Benzo(k)fluoranthene	440	JD	33	350	700	ug/Kg
50-32-8	Benzo(a)pyrene	1200	D	15	350	700	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	640	JD	24	350	700	ug/Kg
53-70-3	Dibenz(a,h)anthracene	350	UD	20	350	700	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-01DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079293.D	2	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	660	JD	29	350	700	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	350	UD	28	350	700	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	350	UD	28	350	700	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	18.5	*	28 - 127		12%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127		83%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.4		31 - 132		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		39 - 123		94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	4.14	*	30 - 133		3%	SPK: 150
1718-51-0	Terphenyl-d14	93		37 - 115		93%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70847	8.69				
1146-65-2	Naphthalene-d8	288057	10.85				
15067-26-2	Acenaphthene-d10	167139	13.81				
1517-22-2	Phenanthrene-d10	333315	16.27				
1719-03-5	Chrysene-d12	378827	20.71				
1520-96-3	Perylene-d12	341097	24.41				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	6
Sample Wt/Vol:	3.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035331.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.4	U	0.88	3.4	6.8	ug/Kg
74-87-3	Chloromethane	3.4	U	1.2	3.4	6.8	ug/Kg
75-01-4	Vinyl Chloride	3.4	U	1.7	3.4	6.8	ug/Kg
74-83-9	Bromomethane	3.4	U	3.3	3.4	6.8	ug/Kg
75-00-3	Chloroethane	3.4	U	1.9	3.4	6.8	ug/Kg
75-69-4	Trichlorofluoromethane	3.4	U	1.8	3.4	6.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.4	U	1.8	3.4	6.8	ug/Kg
75-35-4	1,1-Dichloroethene	3.4	U	2	3.4	6.8	ug/Kg
67-64-1	Acetone	17	U	4.1	17	34	ug/Kg
75-15-0	Carbon Disulfide	3.4	U	1.4	3.4	6.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.4	U	1.3	3.4	6.8	ug/Kg
79-20-9	Methyl Acetate	3.4	U	2	3.4	6.8	ug/Kg
75-09-2	Methylene Chloride	3.4	U	1.9	3.4	6.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.4	U	0.93	3.4	6.8	ug/Kg
75-34-3	1,1-Dichloroethane	3.4	U	1.3	3.4	6.8	ug/Kg
110-82-7	Cyclohexane	3.4	U	1.4	3.4	6.8	ug/Kg
78-93-3	2-Butanone	17	U	4.2	17	34	ug/Kg
56-23-5	Carbon Tetrachloride	3.4	UQ	1.3	3.4	6.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.4	U	1.2	3.4	6.8	ug/Kg
74-97-5	Bromochloromethane	3.4	U	1.1	3.4	6.8	ug/Kg
67-66-3	Chloroform	3.4	U	1	3.4	6.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.4	U	1.2	3.4	6.8	ug/Kg
108-87-2	Methylcyclohexane	3.4	U	1.4	3.4	6.8	ug/Kg
71-43-2	Benzene	3.4	U	0.51	3.4	6.8	ug/Kg
107-06-2	1,2-Dichloroethane	3.4	U	0.87	3.4	6.8	ug/Kg
79-01-6	Trichloroethene	3.4	U	1.2	3.4	6.8	ug/Kg
78-87-5	1,2-Dichloropropane	3.4	U	0.35	3.4	6.8	ug/Kg
75-27-4	Bromodichloromethane	3.4	U	0.84	3.4	6.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17	U	4	17	34	ug/Kg
108-88-3	Toluene	3.4	U	0.87	3.4	6.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.4	U	1.1	3.4	6.8	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	6
Sample Wt/Vol:	3.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035331.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.4	U	0.97	3.4	6.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.4	U	1.2	3.4	6.8	ug/Kg
591-78-6	2-Hexanone	17	U	5.3	17	34	ug/Kg
124-48-1	Dibromochloromethane	3.4	U	0.73	3.4	6.8	ug/Kg
106-93-4	1,2-Dibromoethane	3.4	U	0.87	3.4	6.8	ug/Kg
127-18-4	Tetrachloroethene	6	J	1.4	3.4	6.8	ug/Kg
108-90-7	Chlorobenzene	3.4	U	0.68	3.4	6.8	ug/Kg
100-41-4	Ethyl Benzene	3.4	U	0.84	3.4	6.8	ug/Kg
179601-23-1	m/p-Xylenes	7	U	0.97	7	14	ug/Kg
95-47-6	o-Xylene	3.4	U	0.92	3.4	6.8	ug/Kg
100-42-5	Styrene	3.4	U	0.61	3.4	6.8	ug/Kg
75-25-2	Bromoform	3.4	U	1	3.4	6.8	ug/Kg
98-82-8	Isopropylbenzene	3.4	U	0.65	3.4	6.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U	0.62	3.4	6.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.4	U	0.5	3.4	6.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.4	U	0.55	3.4	6.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.4	U	0.84	3.4	6.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	1.2	3.4	6.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.4	U	0.95	3.4	6.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.4	U	0.68	3.4	6.8	ug/Kg
123-91-1	1,4-Dioxane	70	U	68	70	140	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.8		56 - 120		104%	SPK: 50
1868-53-7	Dibromofluoromethane	57.4		57 - 135		115%	SPK: 50
2037-26-5	Toluene-d8	49.6		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		33 - 141		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	81052	4.4				
540-36-3	1,4-Difluorobenzene	100846	5.15				
3114-55-4	Chlorobenzene-d5	94004	9.35				
3855-82-1	1,4-Dichlorobenzene-d4	40851	12.25				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	6
Sample Wt/Vol:	3.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035331.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	9660		1	0.66	1.95	3.9	mg/Kg	09/19/12	09/25/12	SW6010B
7440-36-0	Antimony	0.975	U	1	0.44	0.975	1.95	mg/Kg	09/19/12	09/25/12	SW6010B
7440-38-2	Arsenic	4.23		1	0.26	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-39-3	Barium	37.5		1	0.31	1.95	3.9	mg/Kg	09/19/12	09/25/12	SW6010B
7440-41-7	Beryllium	0.34		1	0.05	0.115	0.23	mg/Kg	09/19/12	09/25/12	SW6010B
7440-43-9	Cadmium	0.115	U	1	0.05	0.115	0.23	mg/Kg	09/19/12	09/25/12	SW6010B
7440-70-2	Calcium	698		1	0.84	39	78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-47-3	Chromium	15.3		1	0.1	0.195	0.39	mg/Kg	09/19/12	09/25/12	SW6010B
7440-48-4	Cobalt	8.3		1	0.44	0.585	1.17	mg/Kg	09/19/12	09/25/12	SW6010B
7440-50-8	Copper	17.1		1	0.25	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7439-89-6	Iron	21300		1	1.04	1.95	3.9	mg/Kg	09/19/12	09/25/12	SW6010B
7439-92-1	Lead	7.92		1	0.09	0.235	0.47	mg/Kg	09/19/12	09/25/12	SW6010B
7439-95-4	Magnesium	3260		1	3.57	39	78	mg/Kg	09/19/12	09/25/12	SW6010B
7439-96-5	Manganese	263		1	0.15	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7439-97-6	Mercury	0.05		1	0.002	0.006	0.011	mg/Kg	09/20/12	09/21/12	SW7471A
7440-02-0	Nickel	19.4		1	0.36	0.78	1.56	mg/Kg	09/19/12	09/25/12	SW6010B
7440-09-7	Potassium	787		1	2.73	39	78	mg/Kg	09/19/12	09/25/12	SW6010B
7782-49-2	Selenium	2.21		1	0.32	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-22-4	Silver	0.83		1	0.12	0.195	0.39	mg/Kg	09/19/12	09/25/12	SW6010B
7440-23-5	Sodium	131		1	1.97	39	78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-28-0	Thallium	1.04	J	1	0.21	0.78	1.56	mg/Kg	09/19/12	09/25/12	SW6010B
7440-62-2	Vanadium	19.1		1	0.46	0.78	1.56	mg/Kg	09/19/12	09/25/12	SW6010B
7440-66-6	Zinc	48.9		1	0.55	0.78	1.56	mg/Kg	09/19/12	09/25/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	10
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079280.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	185	U	19	185	370	ug/Kg
108-95-2	Phenol	185	U	8.5	185	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	185	U	18	185	370	ug/Kg
95-57-8	2-Chlorophenol	185	U	20	185	370	ug/Kg
95-48-7	2-Methylphenol	185	U	20	185	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	185	U	15	185	370	ug/Kg
98-86-2	Acetophenone	185	U	11	185	370	ug/Kg
65794-96-9	3+4-Methylphenols	185	U	19	185	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	185	U	19	185	370	ug/Kg
67-72-1	Hexachloroethane	185	U	17	185	370	ug/Kg
98-95-3	Nitrobenzene	185	U	14	185	370	ug/Kg
78-59-1	Isophorone	185	U	12	185	370	ug/Kg
88-75-5	2-Nitrophenol	185	U	18	185	370	ug/Kg
105-67-9	2,4-Dimethylphenol	185	U	21	185	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	185	U	21	185	370	ug/Kg
120-83-2	2,4-Dichlorophenol	185	U	14	185	370	ug/Kg
91-20-3	Naphthalene	185	U	13	185	370	ug/Kg
106-47-8	4-Chloroaniline	185	U	26	185	370	ug/Kg
87-68-3	Hexachlorobutadiene	185	U	13	185	370	ug/Kg
105-60-2	Caprolactam	185	U	17	185	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	185	U	16	185	370	ug/Kg
91-57-6	2-Methylnaphthalene	185	U	9.3	185	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	185	UQ	9	185	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	185	U	11	185	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	185	U	26	185	370	ug/Kg
92-52-4	1,1-Biphenyl	185	U	14	185	370	ug/Kg
91-58-7	2-Chloronaphthalene	185	U	8.4	185	370	ug/Kg
88-74-4	2-Nitroaniline	185	U	16	185	370	ug/Kg
131-11-3	Dimethylphthalate	220	J	10	185	370	ug/Kg
208-96-8	Acenaphthylene	185	U	9.3	185	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	185	U	15	185	370	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	10
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079280.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	185	U	24	185	370	ug/Kg
83-32-9	Acenaphthene	185	U	10	185	370	ug/Kg
51-28-5	2,4-Dinitrophenol	185	U	38	185	370	ug/Kg
100-02-7	4-Nitrophenol	185	U	69	185	370	ug/Kg
132-64-9	Dibenzofuran	185	U	14	185	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	185	U	11	185	370	ug/Kg
84-66-2	Diethylphthalate	185	U	5.8	185	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	185	U	20	185	370	ug/Kg
86-73-7	Fluorene	185	U	14	185	370	ug/Kg
100-01-6	4-Nitroaniline	185	U	48	185	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	185	U	21	185	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	185	U	8.9	185	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	185	U	7.2	185	370	ug/Kg
118-74-1	Hexachlorobenzene	185	U	15	185	370	ug/Kg
1912-24-9	Atrazine	185	U	20	185	370	ug/Kg
87-86-5	Pentachlorophenol	185	U	25	185	370	ug/Kg
85-01-8	Phenanthrene	185	U	10	185	370	ug/Kg
120-12-7	Anthracene	185	U	7.5	185	370	ug/Kg
86-74-8	Carbazole	185	U	8.1	185	370	ug/Kg
84-74-2	Di-n-butylphthalate	185	U	29	185	370	ug/Kg
206-44-0	Fluoranthene	185	U	7.4	185	370	ug/Kg
129-00-0	Pyrene	185	U	8.9	185	370	ug/Kg
85-68-7	Butylbenzylphthalate	185	U	18	185	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	185	U	24	185	370	ug/Kg
56-55-3	Benzo(a)anthracene	185	U	18	185	370	ug/Kg
218-01-9	Chrysene	185	U	17	185	370	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	185	U	13	185	370	ug/Kg
117-84-0	Di-n-octyl phthalate	185	U	4.2	185	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	185	U	12	185	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	185	U	17	185	370	ug/Kg
50-32-8	Benzo(a)pyrene	185	U	8	185	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	185	U	12	185	370	ug/Kg
53-70-3	Dibenz(a,h)anthracene	185	U	11	185	370	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	10
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079280.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	185	U	15	185	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	185	U	15	185	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	185	U	15	185	370	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	127		28 - 127		85%	SPK: 150
13127-88-3	Phenol-d6	134		34 - 127		90%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.4		31 - 132		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.7		39 - 123		86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		30 - 133		89%	SPK: 150
1718-51-0	Terphenyl-d14	85.7		37 - 115		86%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70212	8.7				
1146-65-2	Naphthalene-d8	278489	10.86				
15067-26-2	Acenaphthene-d10	159108	13.81				
1517-22-2	Phenanthrene-d10	305890	16.28				
1719-03-5	Chrysene-d12	328331	20.71				
1520-96-3	Perylene-d12	301903	24.4				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1400	AB			5.96	ug/Kg
593-45-3	Octadecane	120	J			16.01	ug/Kg
18835-32-0	1-Tricosene	210	J			20.32	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	10
Sample Wt/Vol:	2.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035332.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	4.8	U	1.2	4.8	9.6	ug/Kg
74-87-3	Chloromethane	4.8	U	1.7	4.8	9.6	ug/Kg
75-01-4	Vinyl Chloride	4.8	U	2.4	4.8	9.6	ug/Kg
74-83-9	Bromomethane	4.8	U	4.7	4.8	9.6	ug/Kg
75-00-3	Chloroethane	4.8	U	2.7	4.8	9.6	ug/Kg
75-69-4	Trichlorofluoromethane	4.8	U	2.5	4.8	9.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.8	U	2.6	4.8	9.6	ug/Kg
75-35-4	1,1-Dichloroethene	4.8	U	2.8	4.8	9.6	ug/Kg
67-64-1	Acetone	24	U	5.8	24	48	ug/Kg
75-15-0	Carbon Disulfide	4.8	U	2	4.8	9.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.8	U	1.8	4.8	9.6	ug/Kg
79-20-9	Methyl Acetate	4.8	U	2.9	4.8	9.6	ug/Kg
75-09-2	Methylene Chloride	4.8	U	2.7	4.8	9.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.8	U	1.3	4.8	9.6	ug/Kg
75-34-3	1,1-Dichloroethane	4.8	U	1.8	4.8	9.6	ug/Kg
110-82-7	Cyclohexane	4.8	U	1.9	4.8	9.6	ug/Kg
78-93-3	2-Butanone	24	U	6	24	48	ug/Kg
56-23-5	Carbon Tetrachloride	4.8	UQ	1.9	4.8	9.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.8	U	1.7	4.8	9.6	ug/Kg
74-97-5	Bromochloromethane	4.8	U	1.5	4.8	9.6	ug/Kg
67-66-3	Chloroform	4.8	U	1.4	4.8	9.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.8	U	1.7	4.8	9.6	ug/Kg
108-87-2	Methylcyclohexane	4.8	U	2	4.8	9.6	ug/Kg
71-43-2	Benzene	4.8	U	0.73	4.8	9.6	ug/Kg
107-06-2	1,2-Dichloroethane	4.8	U	1.2	4.8	9.6	ug/Kg
79-01-6	Trichloroethene	4.8	U	1.7	4.8	9.6	ug/Kg
78-87-5	1,2-Dichloropropane	4.8	U	0.5	4.8	9.6	ug/Kg
75-27-4	Bromodichloromethane	4.8	U	1.2	4.8	9.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	24	U	5.6	24	48	ug/Kg
108-88-3	Toluene	4.8	U	1.2	4.8	9.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.8	U	1.5	4.8	9.6	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	10
Sample Wt/Vol:	2.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035332.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4.8	U	1.4	4.8	9.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.8	U	1.7	4.8	9.6	ug/Kg
591-78-6	2-Hexanone	24	U	7.5	24	48	ug/Kg
124-48-1	Dibromochloromethane	4.8	U	1	4.8	9.6	ug/Kg
106-93-4	1,2-Dibromoethane	4.8	U	1.2	4.8	9.6	ug/Kg
127-18-4	Tetrachloroethene	4.8	U	1.9	4.8	9.6	ug/Kg
108-90-7	Chlorobenzene	4.8	U	0.96	4.8	9.6	ug/Kg
100-41-4	Ethyl Benzene	4.8	U	1.2	4.8	9.6	ug/Kg
179601-23-1	m/p-Xylenes	9.5	U	1.4	9.5	19	ug/Kg
95-47-6	o-Xylene	4.8	U	1.3	4.8	9.6	ug/Kg
100-42-5	Styrene	4.8	U	0.87	4.8	9.6	ug/Kg
75-25-2	Bromoform	4.8	U	1.4	4.8	9.6	ug/Kg
98-82-8	Isopropylbenzene	4.8	U	0.92	4.8	9.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U	0.88	4.8	9.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.8	U	0.71	4.8	9.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.8	U	0.79	4.8	9.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.8	U	1.2	4.8	9.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.8	U	1.7	4.8	9.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.8	U	1.3	4.8	9.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.8	U	0.96	4.8	9.6	ug/Kg
123-91-1	1,4-Dioxane	95	U	95	95	190	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.2		56 - 120		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		57 - 135		100%	SPK: 50
2037-26-5	Toluene-d8	45.2		67 - 123		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		33 - 141		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	88575	4.4				
540-36-3	1,4-Difluorobenzene	116998	5.14				
3114-55-4	Chlorobenzene-d5	112990	9.35				
3855-82-1	1,4-Dichlorobenzene-d4	61308	12.25				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	10
Sample Wt/Vol:	2.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035332.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	7.9 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE005928.D	1	09/20/12	09/25/12	PB65821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	40.5	U	14.4	40.5	81	ug/Kg
120-36-5	DICHLORPROP	36	U	13.4	36	72	ug/Kg
94-75-7	2,4-D	40.5	U	35.4	40.5	81	ug/Kg
93-72-1	2,4,5-TP (SILVEX)	36	U	11.8	36	72	ug/Kg
93-76-5	2,4,5-T	36	U	11.1	36	72	ug/Kg
94-82-6	2,4-DB	36	U	32	36	72	ug/Kg
88-85-7	DINOSEB	36	U	26.5	36	72	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	378		12 - 189		76%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	3880		1	0.64	1.91	3.82	mg/Kg	09/19/12	09/25/12	SW6010B
7440-36-0	Antimony	0.955	U	1	0.43	0.955	1.91	mg/Kg	09/19/12	09/25/12	SW6010B
7440-38-2	Arsenic	1.03		1	0.25	0.38	0.76	mg/Kg	09/19/12	09/25/12	SW6010B
7440-39-3	Barium	52		1	0.31	1.91	3.82	mg/Kg	09/19/12	09/25/12	SW6010B
7440-41-7	Beryllium	0.22	J	1	0.05	0.115	0.23	mg/Kg	09/19/12	09/25/12	SW6010B
7440-43-9	Cadmium	0.115	U	1	0.05	0.115	0.23	mg/Kg	09/19/12	09/25/12	SW6010B
7440-70-2	Calcium	2060		1	0.82	38.25	76.5	mg/Kg	09/19/12	09/25/12	SW6010B
7440-47-3	Chromium	11.8		1	0.1	0.19	0.38	mg/Kg	09/19/12	09/25/12	SW6010B
7440-48-4	Cobalt	4.8		1	0.44	0.575	1.15	mg/Kg	09/19/12	09/25/12	SW6010B
7440-50-8	Copper	13.3		1	0.24	0.38	0.76	mg/Kg	09/19/12	09/25/12	SW6010B
7439-89-6	Iron	10700		1	1.02	1.91	3.82	mg/Kg	09/19/12	09/25/12	SW6010B
7439-92-1	Lead	8.17		1	0.09	0.23	0.46	mg/Kg	09/19/12	09/25/12	SW6010B
7439-95-4	Magnesium	3060		1	3.5	38.25	76.5	mg/Kg	09/19/12	09/25/12	SW6010B
7439-96-5	Manganese	257		1	0.15	0.38	0.76	mg/Kg	09/19/12	09/25/12	SW6010B
7439-97-6	Mercury	0.872	D	10	0.02	0.051	0.102	mg/Kg	09/20/12	09/21/12	SW7471A
7440-02-0	Nickel	19.2		1	0.35	0.765	1.53	mg/Kg	09/19/12	09/25/12	SW6010B
7440-09-7	Potassium	1090		1	2.68	38.25	76.5	mg/Kg	09/19/12	09/25/12	SW6010B
7782-49-2	Selenium	0.98		1	0.31	0.38	0.76	mg/Kg	09/19/12	09/25/12	SW6010B
7440-22-4	Silver	0.34	J	1	0.11	0.19	0.38	mg/Kg	09/19/12	09/25/12	SW6010B
7440-23-5	Sodium	112		1	1.93	38.25	76.5	mg/Kg	09/19/12	09/25/12	SW6010B
7440-28-0	Thallium	0.765	U	1	0.21	0.765	1.53	mg/Kg	09/19/12	09/25/12	SW6010B
7440-62-2	Vanadium	11.8		1	0.45	0.765	1.53	mg/Kg	09/19/12	09/25/12	SW6010B
7440-66-6	Zinc	21.6		1	0.54	0.765	1.53	mg/Kg	09/19/12	09/25/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	8 Decanted:
Sample Wt/Vol:	30 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC010508.D	1	09/19/12	09/24/12	PB65816

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221	9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232	9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242	9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248	9	U	7.2	9	18	ug/Kg
11097-69-1	Aroclor-1254	9	U	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260	9	U	4.5	9	18	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	15.4		10 - 166		77%	SPK: 20
2051-24-3	Decachlorobiphenyl	18		60 - 125		90%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	7.9 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006067.D	1	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.9	U	0.14	0.9	1.8	ug/Kg
319-85-7	beta-BHC	0.9	U	0.19	0.9	1.8	ug/Kg
319-86-8	delta-BHC	0.9	U	0.11	0.9	1.8	ug/Kg
58-89-9	gamma-BHC	0.9	U	0.16	0.9	1.8	ug/Kg
76-44-8	Heptachlor	0.9	U	0.15	0.9	1.8	ug/Kg
309-00-2	Aldrin	0.9	U	0.11	0.9	1.8	ug/Kg
1024-57-3	Heptachlor epoxide	0.9	U	0.17	0.9	1.8	ug/Kg
959-98-8	Endosulfan I	0.9	U	0.16	0.9	1.8	ug/Kg
60-57-1	Dieldrin	0.9	U	0.14	0.9	1.8	ug/Kg
72-55-9	4,4-DDE	0.9	U	0.22	0.9	1.8	ug/Kg
72-20-8	Endrin	0.9	U	0.19	0.9	1.8	ug/Kg
33213-65-9	Endosulfan II	0.9	U	0.15	0.9	1.8	ug/Kg
72-54-8	4,4-DDD	0.9	U	0.18	0.9	1.8	ug/Kg
1031-07-8	Endosulfan Sulfate	0.9	U	0.16	0.9	1.8	ug/Kg
50-29-3	4,4-DDT	0.9	U	0.15	0.9	1.8	ug/Kg
72-43-5	Methoxychlor	71	EP	0.18	0.9	1.8	ug/Kg
53494-70-5	Endrin ketone	0.9	U	0.14	0.9	1.8	ug/Kg
7421-93-4	Endrin aldehyde	0.9	U	0.16	0.9	1.8	ug/Kg
5103-71-9	alpha-Chlordane	0.9	U	0.15	0.9	1.8	ug/Kg
5103-74-2	gamma-Chlordane	0.9	U	0.14	0.9	1.8	ug/Kg
8001-35-2	Toxaphene	9	U	3.7	9	18	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.9		10 - 169		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		31 - 151		90%	SPK: 20

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	7.9 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006067.D	1	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-03DL	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	7.9 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006069.D	5	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	4.6	UD	0.7	4.6	9.2	ug/Kg
319-85-7	beta-BHC	4.6	UD	0.97	4.6	9.2	ug/Kg
319-86-8	delta-BHC	4.6	UD	0.54	4.6	9.2	ug/Kg
58-89-9	gamma-BHC	4.6	UD	0.81	4.6	9.2	ug/Kg
76-44-8	Heptachlor	4.6	UD	0.76	4.6	9.2	ug/Kg
309-00-2	Aldrin	4.6	UD	0.54	4.6	9.2	ug/Kg
1024-57-3	Heptachlor epoxide	4.6	UD	0.87	4.6	9.2	ug/Kg
959-98-8	Endosulfan I	4.6	UD	0.81	4.6	9.2	ug/Kg
60-57-1	Dieldrin	4.6	UD	0.7	4.6	9.2	ug/Kg
72-55-9	4,4-DDE	4.6	UD	1.1	4.6	9.2	ug/Kg
72-20-8	Endrin	4.6	UD	0.97	4.6	9.2	ug/Kg
33213-65-9	Endosulfan II	4.6	UD	0.76	4.6	9.2	ug/Kg
72-54-8	4,4-DDD	4.6	UD	0.92	4.6	9.2	ug/Kg
1031-07-8	Endosulfan Sulfate	4.6	UD	0.81	4.6	9.2	ug/Kg
50-29-3	4,4-DDT	4.6	UD	0.76	4.6	9.2	ug/Kg
72-43-5	Methoxychlor	110	DP	0.92	4.6	9.2	ug/Kg
53494-70-5	Endrin ketone	4.6	UD	0.7	4.6	9.2	ug/Kg
7421-93-4	Endrin aldehyde	4.6	UD	0.81	4.6	9.2	ug/Kg
5103-71-9	alpha-Chlordane	4.6	UD	0.76	4.6	9.2	ug/Kg
5103-74-2	gamma-Chlordane	4.6	UD	0.7	4.6	9.2	ug/Kg
8001-35-2	Toxaphene	46	UD	18	46	92	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	14.8		10 - 169		74%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		31 - 151		87%	SPK: 20

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-03DL	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	7.9 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006069.D	5	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079281.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	180	U	19	180	360	ug/Kg
108-95-2	Phenol	180	U	8.3	180	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	17	180	360	ug/Kg
95-57-8	2-Chlorophenol	180	U	19	180	360	ug/Kg
95-48-7	2-Methylphenol	180	U	20	180	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	15	180	360	ug/Kg
98-86-2	Acetophenone	180	U	11	180	360	ug/Kg
65794-96-9	3+4-Methylphenols	180	U	19	180	360	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	180	U	18	180	360	ug/Kg
67-72-1	Hexachloroethane	180	U	16	180	360	ug/Kg
98-95-3	Nitrobenzene	180	U	14	180	360	ug/Kg
78-59-1	Isophorone	180	U	12	180	360	ug/Kg
88-75-5	2-Nitrophenol	180	U	17	180	360	ug/Kg
105-67-9	2,4-Dimethylphenol	180	U	20	180	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	21	180	360	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	14	180	360	ug/Kg
91-20-3	Naphthalene	900		12	180	360	ug/Kg
106-47-8	4-Chloroaniline	180	U	25	180	360	ug/Kg
87-68-3	Hexachlorobutadiene	180	U	13	180	360	ug/Kg
105-60-2	Caprolactam	180	U	17	180	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	180	U	16	180	360	ug/Kg
91-57-6	2-Methylnaphthalene	360		9.1	180	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	8.8	180	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	11	180	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	25	180	360	ug/Kg
92-52-4	1,1-Biphenyl	180	U	14	180	360	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	8.2	180	360	ug/Kg
88-74-4	2-Nitroaniline	180	U	16	180	360	ug/Kg
131-11-3	Dimethylphthalate	280	J	9.7	180	360	ug/Kg
208-96-8	Acenaphthylene	170	J	9.1	180	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	15	180	360	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079281.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	180	U	23	180	360	ug/Kg
83-32-9	Acenaphthene	760		10	180	360	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	37	180	360	ug/Kg
100-02-7	4-Nitrophenol	180	U	67	180	360	ug/Kg
132-64-9	Dibenzofuran	660		14	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	11	180	360	ug/Kg
84-66-2	Diethylphthalate	180	U	5.6	180	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	20	180	360	ug/Kg
86-73-7	Fluorene	630		14	180	360	ug/Kg
100-01-6	4-Nitroaniline	180	U	47	180	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	21	180	360	ug/Kg
86-30-6	N-Nitrosodiphenylamine	180	U	8.7	180	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	7	180	360	ug/Kg
118-74-1	Hexachlorobenzene	180	U	15	180	360	ug/Kg
1912-24-9	Atrazine	180	U	19	180	360	ug/Kg
87-86-5	Pentachlorophenol	180	U	25	180	360	ug/Kg
85-01-8	Phenanthrene	7000	E	9.7	180	360	ug/Kg
120-12-7	Anthracene	1600		7.4	180	360	ug/Kg
86-74-8	Carbazole	680		7.9	180	360	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	28	180	360	ug/Kg
206-44-0	Fluoranthene	7000	E	7.3	180	360	ug/Kg
129-00-0	Pyrene	6100	E	8.7	180	360	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	17	180	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	23	180	360	ug/Kg
56-55-3	Benzo(a)anthracene	2900	E	17	180	360	ug/Kg
218-01-9	Chrysene	2800		16	180	360	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	180	U	13	180	360	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	4.1	180	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	3000	E	12	180	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		17	180	360	ug/Kg
50-32-8	Benzo(a)pyrene	2700		7.8	180	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		12	180	360	ug/Kg
53-70-3	Dibenz(a,h)anthracene	360	J	10	180	360	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079281.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1500		15	180	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	14	180	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	14	180	360	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	119		28 - 127		79%	SPK: 150
13127-88-3	Phenol-d6	123		34 - 127		83%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.2		31 - 132		80%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		39 - 123		86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		30 - 133		78%	SPK: 150
1718-51-0	Terphenyl-d14	82.5		37 - 115		82%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79613	8.7				
1146-65-2	Naphthalene-d8	309868	10.86				
15067-26-2	Acenaphthene-d10	171102	13.81				
1517-22-2	Phenanthrene-d10	323920	16.27				
1719-03-5	Chrysene-d12	373484	20.71				
1520-96-3	Perylene-d12	344885	24.41				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1400	AB			5.96	ug/Kg
90-12-0	Naphthalene, 1-methyl-	320	J			12.23	ug/Kg
581-40-8	Naphthalene, 2,3-dimethyl-	270	J			13.24	ug/Kg
14562-09-5	2,4,6-Cycloheptatrien-1-one, 2-phe	290	J			14.98	ug/Kg
17861-18-6	Phenol, 3-(2-phenylethenyl)-, (E)-	270	J			15.83	ug/Kg
486-25-9	9H-Fluoren-9-one	510	J			15.95	ug/Kg
	unknown16.02	350	J			16.02	ug/Kg
132-65-0	Dibenzothiophene	460	J			16.1	ug/Kg
2531-84-2	Phenanthrene, 2-methyl-	900	J			17.1	ug/Kg
613-12-7	Anthracene, 2-methyl-	1200	J			17.15	ug/Kg
832-69-9	Phenanthrene, 1-methyl-	520	J			17.23	ug/Kg
203-64-5	4H-Cyclopenta[def]phenanthrene	1400	J			17.3	ug/Kg
832-64-4	Phenanthrene, 4-methyl-	500	J			17.33	ug/Kg
137235-51-9	1,2,4,8-Tetramethylbicyclo[6.3.0]u	640	J			17.58	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079281.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
84-65-1	9,10-Anthracenedione	570	J			17.62	ug/Kg
3674-66-6	Phenanthrene, 2,5-dimethyl-	580	J			18.01	ug/Kg
5737-13-3	Cyclopenta(def)phenanthrenone	580	J			18.15	ug/Kg
192-97-2	Benzo[e]pyrene	1900	J			24.07	ug/Kg
198-55-0	Perylene	520	J			24.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-03DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079294.D	5	09/19/12	09/21/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	900	UD	94	900	1800	ug/Kg
108-95-2	Phenol	900	UD	42	900	1800	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	900	UD	87	900	1800	ug/Kg
95-57-8	2-Chlorophenol	900	UD	95	900	1800	ug/Kg
95-48-7	2-Methylphenol	900	UD	98	900	1800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	900	UD	75	900	1800	ug/Kg
98-86-2	Acetophenone	900	UD	55	900	1800	ug/Kg
65794-96-9	3+4-Methylphenols	900	UD	94	900	1800	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	900	UD	91	900	1800	ug/Kg
67-72-1	Hexachloroethane	900	UD	81	900	1800	ug/Kg
98-95-3	Nitrobenzene	900	UD	68	900	1800	ug/Kg
78-59-1	Isophorone	900	UD	60	900	1800	ug/Kg
88-75-5	2-Nitrophenol	900	UD	87	900	1800	ug/Kg
105-67-9	2,4-Dimethylphenol	900	UD	100	900	1800	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900	UD	100	900	1800	ug/Kg
120-83-2	2,4-Dichlorophenol	900	UD	69	900	1800	ug/Kg
91-20-3	Naphthalene	970	JD	62	900	1800	ug/Kg
106-47-8	4-Chloroaniline	900	UD	130	900	1800	ug/Kg
87-68-3	Hexachlorobutadiene	900	UD	65	900	1800	ug/Kg
105-60-2	Caprolactam	900	UD	84	900	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	900	UD	80	900	1800	ug/Kg
91-57-6	2-Methylnaphthalene	900	UD	45	900	1800	ug/Kg
77-47-4	Hexachlorocyclopentadiene	900	UDQ	44	900	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	900	UD	55	900	1800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	900	UD	130	900	1800	ug/Kg
92-52-4	1,1-Biphenyl	900	UD	68	900	1800	ug/Kg
91-58-7	2-Chloronaphthalene	900	UD	41	900	1800	ug/Kg
88-74-4	2-Nitroaniline	900	UD	80	900	1800	ug/Kg
131-11-3	Dimethylphthalate	900	UD	49	900	1800	ug/Kg
208-96-8	Acenaphthylene	900	UD	45	900	1800	ug/Kg
606-20-2	2,6-Dinitrotoluene	900	UD	74	900	1800	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-03DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079294.D	5	09/19/12	09/21/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	900	UD	120	900	1800	ug/Kg
83-32-9	Acenaphthene	790	JD	51	900	1800	ug/Kg
51-28-5	2,4-Dinitrophenol	900	UD	180	900	1800	ug/Kg
100-02-7	4-Nitrophenol	900	UD	340	900	1800	ug/Kg
132-64-9	Dibenzofuran	900	UD	70	900	1800	ug/Kg
121-14-2	2,4-Dinitrotoluene	900	UD	55	900	1800	ug/Kg
84-66-2	Diethylphthalate	900	UD	28	900	1800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	900	UD	98	900	1800	ug/Kg
86-73-7	Fluorene	900	UD	68	900	1800	ug/Kg
100-01-6	4-Nitroaniline	900	UD	230	900	1800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	900	UD	100	900	1800	ug/Kg
86-30-6	N-Nitrosodiphenylamine	900	UD	43	900	1800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	900	UD	35	900	1800	ug/Kg
118-74-1	Hexachlorobenzene	900	UD	74	900	1800	ug/Kg
1912-24-9	Atrazine	900	UD	95	900	1800	ug/Kg
87-86-5	Pentachlorophenol	900	UD	120	900	1800	ug/Kg
85-01-8	Phenanthrene	7800	D	49	900	1800	ug/Kg
120-12-7	Anthracene	1600	JD	37	900	1800	ug/Kg
86-74-8	Carbazole	900	UD	40	900	1800	ug/Kg
84-74-2	Di-n-butylphthalate	900	UD	140	900	1800	ug/Kg
206-44-0	Fluoranthene	7800	D	36	900	1800	ug/Kg
129-00-0	Pyrene	6800	D	43	900	1800	ug/Kg
85-68-7	Butylbenzylphthalate	900	UD	87	900	1800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	900	UD	120	900	1800	ug/Kg
56-55-3	Benzo(a)anthracene	3000	D	86	900	1800	ug/Kg
218-01-9	Chrysene	2900	D	82	900	1800	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	900	UD	64	900	1800	ug/Kg
117-84-0	Di-n-octyl phthalate	900	UD	21	900	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	3200	D	59	900	1800	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100	JD	85	900	1800	ug/Kg
50-32-8	Benzo(a)pyrene	2700	D	39	900	1800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400	JD	60	900	1800	ug/Kg
53-70-3	Dibenz(a,h)anthracene	900	UD	52	900	1800	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-03DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079294.D	5	09/19/12	09/21/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1500	JD	73	900	1800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	900	UD	71	900	1800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	900	UD	71	900	1800	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	122		28 - 127		81%	SPK: 150
13127-88-3	Phenol-d6	126		34 - 127		84%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.5		31 - 132		77%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.8		39 - 123		90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		30 - 133		77%	SPK: 150
1718-51-0	Terphenyl-d14	86.7		37 - 115		87%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68452	8.69				
1146-65-2	Naphthalene-d8	276191	10.85				
15067-26-2	Acenaphthene-d10	164776	13.8				
1517-22-2	Phenanthrene-d10	326657	16.27				
1719-03-5	Chrysene-d12	372281	20.7				
1520-96-3	Perylene-d12	324207	24.4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035346.D	1		09/19/12	VF091912

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.35	U	0.61	2.35	4.7	ug/Kg
74-87-3	Chloromethane	2.35	U	0.81	2.35	4.7	ug/Kg
75-01-4	Vinyl Chloride	2.35	U	1.2	2.35	4.7	ug/Kg
74-83-9	Bromomethane	2.35	U	2.3	2.35	4.7	ug/Kg
75-00-3	Chloroethane	2.35	U	1.3	2.35	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	2.35	U	1.2	2.35	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.35	U	1.3	2.35	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	2.35	U	1.4	2.35	4.7	ug/Kg
67-64-1	Acetone	12	U	2.8	12	24	ug/Kg
75-15-0	Carbon Disulfide	2.35	U	1	2.35	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.35	U	0.9	2.35	4.7	ug/Kg
79-20-9	Methyl Acetate	2.35	U	1.4	2.35	4.7	ug/Kg
75-09-2	Methylene Chloride	2.35	U	1.3	2.35	4.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.35	U	0.65	2.35	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	2.35	U	0.88	2.35	4.7	ug/Kg
110-82-7	Cyclohexane	2.35	U	0.95	2.35	4.7	ug/Kg
78-93-3	2-Butanone	12	U	2.9	12	24	ug/Kg
56-23-5	Carbon Tetrachloride	2.35	U	0.93	2.35	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.35	U	0.84	2.35	4.7	ug/Kg
74-97-5	Bromochloromethane	2.35	U	0.74	2.35	4.7	ug/Kg
67-66-3	Chloroform	2.35	U	0.7	2.35	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.35	U	0.83	2.35	4.7	ug/Kg
108-87-2	Methylcyclohexane	2.35	U	1	2.35	4.7	ug/Kg
71-43-2	Benzene	2.35	U	0.36	2.35	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	2.35	U	0.6	2.35	4.7	ug/Kg
79-01-6	Trichloroethene	2.35	U	0.81	2.35	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	2.35	U	0.24	2.35	4.7	ug/Kg
75-27-4	Bromodichloromethane	2.35	U	0.58	2.35	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12	U	2.7	12	24	ug/Kg
108-88-3	Toluene	2.35	U	0.6	2.35	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.35	U	0.74	2.35	4.7	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035346.D	1		09/19/12	VF091912

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.35	U	0.68	2.35	4.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.35	U	0.85	2.35	4.7	ug/Kg
591-78-6	2-Hexanone	12	U	3.7	12	24	ug/Kg
124-48-1	Dibromochloromethane	2.35	U	0.51	2.35	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	2.35	U	0.6	2.35	4.7	ug/Kg
127-18-4	Tetrachloroethene	2.35	U	0.95	2.35	4.7	ug/Kg
108-90-7	Chlorobenzene	2.35	U	0.47	2.35	4.7	ug/Kg
100-41-4	Ethyl Benzene	2.35	U	0.58	2.35	4.7	ug/Kg
179601-23-1	m/p-Xylenes	4.7	U	0.68	4.7	9.4	ug/Kg
95-47-6	o-Xylene	2.35	U	0.64	2.35	4.7	ug/Kg
100-42-5	Styrene	2.35	U	0.42	2.35	4.7	ug/Kg
75-25-2	Bromoform	2.35	U	0.7	2.35	4.7	ug/Kg
98-82-8	Isopropylbenzene	2.35	U	0.45	2.35	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.35	U	0.43	2.35	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.35	U	0.35	2.35	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.35	U	0.39	2.35	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.35	U	0.58	2.35	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.35	U	0.82	2.35	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.35	U	0.66	2.35	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.35	U	0.47	2.35	4.7	ug/Kg
123-91-1	1,4-Dioxane	47	U	47	47	94	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.2		56 - 120		90%	SPK: 50
1868-53-7	Dibromofluoromethane	40.9		57 - 135		82%	SPK: 50
2037-26-5	Toluene-d8	42.6		67 - 123		85%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		33 - 141		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	83932	4.38				
540-36-3	1,4-Difluorobenzene	111581	5.12				
3114-55-4	Chlorobenzene-d5	105331	9.33				
3855-82-1	1,4-Dichlorobenzene-d4	69298	12.23				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035346.D	1		09/19/12	VF091912

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6760		1	0.66	1.96	3.92	mg/Kg	09/19/12	09/25/12	SW6010B
7440-36-0	Antimony	0.98	U	1	0.44	0.98	1.96	mg/Kg	09/19/12	09/25/12	SW6010B
7440-38-2	Arsenic	2.66		1	0.26	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-39-3	Barium	31.7		1	0.31	1.96	3.92	mg/Kg	09/19/12	09/25/12	SW6010B
7440-41-7	Beryllium	0.29		1	0.05	0.12	0.24	mg/Kg	09/19/12	09/25/12	SW6010B
7440-43-9	Cadmium	0.12	U	1	0.05	0.12	0.24	mg/Kg	09/19/12	09/25/12	SW6010B
7440-70-2	Calcium	859		1	0.84	39.2	78.4	mg/Kg	09/19/12	09/25/12	SW6010B
7440-47-3	Chromium	16.7		1	0.1	0.195	0.39	mg/Kg	09/19/12	09/25/12	SW6010B
7440-48-4	Cobalt	6.23		1	0.45	0.59	1.18	mg/Kg	09/19/12	09/25/12	SW6010B
7440-50-8	Copper	12.5		1	0.25	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7439-89-6	Iron	14800		1	1.04	1.96	3.92	mg/Kg	09/19/12	09/25/12	SW6010B
7439-92-1	Lead	5.42		1	0.09	0.235	0.47	mg/Kg	09/19/12	09/25/12	SW6010B
7439-95-4	Magnesium	2320		1	3.59	39.2	78.4	mg/Kg	09/19/12	09/25/12	SW6010B
7439-96-5	Manganese	271		1	0.15	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7439-97-6	Mercury	0.04		1	0.002	0.005	0.01	mg/Kg	09/20/12	09/21/12	SW7471A
7440-02-0	Nickel	15		1	0.36	0.785	1.57	mg/Kg	09/19/12	09/25/12	SW6010B
7440-09-7	Potassium	672		1	2.74	39.2	78.4	mg/Kg	09/19/12	09/25/12	SW6010B
7782-49-2	Selenium	1.74		1	0.32	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-22-4	Silver	0.5		1	0.12	0.195	0.39	mg/Kg	09/19/12	09/25/12	SW6010B
7440-23-5	Sodium	131		1	1.97	39.2	78.4	mg/Kg	09/19/12	09/25/12	SW6010B
7440-28-0	Thallium	0.48	J	1	0.21	0.785	1.57	mg/Kg	09/19/12	09/25/12	SW6010B
7440-62-2	Vanadium	17.1		1	0.46	0.785	1.57	mg/Kg	09/19/12	09/25/12	SW6010B
7440-66-6	Zinc	41.9		1	0.55	0.785	1.57	mg/Kg	09/19/12	09/25/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	13
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058747.D	1	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	190	U	20	190	380	ug/Kg
108-95-2	Phenol	190	U	8.8	190	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	18	190	380	ug/Kg
95-57-8	2-Chlorophenol	190	U	20	190	380	ug/Kg
95-48-7	2-Methylphenol	190	U	21	190	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	16	190	380	ug/Kg
98-86-2	Acetophenone	190	U	12	190	380	ug/Kg
65794-96-9	3+4-Methylphenols	190	U	20	190	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	190	U	19	190	380	ug/Kg
67-72-1	Hexachloroethane	190	U	17	190	380	ug/Kg
98-95-3	Nitrobenzene	190	U	14	190	380	ug/Kg
78-59-1	Isophorone	190	U	13	190	380	ug/Kg
88-75-5	2-Nitrophenol	190	U	18	190	380	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	22	190	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	22	190	380	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	15	190	380	ug/Kg
91-20-3	Naphthalene	190	U	13	190	380	ug/Kg
106-47-8	4-Chloroaniline	190	U	27	190	380	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	14	190	380	ug/Kg
105-60-2	Caprolactam	190	U	18	190	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	17	190	380	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	9.7	190	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	UQ	9.3	190	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	12	190	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	27	190	380	ug/Kg
92-52-4	1,1-Biphenyl	190	U	14	190	380	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	8.7	190	380	ug/Kg
88-74-4	2-Nitroaniline	190	U	17	190	380	ug/Kg
131-11-3	Dimethylphthalate	360	J	10	190	380	ug/Kg
208-96-8	Acenaphthylene	190	U	9.7	190	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	16	190	380	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	13
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058747.D	1	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	190	U	25	190	380	ug/Kg
83-32-9	Acenaphthene	190	U	11	190	380	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	39	190	380	ug/Kg
100-02-7	4-Nitrophenol	190	U	71	190	380	ug/Kg
132-64-9	Dibenzofuran	190	U	15	190	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	12	190	380	ug/Kg
84-66-2	Diethylphthalate	190	U	6	190	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	21	190	380	ug/Kg
86-73-7	Fluorene	190	U	14	190	380	ug/Kg
100-01-6	4-Nitroaniline	190	U	50	190	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	22	190	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	190	U	9.2	190	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	7.5	190	380	ug/Kg
118-74-1	Hexachlorobenzene	190	U	16	190	380	ug/Kg
1912-24-9	Atrazine	190	U	20	190	380	ug/Kg
87-86-5	Pentachlorophenol	190	U	26	190	380	ug/Kg
85-01-8	Phenanthrene	190	U	10	190	380	ug/Kg
120-12-7	Anthracene	190	U	7.8	190	380	ug/Kg
86-74-8	Carbazole	190	U	8.4	190	380	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	30	190	380	ug/Kg
206-44-0	Fluoranthene	190	U	7.7	190	380	ug/Kg
129-00-0	Pyrene	190	U	9.2	190	380	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	18	190	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	25	190	380	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	18	190	380	ug/Kg
218-01-9	Chrysene	190	U	17	190	380	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	190	U	14	190	380	ug/Kg
117-84-0	Di-n-octyl phthalate	190	U	4.4	190	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	13	190	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	U	18	190	380	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	8.3	190	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	13	190	380	ug/Kg
53-70-3	Dibenz(a,h)anthracene	190	U	11	190	380	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	13
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058747.D	1	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	190	U	16	190	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	15	190	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	15	190	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	113		28 - 127		75%	SPK: 150
13127-88-3	Phenol-d6	118		34 - 127		79%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.9		31 - 132		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.9		39 - 123		85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 - 133		81%	SPK: 150
1718-51-0	Terphenyl-d14	81.4		37 - 115		81%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	148922	4.79				
1146-65-2	Naphthalene-d8	506440	6.29				
15067-26-2	Acenaphthene-d10	246145	8.04				
1517-22-2	Phenanthrene-d10	391409	9.91				
1719-03-5	Chrysene-d12	332230	13.92				
1520-96-3	Perylene-d12	295874	16.02				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1800	J			2.82	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035334.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.9	U	0.75	2.9	5.8	ug/Kg
74-87-3	Chloromethane	2.9	U	1	2.9	5.8	ug/Kg
75-01-4	Vinyl Chloride	2.9	U	1.4	2.9	5.8	ug/Kg
74-83-9	Bromomethane	2.9	U	2.8	2.9	5.8	ug/Kg
75-00-3	Chloroethane	2.9	U	1.6	2.9	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	2.9	U	1.5	2.9	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.9	U	1.5	2.9	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	2.9	U	1.7	2.9	5.8	ug/Kg
67-64-1	Acetone	14.5	U	3.5	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.9	U	1.2	2.9	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.9	U	1.1	2.9	5.8	ug/Kg
79-20-9	Methyl Acetate	2.9	U	1.7	2.9	5.8	ug/Kg
75-09-2	Methylene Chloride	2.9	U	1.6	2.9	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.9	U	0.8	2.9	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	2.9	U	1.1	2.9	5.8	ug/Kg
110-82-7	Cyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
78-93-3	2-Butanone	14.5	U	3.6	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.9	UQ	1.1	2.9	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.9	U	1	2.9	5.8	ug/Kg
74-97-5	Bromochloromethane	2.9	U	0.92	2.9	5.8	ug/Kg
67-66-3	Chloroform	2.9	U	0.86	2.9	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.9	U	1	2.9	5.8	ug/Kg
108-87-2	Methylcyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
71-43-2	Benzene	2.9	U	0.44	2.9	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	2.9	U	0.74	2.9	5.8	ug/Kg
79-01-6	Trichloroethene	2.9	U	1	2.9	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	2.9	U	0.3	2.9	5.8	ug/Kg
75-27-4	Bromodichloromethane	2.9	U	0.72	2.9	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.4	14.5	29	ug/Kg
108-88-3	Toluene	2.9	U	0.74	2.9	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.9	U	0.92	2.9	5.8	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035334.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.9	U	0.83	2.9	5.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.9	U	1	2.9	5.8	ug/Kg
591-78-6	2-Hexanone	14.5	U	4.5	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.9	U	0.63	2.9	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	2.9	U	0.74	2.9	5.8	ug/Kg
127-18-4	Tetrachloroethene	2.9	U	1.2	2.9	5.8	ug/Kg
108-90-7	Chlorobenzene	2.9	U	0.58	2.9	5.8	ug/Kg
100-41-4	Ethyl Benzene	2.9	U	0.72	2.9	5.8	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.83	6	12	ug/Kg
95-47-6	o-Xylene	2.9	U	0.79	2.9	5.8	ug/Kg
100-42-5	Styrene	2.9	U	0.52	2.9	5.8	ug/Kg
75-25-2	Bromoform	2.9	U	0.86	2.9	5.8	ug/Kg
98-82-8	Isopropylbenzene	2.9	U	0.56	2.9	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.9	U	0.53	2.9	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.9	U	0.43	2.9	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.9	U	0.48	2.9	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.9	U	0.72	2.9	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.9	U	1	2.9	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.9	U	0.81	2.9	5.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.9	U	0.58	2.9	5.8	ug/Kg
123-91-1	1,4-Dioxane	60	U	58	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.8		56 - 120		106%	SPK: 50
1868-53-7	Dibromofluoromethane	56		57 - 135		112%	SPK: 50
2037-26-5	Toluene-d8	49.7		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		33 - 141		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	85310	4.4				
540-36-3	1,4-Difluorobenzene	106537	5.14				
3114-55-4	Chlorobenzene-d5	105421	9.35				
3855-82-1	1,4-Dichlorobenzene-d4	63794	12.25				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035334.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8151A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE005942.D	1	09/19/12	09/25/12	PB65819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	1	U	0.163	1	2	ug/L
120-36-5	DICHLORPROP	1	U	0.263	1	2	ug/L
94-75-7	2,4-D	1	U	0.348	1	2	ug/L
93-72-1	2,4,5-TP (SILVEX)	1	U	0.151	1	2	ug/L
93-76-5	2,4,5-T	1	U	0.172	1	2	ug/L
94-82-6	2,4-DB	1	U	0.631	1	2	ug/L
88-85-7	DINOSEB	1	U	0.179	1	2	ug/L
SURROGATES							
19719-28-9	2,4-DCAA	260		43 - 172		52%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	1310		1	6.5	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-36-0	Antimony	12.5	U	1	8	12.5	25	ug/L	09/19/12	09/24/12	SW6010B
7440-38-2	Arsenic	8.18	J	1	4.2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-39-3	Barium	563		1	4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-41-7	Beryllium	1.5	U	1	0.7	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-43-9	Cadmium	1.5	U	1	0.5	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-70-2	Calcium	178000		1	31.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-47-3	Chromium	6.86		1	1.1	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-48-4	Cobalt	7.5	U	1	5.8	7.5	15	ug/L	09/19/12	09/24/12	SW6010B
7440-50-8	Copper	10.1		1	2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-89-6	Iron	13200		1	20.4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7439-92-1	Lead	15.3		1	2.6	3	6	ug/L	09/19/12	09/24/12	SW6010B
7439-95-4	Magnesium	43000		1	32.5	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7439-96-5	Manganese	3140		1	1.7	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-97-6	Mercury	0.105	J	1	0.091	0.1	0.2	ug/L	09/19/12	09/20/12	SW7470A
7440-02-0	Nickel	16.4	J	1	4.2	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-09-7	Potassium	50800		1	38.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7782-49-2	Selenium	5	U	1	4.8	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-22-4	Silver	2.5	U	1	1.5	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-23-5	Sodium	707000		1	13.9	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-28-0	Thallium	10	U	1	2.4	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-62-2	Vanadium	10	U	1	6.1	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-66-6	Zinc	60.6		1	6.5	10	20	ug/L	09/19/12	09/24/12	SW6010B

Color Before:	Brown	Clarity Before:	Cloudy	Texture:	
Color After:	Yellow	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC010480.D	1	09/19/12	09/21/12	PB65813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.7		35 - 137		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		40 - 135		92%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006038.D	1	09/19/12	09/18/12	PB65814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0051	0.025	0.05	ug/L
319-85-7	beta-BHC	0.025	U	0.0086	0.025	0.05	ug/L
319-86-8	delta-BHC	0.025	U	0.0056	0.025	0.05	ug/L
58-89-9	gamma-BHC	0.025	U	0.0055	0.025	0.05	ug/L
76-44-8	Heptachlor	0.025	U	0.0069	0.025	0.05	ug/L
309-00-2	Aldrin	0.025	U	0.0062	0.025	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0067	0.025	0.05	ug/L
959-98-8	Endosulfan I	0.025	U	0.0061	0.025	0.05	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.05	ug/L
72-55-9	4,4-DDE	0.025	U	0.004	0.025	0.05	ug/L
72-20-8	Endrin	0.025	U	0.0058	0.025	0.05	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0055	0.025	0.05	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.006	0.025	0.05	ug/L
50-29-3	4,4-DDT	0.025	U	0.0059	0.025	0.05	ug/L
72-43-5	Methoxychlor	0.025	U	0.0042	0.025	0.05	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0057	0.025	0.05	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0045	0.025	0.05	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0049	0.025	0.05	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.005	0.025	0.05	ug/L
8001-35-2	Toxaphene	0.25	U	0.1	0.25	0.5	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	13.7		10 - 192		69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		10 - 172		92%	SPK: 20

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006038.D	1	09/19/12	09/18/12	PB65814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058738.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	5	U	0.78	5	10	ug/L
108-95-2	Phenol	5	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	5	U	0.56	5	10	ug/L
95-57-8	2-Chlorophenol	5	U	0.55	5	10	ug/L
95-48-7	2-Methylphenol	5	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5	U	0.17	5	10	ug/L
98-86-2	Acetophenone	5	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	5	U	0.38	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	5	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	5	U	0.25	5	10	ug/L
98-95-3	Nitrobenzene	5	U	0.69	5	10	ug/L
78-59-1	Isophorone	5	U	0.3	5	10	ug/L
88-75-5	2-Nitrophenol	5	U	0.53	5	10	ug/L
105-67-9	2,4-Dimethylphenol	5	U	0.72	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5	U	0.56	5	10	ug/L
120-83-2	2,4-Dichlorophenol	5	U	0.67	5	10	ug/L
91-20-3	Naphthalene	5	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	5	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	5	U	0.25	5	10	ug/L
105-60-2	Caprolactam	5	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	5	U	0.4	5	10	ug/L
91-57-6	2-Methylnaphthalene	5	U	0.32	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	5	U	0.57	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	5	U	0.4	5	10	ug/L
92-52-4	1,1-Biphenyl	5	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	5	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	5	U	0.49	5	10	ug/L
131-11-3	Dimethylphthalate	5	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	5	U	0.71	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	5	U	0.32	5	10	ug/L

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058738.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	5	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	5	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	5	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	5	U	1	5	10	ug/L
84-66-2	Diethylphthalate	5	U	0.38	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5	U	0.21	5	10	ug/L
86-73-7	Fluorene	5	U	0.31	5	10	ug/L
100-01-6	4-Nitroaniline	5	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	5	U	0.75	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	5	U	0.61	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	5	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	5	U	0.18	5	10	ug/L
1912-24-9	Atrazine	5	U	0.4	5	10	ug/L
87-86-5	Pentachlorophenol	5	U	1.7	5	10	ug/L
85-01-8	Phenanthrene	5	U	0.26	5	10	ug/L
120-12-7	Anthracene	5	U	0.16	5	10	ug/L
86-74-8	Carbazole	5	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	5	U	2	5	10	ug/L
206-44-0	Fluoranthene	5	U	0.4	5	10	ug/L
129-00-0	Pyrene	5	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	5	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	5	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	5	U	0.16	5	10	ug/L
218-01-9	Chrysene	5	U	0.18	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	5	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	5	U	0.52	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	5	U	0.29	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	5	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	5	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	5	U	0.42	5	10	ug/L

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058738.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5	U	0.29	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5	U	0.2	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5	U	0.2	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	58.2		10 - 130		39%	SPK: 150
13127-88-3	Phenol-d6	37.1		10 - 130		25%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.7		36 - 131		89%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.6		39 - 131		98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		25 - 155		86%	SPK: 150
1718-51-0	Terphenyl-d14	92.2		23 - 130		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	137767	4.79				
1146-65-2	Naphthalene-d8	488800	6.29				
15067-26-2	Acenaphthene-d10	236447	8.04				
1517-22-2	Phenanthrene-d10	385993	9.91				
1719-03-5	Chrysene-d12	284162	13.93				
1520-96-3	Perylene-d12	249559	16.02				
TENTATIVE IDENTIFIED COMPOUNDS							
111-13-7	2-Octanone	3.0	J			1.9	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	17	JB			2.81	ug/L
111-76-2	Ethanol, 2-butoxy-	3.5	J			3.54	ug/L
10544-50-0	Cyclic octaatomic sulfur	5.8	J			11.7	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049327.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.5	U	0.55	2.5	5	ug/L
74-87-3	Chloromethane	2.5	U	0.54	2.5	5	ug/L
75-01-4	Vinyl Chloride	2.5	U	0.34	2.5	5	ug/L
74-83-9	Bromomethane	2.5	U	0.62	2.5	5	ug/L
75-00-3	Chloroethane	2.5	U	0.66	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	2.5	U	0.35	2.5	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	U	0.45	2.5	5	ug/L
75-35-4	1,1-Dichloroethene	2.5	U	0.47	2.5	5	ug/L
67-64-1	Acetone	12.5	U	2.8	12.5	25	ug/L
75-15-0	Carbon Disulfide	2.5	U	0.54	2.5	5	ug/L
1634-04-4	Methyl tert-butyl Ether	2.5	U	0.35	2.5	5	ug/L
79-20-9	Methyl Acetate	2.5	U	0.83	2.5	5	ug/L
75-09-2	Methylene Chloride	2.5	U	0.41	2.5	5	ug/L
156-60-5	trans-1,2-Dichloroethene	2.5	U	0.41	2.5	5	ug/L
75-34-3	1,1-Dichloroethane	2.5	U	0.36	2.5	5	ug/L
110-82-7	Cyclohexane	2.5	U	0.55	2.5	5	ug/L
78-93-3	2-Butanone	12.5	U	1.3	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	2.5	U	0.62	2.5	5	ug/L
156-59-2	cis-1,2-Dichloroethene	2.5	U	0.35	2.5	5	ug/L
74-97-5	Bromochloromethane	2.5	UQ	2.2	2.5	5	ug/L
67-66-3	Chloroform	2.5	U	0.34	2.5	5	ug/L
71-55-6	1,1,1-Trichloroethane	2.5	U	0.4	2.5	5	ug/L
108-87-2	Methylcyclohexane	2.5	U	0.68	2.5	5	ug/L
71-43-2	Benzene	2.5	U	0.32	2.5	5	ug/L
107-06-2	1,2-Dichloroethane	2.5	U	0.48	2.5	5	ug/L
79-01-6	Trichloroethene	2.5	U	0.28	2.5	5	ug/L
78-87-5	1,2-Dichloropropane	2.5	U	0.46	2.5	5	ug/L
75-27-4	Bromodichloromethane	2.5	U	0.36	2.5	5	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	U	2.1	12.5	25	ug/L
108-88-3	Toluene	2.5	U	0.37	2.5	5	ug/L
10061-02-6	t-1,3-Dichloropropene	2.5	U	0.29	2.5	5	ug/L

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049327.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.5	U	0.31	2.5	5	ug/L
79-00-5	1,1,2-Trichloroethane	2.5	U	0.38	2.5	5	ug/L
591-78-6	2-Hexanone	12.5	U	1.9	12.5	25	ug/L
124-48-1	Dibromochloromethane	2.5	U	0.52	2.5	5	ug/L
106-93-4	1,2-Dibromoethane	2.5	U	0.41	2.5	5	ug/L
127-18-4	Tetrachloroethene	2.5	U	0.27	2.5	5	ug/L
108-90-7	Chlorobenzene	2.5	U	0.49	2.5	5	ug/L
100-41-4	Ethyl Benzene	2.5	U	0.53	2.5	5	ug/L
179601-23-1	m/p-Xylenes	5	U	0.95	5	10	ug/L
95-47-6	o-Xylene	2.5	U	0.43	2.5	5	ug/L
100-42-5	Styrene	2.5	U	0.36	2.5	5	ug/L
75-25-2	Bromoform	2.5	U	0.47	2.5	5	ug/L
98-82-8	Isopropylbenzene	2.5	U	0.45	2.5	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	0.31	2.5	5	ug/L
541-73-1	1,3-Dichlorobenzene	2.5	U	0.43	2.5	5	ug/L
106-46-7	1,4-Dichlorobenzene	2.5	U	0.32	2.5	5	ug/L
95-50-1	1,2-Dichlorobenzene	2.5	U	0.45	2.5	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	0.46	2.5	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.5	U	0.62	2.5	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.5	U	0.65	2.5	5	ug/L
123-91-1	1,4-Dioxane	50	U	50	50	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	64.2		61 - 141		128%	SPK: 50
1868-53-7	Dibromofluoromethane	52		69 - 133		104%	SPK: 50
2037-26-5	Toluene-d8	52.8		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		58 - 135		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	183301	4.92				
540-36-3	1,4-Difluorobenzene	322749	5.64				
3114-55-4	Chlorobenzene-d5	323998	9.78				
3855-82-1	1,4-Dichlorobenzene-d4	182720	12.52				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049327.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8151A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE005943.D	1	09/19/12	09/25/12	PB65819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	1	U	0.163	1	2	ug/L
120-36-5	DICHLORPROP	1	U	0.263	1	2	ug/L
94-75-7	2,4-D	1	U	0.348	1	2	ug/L
93-72-1	2,4,5-TP (SILVEX)	1	U	0.151	1	2	ug/L
93-76-5	2,4,5-T	1	U	0.172	1	2	ug/L
94-82-6	2,4-DB	1	U	0.631	1	2	ug/L
88-85-7	DINOSEB	1	U	0.179	1	2	ug/L
SURROGATES							
19719-28-9	2,4-DCAA	372		43 - 172		75%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	1510		1	6.5	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-36-0	Antimony	12.5	U	1	8	12.5	25	ug/L	09/19/12	09/24/12	SW6010B
7440-38-2	Arsenic	13.9		1	4.2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-39-3	Barium	208		1	4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-41-7	Beryllium	1.5	U	1	0.7	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-43-9	Cadmium	1.5	U	1	0.5	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-70-2	Calcium	111000		1	31.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-47-3	Chromium	3.38	J	1	1.1	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-48-4	Cobalt	7.5	U	1	5.8	7.5	15	ug/L	09/19/12	09/24/12	SW6010B
7440-50-8	Copper	6.91	J	1	2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-89-6	Iron	13300		1	20.4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7439-92-1	Lead	20.4		1	2.6	3	6	ug/L	09/19/12	09/24/12	SW6010B
7439-95-4	Magnesium	25400		1	32.5	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7439-96-5	Manganese	3810		1	1.7	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-97-6	Mercury	0.1	U	1	0.091	0.1	0.2	ug/L	09/19/12	09/20/12	SW7470A
7440-02-0	Nickel	6.3	J	1	4.2	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-09-7	Potassium	39100		1	38.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7782-49-2	Selenium	5	U	1	4.8	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-22-4	Silver	2.5	U	1	1.5	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-23-5	Sodium	187000		1	13.9	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-28-0	Thallium	10	U	1	2.4	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-62-2	Vanadium	10	U	1	6.1	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-66-6	Zinc	31.9		1	6.5	10	20	ug/L	09/19/12	09/24/12	SW6010B

Color Before:	Brown	Clarity Before:	Cloudy	Texture:	
Color After:	Yellow	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC010481.D	1	09/19/12	09/21/12	PB65813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.6		35 - 137		93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		40 - 135		93%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006039.D	1	09/19/12	09/18/12	PB65814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0051	0.025	0.05	ug/L
319-85-7	beta-BHC	0.025	U	0.0086	0.025	0.05	ug/L
319-86-8	delta-BHC	0.025	U	0.0056	0.025	0.05	ug/L
58-89-9	gamma-BHC	0.025	U	0.0055	0.025	0.05	ug/L
76-44-8	Heptachlor	0.025	U	0.0069	0.025	0.05	ug/L
309-00-2	Aldrin	0.025	U	0.0062	0.025	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0067	0.025	0.05	ug/L
959-98-8	Endosulfan I	0.025	U	0.0061	0.025	0.05	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.05	ug/L
72-55-9	4,4-DDE	0.025	U	0.004	0.025	0.05	ug/L
72-20-8	Endrin	0.025	U	0.0058	0.025	0.05	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0055	0.025	0.05	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.006	0.025	0.05	ug/L
50-29-3	4,4-DDT	0.025	U	0.0059	0.025	0.05	ug/L
72-43-5	Methoxychlor	0.025	U	0.0042	0.025	0.05	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0057	0.025	0.05	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0045	0.025	0.05	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0049	0.025	0.05	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.005	0.025	0.05	ug/L
8001-35-2	Toxaphene	0.25	U	0.1	0.25	0.5	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	13.2		10 - 192		66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		10 - 172		89%	SPK: 20

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006039.D	1	09/19/12	09/18/12	PB65814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058739.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	5	U	0.77	5	10	ug/L
108-95-2	Phenol	5	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	5	U	0.55	5	10	ug/L
95-57-8	2-Chlorophenol	5	U	0.54	5	10	ug/L
95-48-7	2-Methylphenol	5	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5	U	0.17	5	10	ug/L
98-86-2	Acetophenone	5	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	5	U	0.38	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	5	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	5	U	0.25	5	10	ug/L
98-95-3	Nitrobenzene	5	U	0.68	5	10	ug/L
78-59-1	Isophorone	5	U	0.3	5	10	ug/L
88-75-5	2-Nitrophenol	5	U	0.52	5	10	ug/L
105-67-9	2,4-Dimethylphenol	5	U	0.71	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5	U	0.55	5	10	ug/L
120-83-2	2,4-Dichlorophenol	5	U	0.66	5	10	ug/L
91-20-3	Naphthalene	5	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	5	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	5	U	0.25	5	10	ug/L
105-60-2	Caprolactam	5	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	5	U	0.4	5	10	ug/L
91-57-6	2-Methylnaphthalene	5	U	0.32	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	5	U	0.56	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	5	U	0.4	5	10	ug/L
92-52-4	1,1-Biphenyl	5	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	5	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	5	U	0.49	5	10	ug/L
131-11-3	Dimethylphthalate	5	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	5	U	0.7	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	5	U	0.32	5	10	ug/L

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058739.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	5	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	5	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	5	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	5	U	1	5	10	ug/L
84-66-2	Diethylphthalate	5	U	0.38	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5	U	0.21	5	10	ug/L
86-73-7	Fluorene	5	U	0.31	5	10	ug/L
100-01-6	4-Nitroaniline	5	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	5	U	0.74	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	5	U	0.6	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	5	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	5	U	0.18	5	10	ug/L
1912-24-9	Atrazine	5	U	0.4	5	10	ug/L
87-86-5	Pentachlorophenol	5	U	1.7	5	10	ug/L
85-01-8	Phenanthrene	5	U	0.26	5	10	ug/L
120-12-7	Anthracene	5	U	0.16	5	10	ug/L
86-74-8	Carbazole	5	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	5	U	2	5	10	ug/L
206-44-0	Fluoranthene	5	U	0.4	5	10	ug/L
129-00-0	Pyrene	5	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	5	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	5	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	5	U	0.16	5	10	ug/L
218-01-9	Chrysene	5	U	0.18	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	5	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	5	U	0.51	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	5	U	0.29	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	5	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	5	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	5	U	0.42	5	10	ug/L

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058739.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5	U	0.29	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5	U	0.2	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5	U	0.2	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	51.9		10 - 130		35%	SPK: 150
13127-88-3	Phenol-d6	32.3		10 - 130		22%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.9		36 - 131		88%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.2		39 - 131		97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		25 - 155		86%	SPK: 150
1718-51-0	Terphenyl-d14	92		23 - 130		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	141161	4.79				
1146-65-2	Naphthalene-d8	489761	6.29				
15067-26-2	Acenaphthene-d10	236438	8.04				
1517-22-2	Phenanthrene-d10	381411	9.91				
1719-03-5	Chrysene-d12	291406	13.93				
1520-96-3	Perylene-d12	249548	16.02				
TENTATIVE IDENTIFIED COMPOUNDS							
110-12-3	2-Hexanone, 5-methyl-	2.8	J			1.9	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	16	JB			2.81	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049328.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.5	U	0.55	2.5	5	ug/L
74-87-3	Chloromethane	2.5	U	0.54	2.5	5	ug/L
75-01-4	Vinyl Chloride	2.5	U	0.34	2.5	5	ug/L
74-83-9	Bromomethane	2.5	U	0.62	2.5	5	ug/L
75-00-3	Chloroethane	2.5	U	0.66	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	2.5	U	0.35	2.5	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	U	0.45	2.5	5	ug/L
75-35-4	1,1-Dichloroethene	2.5	U	0.47	2.5	5	ug/L
67-64-1	Acetone	12.5	U	2.8	12.5	25	ug/L
75-15-0	Carbon Disulfide	2.5	U	0.54	2.5	5	ug/L
1634-04-4	Methyl tert-butyl Ether	2.5	U	0.35	2.5	5	ug/L
79-20-9	Methyl Acetate	2.5	U	0.83	2.5	5	ug/L
75-09-2	Methylene Chloride	2.5	U	0.41	2.5	5	ug/L
156-60-5	trans-1,2-Dichloroethene	2.5	U	0.41	2.5	5	ug/L
75-34-3	1,1-Dichloroethane	2.5	U	0.36	2.5	5	ug/L
110-82-7	Cyclohexane	2.5	U	0.55	2.5	5	ug/L
78-93-3	2-Butanone	12.5	U	1.3	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	2.5	U	0.62	2.5	5	ug/L
156-59-2	cis-1,2-Dichloroethene	2.5	U	0.35	2.5	5	ug/L
74-97-5	Bromochloromethane	2.5	UQ	2.2	2.5	5	ug/L
67-66-3	Chloroform	2.5	U	0.34	2.5	5	ug/L
71-55-6	1,1,1-Trichloroethane	2.5	U	0.4	2.5	5	ug/L
108-87-2	Methylcyclohexane	2.5	U	0.68	2.5	5	ug/L
71-43-2	Benzene	2.5	U	0.32	2.5	5	ug/L
107-06-2	1,2-Dichloroethane	2.5	U	0.48	2.5	5	ug/L
79-01-6	Trichloroethene	2.5	U	0.28	2.5	5	ug/L
78-87-5	1,2-Dichloropropane	2.5	U	0.46	2.5	5	ug/L
75-27-4	Bromodichloromethane	2.5	U	0.36	2.5	5	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	U	2.1	12.5	25	ug/L
108-88-3	Toluene	2.5	U	0.37	2.5	5	ug/L
10061-02-6	t-1,3-Dichloropropene	2.5	U	0.29	2.5	5	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049328.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.5	U	0.31	2.5	5	ug/L
79-00-5	1,1,2-Trichloroethane	2.5	U	0.38	2.5	5	ug/L
591-78-6	2-Hexanone	12.5	U	1.9	12.5	25	ug/L
124-48-1	Dibromochloromethane	2.5	U	0.52	2.5	5	ug/L
106-93-4	1,2-Dibromoethane	2.5	U	0.41	2.5	5	ug/L
127-18-4	Tetrachloroethene	2.5	U	0.27	2.5	5	ug/L
108-90-7	Chlorobenzene	2.5	U	0.49	2.5	5	ug/L
100-41-4	Ethyl Benzene	2.5	U	0.53	2.5	5	ug/L
179601-23-1	m/p-Xylenes	5	U	0.95	5	10	ug/L
95-47-6	o-Xylene	2.5	U	0.43	2.5	5	ug/L
100-42-5	Styrene	2.5	U	0.36	2.5	5	ug/L
75-25-2	Bromoform	2.5	U	0.47	2.5	5	ug/L
98-82-8	Isopropylbenzene	2.5	U	0.45	2.5	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	0.31	2.5	5	ug/L
541-73-1	1,3-Dichlorobenzene	2.5	U	0.43	2.5	5	ug/L
106-46-7	1,4-Dichlorobenzene	2.5	U	0.32	2.5	5	ug/L
95-50-1	1,2-Dichlorobenzene	2.5	U	0.45	2.5	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	0.46	2.5	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.5	U	0.62	2.5	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.5	U	0.65	2.5	5	ug/L
123-91-1	1,4-Dioxane	50	U	50	50	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.5		61 - 141		121%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	52.6		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50		58 - 135		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	177913	4.92				
540-36-3	1,4-Difluorobenzene	324353	5.64				
3114-55-4	Chlorobenzene-d5	312693	9.77				
3855-82-1	1,4-Dichlorobenzene-d4	173611	12.52				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049328.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-07	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	121		1	6.5	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-36-0	Antimony	12.5	U	1	8	12.5	25	ug/L	09/19/12	09/24/12	SW6010B
7440-38-2	Arsenic	7.93	J	1	4.2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-39-3	Barium	541		1	4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-41-7	Beryllium	1.5	U	1	0.7	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-43-9	Cadmium	1.5	U	1	0.5	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-70-2	Calcium	192000		1	31.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-47-3	Chromium	2.5	U	1	1.1	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-48-4	Cobalt	7.5	U	1	5.8	7.5	15	ug/L	09/19/12	09/24/12	SW6010B
7440-50-8	Copper	3.2	J	1	2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-89-6	Iron	8270		1	20.4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7439-92-1	Lead	4.64	J	1	2.6	3	6	ug/L	09/19/12	09/24/12	SW6010B
7439-95-4	Magnesium	47000		1	32.5	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7439-96-5	Manganese	3400		1	1.7	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-97-6	Mercury	0.1	U	1	0.091	0.1	0.2	ug/L	09/19/12	09/20/12	SW7470A
7440-02-0	Nickel	6.29	J	1	4.2	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-09-7	Potassium	55400		1	38.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7782-49-2	Selenium	5	U	1	4.8	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-22-4	Silver	2.5	U	1	1.5	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-23-5	Sodium	696000		1	13.9	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-28-0	Thallium	10	U	1	2.4	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-62-2	Vanadium	10	U	1	6.1	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-66-6	Zinc	22.9		1	6.5	10	20	ug/L	09/19/12	09/24/12	SW6010B

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	DISSOLVED METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-08	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	92		1	6.5	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-36-0	Antimony	12.5	U	1	8	12.5	25	ug/L	09/19/12	09/24/12	SW6010B
7440-38-2	Arsenic	15		1	4.2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-39-3	Barium	231		1	4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-41-7	Beryllium	1.5	U	1	0.7	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-43-9	Cadmium	1.5	U	1	0.5	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-70-2	Calcium	137000		1	31.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-47-3	Chromium	2.5	U	1	1.1	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-48-4	Cobalt	7.5	U	1	5.8	7.5	15	ug/L	09/19/12	09/24/12	SW6010B
7440-50-8	Copper	2.06	J	1	2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-89-6	Iron	13700		1	20.4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7439-92-1	Lead	5.61	J	1	2.6	3	6	ug/L	09/19/12	09/24/12	SW6010B
7439-95-4	Magnesium	31900		1	32.5	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7439-96-5	Manganese	4680		1	1.7	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-97-6	Mercury	0.1	U	1	0.091	0.1	0.2	ug/L	09/19/12	09/20/12	SW7470A
7440-02-0	Nickel	10	U	1	4.2	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-09-7	Potassium	49100		1	38.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7782-49-2	Selenium	5	U	1	4.8	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-22-4	Silver	2.5	U	1	1.5	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-23-5	Sodium	232000		1	13.9	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-28-0	Thallium	10	U	1	2.4	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-62-2	Vanadium	10	U	1	6.1	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-66-6	Zinc	11.8	J	1	6.5	10	20	ug/L	09/19/12	09/24/12	SW6010B

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	DISSOLVED METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
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OR = Over Range
N =Spiked sample recovery not within control limits

PHASE I ENVIRONMENTAL SITE ASSESSMENT

West & Leroy Street

NEW YORK, NEW YORK

Prepared For:

AP-ISC Leroy, LLC
c/o Gorton & Partners, LLC
21 West 38th Street, 6th Floor
New York, NY 10018

Prepared By:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001

May 24, 2013
Langan Project No. 170215701

LANGAN

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1.0 EXECUTIVE SUMMARY

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) completed a Phase I Environmental Site Assessment (ESA) for the assemblage of properties located at 75-77 Clarkson Street, 354-361 West Street, 156--162 Leroy Street (the Site). The Site is also identified as Tax Block 601, Lot 1 (354-356 West Street and 75-77 Clarkson Street), Lot 4 (357 West Street), Lot 5 (358 West Street), Lot 8 (359-361 West Street and 160-162 Leroy Street) and Lot 10 (156-158 Leroy Street). The footprint of the Site encompasses an area of approximately 28,365.66 square feet. This Phase I ESA was performed on behalf of AP-ISC Leroy, LLC, c/o Gorton & Partners, LLC (the "User") in support of their proposed redevelopment of the Site.

The Site is located in the West Village neighborhood of Manhattan on the west end of the city block bordered by Leroy Street to the north, Washington Street to the east, Clarkson Street to the south, and West Street to the west. The following is a summary of land use at each tax lot:

<u>Lot 1 (75-77 Clarkson Street and 354-356 West Street)</u>

- One-story slab-on-grade building occupied by an adult cabaret establishment at 75-77 Clarkson Street;
- One-story building that is currently undergoing interior renovations and was formerly occupied by an adult video rental store and adult cabaret establishment at 354 West Street; and
- Two-story building occupied by a ground floor automobile repair garage with an office and storage space on the second story at 356 West Street. The buildings at 354 West Street and 356 West Street share a common basement.

<u>Lot 4 (357 West Street)</u>

- One-story vacant and dilapidated building that was formerly used as a restaurant. A wooden patio area and open space are present in the rear and side of the building, respectively.

<u>Lot 5 (358 West Street)</u>

- Three-story building with a ground floor hardware store. The second and third stories of the building are currently under renovation for use as commercial space.

Lot 8 (359-361 West Street and 160-162 Leroy Street)

- One-story vacant building with a second story addition in the rear of the building and a partial basement The building was formerly occupied by an automobile repair garage, car wash and express oil change shop. The second story addition is a vacant residential apartment.

Lot 10 (156 – 158 Leroy Street)

- There is a two-story vacant building at 156-158 Leroy Street formerly occupied by a pasta manufacturing facility with office space on the second story.

This Phase I ESA was conducted in accordance with the American Society for Testing Materials (ASTM) Practice E1527-05 (Standard Practice for ESA: Phase I ESA Process) and the United States Environmental Protection Agency's (USEPA) All Appropriate Inquiry (AAI) Rule. The objective of this Phase I ESA is to identify the presence or likely presence, use, or release on the Site of hazardous substances or petroleum products as defined in ASTM E1527-05 as a recognized environmental condition (REC) and to satisfy the AAI needed to qualify for the bona fide prospective purchaser liability protections available under the Comprehensive Environmental Response Compensation and Liability Act ("CERCLA").

Recognized Environmental Conditions (RECs)

The following RECs were identified at the Site:

REC 1 – Open Petroleum Spill

At least four feet of floating oil, presumably caused by flooding associated with Tropical Storm Sandy, was identified in the maintenance pit at the former express oil change at 359-361 West Street and 160-162 Leroy Street (Lot 8) during the site reconnaissance completed as part of this Phase I. In response to this finding, the New York State Department of Environmental Conservation (NYSDEC) was notified and NYSDEC Spill No. 13-00212 was assigned on April 8, 2013. The open petroleum spill case is considered a REC as it represents an existing release to structures on the property, a material threat of release to the ground and groundwater, and is subject to enforcement action by a regulatory agency.

REC 2 – Current Use of the Site

Current use of 356 West Street (Lot 1) as an automobile repair garage is considered a REC as potential leaks and/or spills of petroleum, solvents, or other hazardous substances typically

used by such a facility may have adversely impacted soil, groundwater, and/or soil vapor at the property. Evidence of poor housekeeping practices, including staining around the hydraulic lift, 55-gallon waste oil drums, and throughout the garage floor were identified during the site reconnaissance.

REC 3 – On-Site Petroleum Bulk Storage

Seven aboveground storage tanks (ASTs) are present at 359-361 West Street and 160-162 Leroy Street (Lot 8), including three 1,000-gallon lube oil ASTs, one 500-gallon waste oil AST and three 500-gallon temporarily-out-of-service ASTs. A release from these ASTs is presumed to be the source of NYSDEC Spill No. 13-00212. The ASTs were not observed during the Site reconnaissance because the basement was flooded and inaccessible. A subsurface investigation was completed by Langan in 2012 to investigate historic releases associated with these ASTs and no adverse impacts to soil, groundwater, and soil vapor were identified. However, based on the change in conditions at the Site since Tropical Storm Sandy and the release that is presumed to be associated with these ASTs, the release may have also impacted soil, soil vapor, and/or groundwater; on-site petroleum bulk storage is a REC.

REC 4 – Historical On-Site Petroleum Bulk Storage

A 275-gallon waste oil UST was removed and closed at 356 West Street (Lot 1) in January 2013. Although the UST was removed and closed and there is no documentation of a release, historical on-site petroleum bulk storage is considered a REC as it is unclear if environmental samples (i.e. soil and groundwater) were collected and analyzed as part of the UST removal work – a deviation from standard industry practice. Leaks or spills of petroleum from the former UST at Lot 1 may have adversely impacted soil, groundwater and/or soil vapor at Lot 1.

REC 5 – Historic Use of the Site

The historical use of Lot 10 as an automobile repair shop is considered a REC as potential leaks and/or spills of petroleum, solvents, or other hazardous substances typically used by such a facility may have adversely impacted soil, groundwater, and/or soil vapor at the property.

Historic RECs

There were no Historic RECs identified at the Site. The following off-site Historic RECs (HRECs) were identified:

Historical Petroleum Spill Cases

- There are two closed petroleum spill cases associated with 149 Leroy Street, which adjoin the Site to the north across Leroy Street. The closed petroleum spill cases were associated with the discovery of petroleum-contaminated soil during removal of underground storage tanks (USTs) and a subsequent subsurface investigation. A total of 17 USTs and excavated petroleum-contaminated soil were removed from the property. The spill cases are not considered RECs as the spills were remediated to the satisfaction of the NYSDEC and were administratively closed, but are considered HRECs as they involved past releases of petroleum at an adjoining property.

- Two closed petroleum spill cases associated with 560 Washington Street, which adjoins the Site to the south across Clarkson Street. The spill cases are not considered RECs as the spills were remediated to the satisfaction of the NYSDEC and were administratively closed, but are considered HRECs as they involved a past release of petroleum at an adjoining property.

- One closed petroleum spill case associated with 330 West Street, which adjoins the Site to the south across Clarkson Street. The spill case is not considered a REC as the spill was remediated to the satisfaction of the NYSDEC and was administratively closed, but is considered an HREC as it involved a past release of petroleum at an adjoining property.

***De Minimis* Conditions**

De Minimis conditions were not identified at the Site.

The following off-site *De Minimis* conditions were idetnified:

In-Service Petroleum Bulk Storage

- Active petroleum bulk storage at 148 Leroy Street, 333 West Houston Street, and 560 Washington Street are considered off-site *De Minimis* conditions as the tanks store petroleum products, but are not affiliated with an open spill case, are generally not a threat to human health or the environment and are generally not subject to enforcement action by an agency.

Historical Use of Adjoining and Adjacent Properties

- The historical use of the adjoining property to the east of the Site (Block 601, Lot 13) as a railroad right-of-way is considered an off-site *De Minimis* condition. Environmental conditions typically associated with railroad rights-of-way include petroleum, metals, PCBs, pesticides and herbicides. However, since no historical spills or releases were associated with the property, the property's historical use is generally not a threat to human health or the environment and generally not subject to regulatory enforcement action, and the property's historical use is not an HREC, the property's historical use is considered an off-site *De Minimis* condition.

Additional Environmental Concerns

The following non-scope additional environmental conditions were identified at the Site:

- Based on a review of historic maps, the original shoreline of the Hudson River was east of the Site; The Site was built on made land. The presence of historic fill was confirmed during Langan's 2012 subsurface investigation. Excess historic fill material will likely be managed as a regulated solid waste after it is excavated and removed from the Site.
- Rodent habitation and animal nuisance conditions.
- Fluorescent lighting assemblages with suspect mercury containing light fixtures and PCB-containing ballasts;
- Suspect lead-based paint;
- Caulking on skylight windows which may contain PCBs, lead and/or asbestos;
- Suspect asbestos containing material (ACM). Suspected ACM identified at the Site included, but is not limited to the following:
    - Rolled-on asphalt roofing;
    - Flashing at seams of roll-on asphalt roofing, flashed seals of terracotta shingles, and flashing around the parapet and rooftop penetrations;
    - Caulking on skylight windows;
    - Sheetrock and plaster wallboard;
    - Piping insulation;
    - Cove base and mastic;
    - 1'x 1' vinyl floor material and mastic;

    - 2′ x 2′ terrazzo floor material and mastic;
    - 2′ x 2′ ceiling tiles; and

- Suspect mold identified in the basement of 354 West Street and 356 West Street (Lot 1)

Additional information related to the RECs, Historic RECs, *DeMinimis* conditions, and non-scope environmental concerns is contained within the body of this report.

2.0 INTRODUCTION

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) completed a Phase I Environmental Site Assessment (ESA) for the assemblage of properties located at 75-77 Clarkson Street, 355-361 West Street, 156-162 Leroy Street (the Site). The Site is also identified as Tax Block 601, Lot 1 (354-356 West Street and 75-77 Clarkson Street), Lot 4 (357 West Street), Lot 5 (358 West Street), Lot 8 (359-361 West Street and 160-162 Leroy Street) and Lot 10 (156-158 Leroy Street). The footprint of the Site encompasses an area of approximately 28,365.66 square feet. This Phase I ESA was performed on behalf of AP-ISC Leroy c/o Gorton & Partners, LLC (the "User") in support of their due diligence for the proposed redevelopment of the Site.

The purpose of this ESA is to accomplish the following:

> (1) Identify Recognized Environmental Conditions (REC) in connection with the Site, as defined in The Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-05, which states: The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimize conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.
>
> (2) Satisfy the criteria of United Stated Environmental Protection Agency 40 CFR Part 312 Subpart C Standards and Practices §312.20 All Appropriate Inquiries.

2.1 Scope of the ESA

This ESA was conducted utilizing a standard of good commercial and customary practice that is consistent with ASTM E1527-05. Any significant scope-of-work additions, deletions, or deviations to ASTM E1527-05 are noted in Section 9.0 of this report. In general, the scope of

this assessment consisted of obtaining information from the User; reviewing reasonably ascertainable information and environmental data relating to the Site; reviewing maps and records maintained by federal, state, and local regulatory agencies; interviewing persons knowledgeable about the Site; and conducting a site inspection. The specific scope of this assessment included the following:

1. A Site reconnaissance to inspect on-site conditions and assess the Site and surrounding property uses and natural surface features. Photographs taken as part of the Site reconnaissance are provided in Appendix A.

2. A review of the responses to a User/Client Questionnaire. The completed Questionnaire is provided in Appendix B.

3. A review of available previous environmental reports completed for the Site. Copies of the reports are included as Appendix C.

4. A review of environmental databases maintained by the USEPA, state, and local agencies within the approximate minimum search distances required by ASTM E-1527-05. The environmental database report was provided by Environmental Data Resources, Inc. (EDR) and is included in Appendix D.

5. Freedom of Information Act (FOIA) requests were sent to federal, state, and local agencies. Copies of the FOIA requests and any responses received by these agencies up to the date of publication of this report are included in Appendix E.

6. New York City Department of Buildings (NYCDOB) records and a Planning Commission Zoning Map were reviewed. Available NYCDOB records and the Zoning Map are included in Appendices F and G, respectively.

7. A review of physical characteristics of the Site through a review of referenced sources for topographic, geologic, soils, and hydrologic data.

8. A review and interpretation of aerial photographs, Sanborn Fire Insurance Maps (Sanborn Maps), historical topographic maps, and city directories to identify previous activities on and in the vicinity of the Site. Copies are included in Appendices H, I, J, and K, respectively.

9. A review of an Environmental Lien and Activity and Use Limitations (AUL) for the Site. A copy of the environmental lien search report is included as Appendix L.

10. A review of the responses to the Owner/Operator/Site Manager Questionnaire. The completed Questionnaire is provided in Appendix M.

11. A review of published radon occurrence maps to evaluate whether the Site is located in an area with a propensity for elevated radon levels. A USEPA Radon Map is provided in Appendix N.

2.2 Assumptions, Limitations, and Exceptions

This Phase I ESA report was prepared for User for the property on Tax Block 601, Lots 1, 4, 5, 8 and 10 in New York, New York. The report is intended to be used in its entirety. Excerpts taken from this report are not necessarily representative of the assessment findings. Langan cannot assume responsibility for use of this report for any property other than the Site addressed herein, or by any other third party without a written authorization from Langan.

Langan's scope of services, which is described in Section 1.1, was limited to that agreed to with the User and no other services beyond those explicitly stated are implied. The services performed and agreed upon for this effort conforms to those prescribed in the ASTM Standard E1527-05. Intrusive sampling (i.e. soil borings and groundwater sampling) was not performed as part of this Phase I ESA.

The partial basement of the building at 359-361 West Street and 160-162 Leroy Street (Lot 8) was flooded and inaccessible; therefore, this area was not inspected during the site reconnaissance. The inability to inspect this areas is a deviation in scope and a data gap with respect to the ASTM Standard E-1527-05. However, the lack of an inspection in this area is not expected to significantly affect the findings of this Phase I ESA in regards to the identification of on-site RECs, HRECs and *DeMinimis* conditions as at least one or more of the ASTs located in the partial basement of the building located at Lot 8 leaked as a result of the flooding from Tropical Storm Sandy.

This Phase I ESA was not intended to be a definitive investigation of possible environmental impacts at the Site. The purpose of this investigation was limited to determining if there is reason to suspect the possibility of RECs at the Site. It should be understood that even the most comprehensive Phase I ESA might fail to detect environmental liabilities at a particular

site. Therefore, Langan cannot "insure" or "certify" that the Site is free of environmental impacts. No expressed or implied representation or warranty is included or intended in this report, except that our services were performed, within the limits prescribed by our client, with the customary standard of care exercised by professionals performing similar services under similar circumstances within the same jurisdiction.

The conclusions, opinions, and recommendations provided in this report are based solely on the specific activities as required for the performance of ASTM E1527-05 and are intended exclusively for the purpose stated herein, at the specified Site, as it existed at the time of our site visit.

3.0 SITE DESCRIPTION

3.1 Location and Description

The Site is located at 75-77 Clarkon Street, 354-356 West Street (Tax Block 601, Lot 1), 357 West Street (Tax Block 601, Lot 4), 358 West Street (Lot 5), 359-361 West Street and 160-162 Leroy Street (Lot 8), and 156-158 Leroy Street (Lot 10) in the West Village neighborhood of Manhattan. The footprint of the Site encompasses an area of approximately 28,365.66 square feet. A Site Location Map is included as Figure 1.

The Site is located on the west end of the city block bordered by Leroy Street to the north, Washington Street to the east, Clarkson Street to the south, and West Street to the west. The following is a summary of land use at each tax lot:

<u>Lot 1 (75-77 Clarkson Street and 354-356 West Street)</u>

- One-story slab-on-grade building occupied by an adult cabaret establishment at 75-77 Clarkson Street;
- One-story building that is currently undergoing interior renovations and was formerly occupied by an adult video rental store and adult cabaret establishment at 354 West Street; and
- Two-story building occupied by a ground floor automobile repair garage with an office and storage space on the second story at 356 West Street. The buildings at 354 West Street and 356 West Street share a common basement.

<u>Lot 4 (357 West Street)</u>

- One-story vacant and dilapidated building that was formerly used as s restaurant. A wooden patio area and open space are present in the rear and side of the building, respectively.

<u>Lot 5 (358 West Street)</u>

- Three-story building with a ground floor hardware store. The second and third stories of the building are currently under renovation for use as commercial space.

Lot 8 (359-361 West Street and 160-162 Leroy Street)

- One-story vacant building with a second story addition in the rear of the building and a partial basement The building was formerly occupied by an automobile repair garage, car wash and express oil change shop. The second story addition is a vacant residential apartment.

Lot 10 (156 – 158 Leroy Street)

- There is a two-story vacant building at 156-158 Leroy Street formerly occupied by a pasta manufacturing facility with office space on the second story.

The Site is located in an urban area primarily characterized by multi-story residential and commercial buildings. Site topography slopes gently to the west, with an approximate elevation of +10 feet (elevations refer to the Borough of Manhattan Topographical Bureau Datum, which is 2.75 feet above mean sea level at Sandy Hook N.J. as established by the U.S. Coast and Geodetic Survey in 1929). Depth to bedrock is approximately 80 to 100 feet bgs. According to previous environmental investigations performed at the Site by Langan, depth to groundwater is approximately 10 to 13 feet bgs with a presumed westerly flow toward the Hudson River.

3.2 Current Use of the Site

The Site is occupied by an adult cabaret establishment, vacant commercial establishments that are currently undergoing interior construction/renovation, automobile repair garage, a vacant building formerly occupied by a restaurant/diner, a hardware store, a vacant building formerly occupied by an automobile repair garage, car wash, express oil change shop, and a residential apartment, and a vacant building formerly occupied by a pasta manufacturing company. Reconnaissance photographs depicting the current use of the Site are presented in Appendix A.

3.3 Description of Site Improvements

Improvements at the Site are summarized in the following table:

SITE IMPROVEMENTS	
Size of the Site	Approximately 28,365.66 square feet
Buildings/Spaces/Structures	**Lot 1** *75 Clarkson Street*: A one-story slab-on-grade building. *354 West Street*: One-story building with basement. *356 West Street*: Two-story building with basement. **Lot 4:** Vacant one-story slab-on-grade building. **Lot 5:** Three-story slab-on-grade building. **Lot 8:** Vacant one-story slab-on-grade building with a second story rear addition and a partial basement. **Lot 10:** Two-story slab-on-grade building
Surface Water	Surface water is not located on the Site; the nearest surface water body is the Hudson River, which is located approximately 255 feet to the west.
Potable Water Source	New York City
Sanitary and Storm Sewer Utilities	New York City
Electrical Utilities	Consolidated Edison Company of New York, Inc.
Construction Completion Date	**Lot 1** *75 Clarkson Street*: 1920 (Estimate) *354 West Street*: 1920 (Estimate) *356 West Street*: 1920 (Estimate) **Lot 4:** 1920 (Estimate) **Lot 5:** 1915 (Estimate) **Lot 8:** 1920 **Lot 10:** 1920 (Estimate)

SITE IMPROVEMENTS	
General Construction Type	**Lot 1** *75 Clarkson Street*: Concrete/brick. *354 West Street*: Concrete/brick. *356 West Street*: Concrete/brick. **Lot 4:** Concrete/brick and wood/aluminum. **Lot 5:** Concrete/brick. **Lot 8:** Concrete/brick. **Lot 10:** Concrete/brick.
Cooling and Ventilation System Type	**Lot 1** *75 Clarkson Street*: Central HVAC *354 West Street*: Central HVAC *356 West Street*: Central HVAC **Lot 4:** None Present **Lot 5:** None Present **Lot 8:** None Present **Lot 10:** Central HVAC
Heating System Type	**Lot 1** *75 Clarkson Street*: Central HVAC and Space Heaters *354 West Street*: Central HVAC *356 West Street*: Central HVAC and Space Heaters. **Lot 4:** None Present **Lot 5:** Space Heaters **Lot 8:** Space Heaters **Lot 10:** Central HVAC and Space Heaters
Emergency Power	**Lot 1** *75 Clarkson Street*: None Present *354 West Street*: None Present *356 West Street*: None Present **Lot 4:** None Present **Lot 5:** None Present **Lot 8:** None Present **Lot 10:** None Present

3.4 Title Records

Langan researched ownership records for the Site on the New York City Department of Finance's Automated City Register Information System (ACRIS). ACRIS listed APMM Leroy, LLC as the current owner of Lots 4, 8, and 10. ACRIS listed 358 West, LLC as the current owner of Lot 5. ACRIS listed Bergnat Realty Association as the current owner of Lot 1.

The following table presents available deed information for the Site:

Lot 1		
Date	**First Party**	**Second Party**
1/31/1980	BERGNAT REALTIES INC	BERGNAT REALTY ASSOC

Lot 4		
Date	**First Party**	**Second Party**
9/24/2007	357 WEST LLC 156 LEROY LLC WESTSIDE VIEWS LLC	APMM LEROY LLC
2/17/2006	DORIZAS, ANDREAS GLYNOS, EVANGELOS	357 WEST LLC
7/25/2005	WEISS, ESTELLE KULLMAN, BETTY KULLMAN, JULIA	DORIZAS, ANDREAS GLYNOS, EVANGELOS
6/30/2005	BEIER, SAMUEL K KULLMAN, BETTY	WEISS, ESTELLE KULLMAN, BETTY KULLMAN, JULIA
10/6/1988	COMMISSIONER OF FINANCE	CITY OF NEW YORK
11/16/1971	BEIER, SAMUEL R PIER DINER, INC.	WEISS, ESTELLE KULLMAN, BETTY KULLMAN, JULIA
11/16/1971	WEISS, ESTELLE KULLMAN, BETTY KULLMAN, JULIA	DORIZAS, ANDREAS GLYNOS, EVANGELOS
10/13/1971	BEIER, SAMUEL R PIER DINER, INC.	WEISS, ESTELLE KULLMAN, BETTY KULLMAN, JULIA
8/26/1968	CURREN, CORNELIUS	PIER DINER, INC

Lot 5		
Date	**First Party**	**Second Party**
8/6/1997	TINWILL REALTY CORP.	358 WEST, LLC

Lot 8		
Date	**First Party**	**Second Party**
9/24/2007	357 WEST LLC 156 LEROY LLC WESTSIDE VIEWS LLC	APMM LEROY LLC
3/16/2001	WEISBERG, HARVEY	WESTSIDE VIEWS, LLC
12/22/1978	WESTWAY FORWARDING INC	WEISBERG, HARVEY
12/22/1978	359 WEST STREET CORP	WESTWAY FORWARDING INC

Lot 10		
Date	**First Party**	**Second Party**
9/24/2007	357 WEST LLC 156 LEROY LLC WESTSIDE VIEWS LLC	APMM LEROY LLC
2/17/2006	ANDRICH ASSOCIATES	156 LEROY LLC
2/6/1992	156 LEROY ST REALTY CORP	ANDRICH ASSOCIATES
12/31/1979	PAMAVITA INC	156 LEROY ST REALTY
9/1/1972	LEROY 156 INC	PAMAVITA INC
2/1/1967	ANTONIELLO, CARMINE	LEROY 156, INC

The review of ownership records did not reveal evidence of RECs.

4.0 USER PROVIDED INFORMATION

4.1 User Questionnaire

As per ASTM E1527-05, a questionnaire was provided to the User in order to obtain specialized User knowledge. The User questionnaire was completed by Michael Overington of IS Leroy Developmnet, LLC. Mr. Overington indicated that he was aware of the following:

- Past uses of the property; and
- A spill on Lot 8 only.

Mr. Overington indicated that he was not aware of the following:

- Any environmental cleanup liens filed or recorded against the Subject Property;
- Activity and land use limitations that are in place on the Subject Property or that have been filed or recorded in a registry past uses of the property;
- Specific chemicals that are present or once were present at the property; and
- Environmental cleanups that have taken place at the property.

Mr. Overington indicated that he had no specialized knowledge or experience related to the Subject Property or adjoining properties. Mr. Overington did indicate that the purchase price being paid for the property reasonably reflects the fair market value of the property. Mr. Overington indicated that based on this knowledge and experience related to the property there were obvious indicators of the presence or likely presence of contamination at Lot 8 only. The completed User questionnaire is included in Appendix B.

4.2 Previous Environmental Reports

The following reports were provided to Langan and reviewed for this Phase I ESA:

- Environmental Site Investigation Report for 359 West Street, prepared by Langan Engineering & Environmental Services, Inc., dated September 28, 2012

This Environmental Site Investigation Report was prepared on behalf of Gorton & Partners, LLC in support of its due diligence of the property located at 359 West Street, New York, NY. The

objective of the environmental investigation was to supplement the findings from a Phase II Environmental Site Investigation (ESI) performed by IVI Environmental, Inc. (IVI) in July 2007 and evaluate subsurface environmental conditions.

The field investigation involved the collection and analysis of four soil samples, two groundwater samples and one sub-slab soil vapor sample. The field investigation also included an inventory of a lube/oil change pit. The following is a summary of the inventory:

- Four Lube Cube ® above ground storage tanks (ASTs) that appeared to be in good condition were identified in the cellar. Signage indicated that the ASTs contained 10W-30 motor oil.
- Two, plastic, 55-gallon drums with unknown contents were observed in the cellar. The drums were reported to be in good condition with no signs of leakage or corrosion.
- Three steel drums (one 30-gallon and two 55-gallon open-top drums) were also observed in the cellar. Oil was observed in each drum. Evidence of leakage and corrosion were observed near the 30-gallon drum.
- The concrete cellar floor was reported to be in good condition with no major preferential migration pathways.
- A floor drain or possible fill port was observed in the cellar. An oil-like substance was observed in the drain or fill port. Staining was observed on the floor near the floor drain/fill port.
- Evidence of previous releases, including residual oil and staining, was apparent throughout the cellar floor.

The following is a summary of findings that were presented in the Langan Site Investigation Report:

- Soil consists of historic fill to depths of 7 to 10 feet below the slab underlain by native soil to depths of at least 10 to 20 feet below the slab.
- Concentrations of semi-volatile organic compounds (SVOCs), pesticides (methoxyclor) and metals (copper, lead, mercury) were identified in soil at concentrations that exceed the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs). These compounds are constituents of historic fill.
- The analytical soil results did not indicate the presence of characteristic hazardous waste in soil.

- Concentrations of metals (iron, magnesium, manganese and sodium) above the Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) were detected in groundwater and are attributed to salt water intrusion from the Hudson River and/or historic fill.
- Two VOCs (acetone and o-xylene) exceeded indoor air background concentrations, but neither compound was detected in soil or groundwater and was believed to be attributed to ambient conditions.

The following recommendations were made in Langan's Site Investigation Report:

- Excess historic fill that is excavated during site development and cannot be reused at the site should be managed as a regulated, non-hazardous solid waste and properly characterized prior to transportation to an offsite disposal facility.
- The floor drain/fill port observed in the cellar should be further evaluated for subsurface impacts.
- ASTs, associated piping, drums, and other petroleum-contaminated material (i.e. concrete slab and debris) should be managed appropriately during redevelopment, including collection of residual liquids, proper waste characterization and offsite disposal.

Based on a review of Langan's Environmental Site Investigation Report, pervasive petroleum staining identified in the cellar is indicative of historic release and is considered a REC. The presence of historic fill should be considered during future development plans and is considered an environmental business concern.

A copy of the Langan Site Investigation Report is incuded in Appendix C.

5.0 RECORDS REVIEW

5.1 Environmental Records

A regulatory database search was performed by EDR. The EDR report is included in Appendix D. The EDR report provides a listing of sites identified on select federal and state standard source environmental databases within the approximate search radius specified by ASTM E1527-05. Langan reviewed each environmental database on a record-by-record basis to evaluate whether the sites identified represent a potential for environmental impact to the Site. Langan also reviewed "Orphan Sites" listed within the report. Orphan Sites are unmapped sites due to inadequate address information. Any Orphan Sites identified by Langan within the

ASTM search radii, either during the site reconnaissance or by cross-referencing to mapped listings, are discussed below.

The following table lists the number of sites identified in standard and additional environmental record databases within the prescribed search radius and included in the EDR Report.

DATABASE RECORD SUMMARY			
Database Reviewed (Date of Government Version)	**Minimum Search Area**	**Site Listed**	**Number of Sites Within Minimum Search Area**
USEPA DATABASES			
National Priorities List (NPL) (10/1/2012)	1 Mile Radius	No	1
Delisted NPL (10/01/2012)	1/2 Mile Radius	No	0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) (11/02/2012)	1/2 Mile Radius	No	3
Resource Conservation and Recovery Act (RCRA) Corrective Reports (CORRACTS) (2/12/2013)	1 Mile Radius	No	0
RCRA Treatment, Storage, and Disposal Facilities (TSDF) (2/12/2013)	1/2 Mile Radius	No	0
RCRA Generators (2/12/2013)	Site and Adjoining	Yes	4
FINDS (10/23/2011)	Site	No	0
Environmental Response Notification System (ERNS) (12/31/2012)	Site	No	0
Engineering Controls (EC) Sites Lists (12/19/2012)	Site	No	0
Institutional Controls (IC) Sites Lists (12/19/2012)	Site	No	0
NYSDEC DATABASES			

DATABASE RECORD SUMMARY			
Database Reviewed (Date of Government Version)	**Minimum Search Area**	**Site Listed**	**Number of Sites Within Minimum Search Area**
Hazardous Waste Disposal Sites (SHWS) (11/19/2012)	1 Mile Radius	No	0
Solid Waste or Landfill Facilities (SWF/LF) (1/7/2013)	1/2 Mile Radius	No	1
Leaking Storage Tanks (LTANKS) (11/19/2012)	1/2 Mile Radius	No	53
SPILLS Information Database (NY SPILLS) (11/19/2012)	1/8 Mile Radius	No	29
EC Sites Lists (11/19/2012)	Site	No	0
IC Sites Lists (11/19/2012)	Site	No	0
NY Voluntary Cleanup Program (VCP) (11/19/2012)	1/2 Mile Radius	No	0
Brownfields (11/19/2012)	1/2 Mile Radius	No	1
Chemical Bulk Storage (CBS) UST and AST Databases (1/2/2013)	Site and Adjoining	No	0
Major Oil Storage Facilities (MOSF) UST and AST Databases (1/2/2013)	Site and Adjoining	No	0
Registered and Historical Drycleaners (DRYCLEANERS) (6/20/2012)	1/4 Mile Radius	No	5
Petroleum Bulk Storage Facilities (PBS) UST and AST Databases (1/2/2013)	Site and Adjoining	Yes	5
EDR (PROPRIETARY) DATABASES			
Former Manufactured Gas Plant (MGP) Sites (N/A)	1 Mile Radius (N/A)	No	1
Historical Auto Stations (N/A)	Site and Adjoining	Yes	2

DATABASE RECORD SUMMARY			
Database Reviewed (Date of Government Version)	**Minimum Search Area**	**Site Listed**	**Number of Sites Within Minimum Search Area**
Manifest (11/01/2012)	Site and Adjoining	No	3

N/A Not Applicable; databases with a "Not Applicable" Minimum Search Radius are databases reviewed as part of the Phase I ESA but not required as per ASTM E1527-05.

A copy of the reviewed databases is provided in the EDR Report (Appendix D). A summary of sites identified within the prescribed search area is presented below.

5.1.1 Federal Agency Database Findings

NPL Database

The NPL database identifies sites for priority cleanup under the Superfund Program. The Site was not listed in the NPL database, but the Hudson River PCBs Cleanup was included. Although a 200-mile section of the Hudson River is included as part of the Superfund Site, the dredging work is focused north of Albany, New York. Based on the nature of this NPL listing, it is not considered a REC, HREC, or *De Minimis* condition.

CERLIS and CERCLIS NFRAP Database

The CERCLIS list is a compilation of known and suspected uncontrolled or abandoned hazardous waste sites, which are, or were, under investigation by USEPA but have not been elevated to the status of a Superfund (NPL) site. Former CERCLIS sites granted the status of No Further Remedial Action Planned (NFRAP) are also included in this database. The Site was not listed in the CERCLIS or CERCLIS NFRAP databases. Two CERCLIS sites and one NFRAP site were identified within ½-mile of the Site.

The Hudson River PCBs Cleanup and the New York City Anthrax Sites, located 0.081-miles down-gradient and 0.338 miles up-gradient of the Site, respectively, are listed as CERCLIS sites. SiteThe Federal Building/GSA site, located 0.244-miles upgradient of the Site, is listed as a CERCLIS NFRAP site. Based on distance from the Site and nature of the listings, neither listing is considered a REC, HREC, or *De Minimis* condition.

RCRA Generators/Transporters

The RCRA generators/transporters database is USEPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites that generate, transport, store, treat and/or dispose of hazardous waste as defined by RCRA. RCRA Databases include Large Quantity Generators (LQG), Small Quantity Generators (SQG), Conditionally Exempt Small Quantity Generators (CESQG), and Non Generators (NonGen). The Site is not listed in the RCRA databases.

Four adjoining properties are listed in the RCRA databases and are discussed below:

Site Name: Bloomberg Data Center
Site Address: 340 West Street
Location: This facility adjoins the Site to the south across Clarkson Street.
Description: This facility has been a SQG since 2008. The only waste type listed for the facility are lamps (i.e. universal waste). The facility received a violation in August 2010 for "Universal Waste – General." A compliance evaluation inspection was performed on-site in August 2010. No data for compliance achievement was listed in the EDR report. Although it appears there is an unresolved violation for the facility, the violation does not appear to be related to an existing, past or material threat of release. Therefore, this RCRA listing is not considered an off-site REC, HREC, or *De Minimis* condition.

Site Name: Ondeo Nalco Co
Site Address: 330 West Street
Location: This facility adjoins the Site to the south across Clarkson Street.
Description: This facility was listed as a SQG in 2002 and has been a CESQG since 2006. Waste types generated at the facility from 2003 to 2005 include D001, D002, D005 and F003. No violations were reported for this facility. This RCRA listing is not considered an off-site REC, HREC, or *De Minimis* condition based on a lack of violations and the lack of existing, past or material threats of release into structures, ground, groundwater or surface water on the property.

Site Name: Yellow Freight Systems Inc.
Site Address: 149 Leroy Street
Location: This facility adjoins the Site to the north across Leroy Street.

Description: This facility was listed as a SQG in 1996 and verified a non-generator in 1999 and 2006. No record of waste generation was available in the EDR Report. No violations were reported for this facility. This RCRA-NonGen listing is not considered an off-site REC, HREC, or *De Minimis* condition.

Site Name: Federal Express Corp.
Site Address: 148 Leroy Street
Location: This facility adjoins the Site to the north across Leroy Street.
Description: This facility was listed as a LQG in 1991 and verified a non-generator in 1999 and 2006. Waste types generated at the facility from 1990 to 2000 include D001, F002 and waste oil. No violations were reported for this facility. This RCRA-NonGen listing is not considered an off-site REC, HREC, or *De Minimis* condition.

FINDS

The FINDS database maintains information on facilities regulated by Program Offices as manifested in their data system. The FINDS database provides some basic information about each facility and a listing of its ID numbers in other USEPA databases, but was succeeded by USEPA's Facility Registration System (FRS), the latest of EPA's efforts to integrate facility-level information across reporting programs. The Site was not listed in the FINDS database.

The Hudson River PCBs Cleanup, located 0.081-miles downgradient of the Site, was listed in both the Engineering Controls (EC) and Institutional Controls (IC) databases. The listing of the Hudson River PCBs Cleanup in the EC and IC databases is not considered a REC, HREC, or *De Minimis* condition based on distance from the Site and the nature of the listing.

No Delisted NPL, RCRA CORRACTS, RCRA TSDF, or ERNS, sites were listed within their respective minimum search distances as specified by ASTM E1527-05.

5.1.2 State Agency Database Findings

Hazardous Waste Disposal Sites (SHWS)

The SHWS database includes known contaminated sites and is the State equivalent to CERCLIS. The Site was not listed in the SHWS registry. No SHWS facilities were listed within a 1-mile radius of the Site.

SWF/LF Database

The SWF/LF database is a comprehensive listing of State permitted/recorded solid waste facilities. The Site was not listed in the SWF/LF database. One SWF/LF facility was listed within a ½-mile of the Site.

Site Name: Bartlett Carting Corp.
Site Address: 509 Greenwich Street
Location: 0.282-miles south of the Site
Description: This facility was listed as an inactive transfer station. No other information was available in the EDR report. Based on its distance from the Site and its inactive status, this SWF/LF listing is not considered an off-site REC, HREC, or *De Minimis* condition.

Leaking Underground Storage Tanks Database

The Leaking Storage Tanks (LTANKS) database contains an inventory of reported leaking storage tank incidents, including leaking USTs and ASTs. The primary causes of the LTANK incidents include tank test failures, tank failures, and tank overfills. As per ASTM E1527-05, the approximate minimum search distance required for LTANK incidents is within ½ mile of the Site. The Site was not listed in the LTANK database; however, 53 LTANK incidents were identified at other properties within a ½-mile radius. All reported LTANK incidents have been granted closed status by the NYSDEC and are therefore not considered RECs, HRECs or *De Minimus* conditions.

NY Spills Database

The NY Spills database, maintained and updated by NYSDEC, is an inventory of sites where spills have been identified and reported to the NYSDEC.

The Site was not listed in the NY Spills database. However, three adjoining properties were listed in the NY Spills database. All four spill cases, described below, were closed by the NYSDEC. Two closed spill cases in subsurface utility vaults located at adjoining properties were found in the NY Spills database. Both closed spill cases involved less than ten gallons of petroleum and/or dielectric fluid. Spills in subsurface utility vaults are typically contained within the vaults and are unlikely to affect adjoining property.

Site Name: Yellow Freight System Inc.

Site Address: 149 Leroy Street

Location: Adjoins the Site to the north across Leroy Street

Description: Spill No. 0001838 was reported on May 12, 2000 in response to the results of a Phase II ESI. The Phase II ESI report was dated April 7, 2000. Spill No. 0001838 was cross-referenced with Spill No. 9909631. Spill No. 9909631 was reported on November 8, 1999 in response to the discovery of petroleum-contaminated soil during the removal of three 4,000-gallon USTs. I nresponse to the spill, 17 USTs were removed, petroleum-impacted soil was excavated, and three groundwater monitoring wells were installed in 2000. Spill No. 0001838 was closed by the NYSDEC on January 12, 2001. The NYSDEC indicated in a closure letter that no further investigation or response was required. This closed spill case is considered an off-site HREC as it involved past releases of petroleum into the ground of an adjoining property.

Site Name: MCI
Site Address: 560 Washington Street
Location: Adjoins the Site to the south across Clarkson Street
Description: Spill No. 0506181 was reported on August 19, 2005 when an unknown quantity of diesel fuel was released from a 250-gallon AST on the roof of the building. The spill was flushed down a roof drain by the FDNY. The cause of the spill was reported to be a malfunctioning pump. According to the EDR report, the spill did not infiltrate from the roof into the building, no odors were detected in the building, and no free product or sheen was observed on the Hudson River. The spill case was closed by the NYSDEC on August 22, 2005. This closed spill case is considered an off-site HREC as it involved a past release of petroleum into the structure of an adjoining property.

Site Name: 560 Washington Street
Site Address: 560 Washington Street
Location: Adjoins the Site to the south across Clarkson Street
Description: Spill No. 0103173 was reported on June 22, 2001 when 55-gallons of diesel fuel were released on the roof of the building during the installation of a generator. According to the EDR report, there was no discharge to the ground or sewer. The spill case was closed by the NYSDEC on June 29, 2001. This closed spill case is considered an off-site HREC as it involved a past release of petroleum into the structure of an adjoining property.

Site Name: 330 West Street
Site Address: 330 West Street
Location: Adjoins the Site to the south across Clarkson Street
Description: Spill No. 9502690 was reported on June 1, 1995 when approximately 10 gallons of diesel fuel were released on the roof of the building. The spill was cleaned up using absorbent pads and closed by the NYSDEC on June 2, 2005. This closed spill case is considered an off-site HREC as it involved a past release of petroleum into the structure of an adjoining property.

Twenty-five additional spills were identified within 1/8-mile of the Site. Based on their distance from the Site, location relative to the direction of groundwater flow, and/or their closed status, none of these spills are considered RECs.

NY VCP Database

The Voluntary Cleanup Agreements (VCP) database is an inventory of contaminated sites that have been remediated to allow for the productive use of the site via a voluntary remedial program. As per ASTM E1527-05, the approximate minimum search distance required for NY VCP sites is within 1/2-mile of the Site. The Site was not listed in the VCP database. No VCP sites were identified within 1/2-mile of the Site.

Brownfields

The Brownfields list includes any real property where development or re-use may be complicated by the presence or potential presence of hazardous waste, petroleum, or other contaminants. As per ASTM E1527-05, the approximate minimum search distance required for Brownfield sites is within ½-mile of the Site. The Site is not listed in the Brownfields database. One Brownfield site was identified within ½-mile of the Site.

> **Site Name:** West & Watts Development
> **Site Address:** 281 West Street / 456 Washington Street
> **Location:** 0.390-miles south of the Site
> **Description:** This property is located on the block bordered by Canal Street to the north, Washington Street to the east, Watts Street to the south and West Street to the west. The property was historically used as a gasoline filling station, a railroad freight station and warehouse from 1928 through 2005. Based on its distance and location relative to the direction of groundwater flow, this Brownfield listing is not considered an off-site REC, HREC, or *De Minimis* condition.

NY Petroleum Bulk Storage (PBS) TANKS, UST and AST Database

The PBS TANKS, UST and AST database contains records of registered USTs and/or ASTs. A registered petroleum bulk storage tank, UST and/or AST does not constitute a REC in and of itself. However, properties listed on the TANKS, UST and/or AST lists with a reported leak, spill, or release could constitute a REC with respect to the Site. As per ASTM E1527-05, the approximate minimum search distance required for USTs and ASTs is the Site and adjoining properties. Two listings for the Site were found in the UST and AST databases.

#1 Autotech Group at 356 West Street (Lot 1) was listed in the UST database as having one active 275-gallon steel/carbon-steel UST installed in 2006. According to the NYSDEC PBS

Search Database, this UST stored waste oil and was closed and removed on January 29, 2013. It is unclear if environmental samples (i.e. soil and groundwater) were collected and analyzed as part of the UST removal work – a deviation from standard industry practice. Releases or spills of petroleum from the former UST may have adversely impacted soil, groundwater and/or soil vapor at Lot 1 and is considered a REC.

Village Mart, Inc. at 160 Leroy Street (Lot 8) was listed in the AST database as having seven ASTs. A summary of the ASTs for 160 Leroy Street (Lot 8) is provided in the table below. Additional information obtained from the NYSDEC PBS Search Database is included.

AST Summary for 160 Leroy Street							
Tank No.	**Capacity (gal)**	**Installation Date**	**Type**	**Tank Contents**	**Status**	**Secondary Containment**	**Dispenser**
001	1000	1992	Steel/carbon-steel	Lube Oil	In Service	Double-Walled (Underground)	Suction
002	1000	1992	Steel/carbon-steel	Lube Oil	In Service	Double-Walled (Underground)	Suction
003	1000	1992	Steel/carbon-steel	Lube Oil	In Service	Double-Walled (Underground)	Suction
004	500	1992	Steel/carbon-steel	Waste Oil	In Service	Double-Walled (Underground)	Suction
005	500	1992	Steel/carbon-steel	N/A	Temp. Out of Service	Double-Walled (Underground)	Suction
006	500	1992	Steel/carbon-steel	N/A	Temp. Out of Service	Double-Walled (Underground)	Suction
007	500	1992	Steel/carbon-steel	N/A	Temp. Out of Service	Double-Walled (Underground)	Suction

A release from these ASTs is presumed to be the source of NYSDEC Spill No. 13-00212. The ASTs were not observed during the Site reconnaissance because the basement was flooded and inaccessible. A subsurface investigation was completed by Langan in 2012 to investigate historic releases associated with these ASTs and no adverse impacts to soil, groundwater, and soil vapor were identified. However, based on the change in conditions at the Site since

Tropical Storm Sandy, the release that is presumed to be associated with these ASTs, and the continuous source of petroleum that is represented by these tanks, these ASTs are a REC.

Five adjoining properties were listed in the UST and AST databases and are described below.

Site Name: Washington Street Associates
Site Address: 149 Leroy Street
Location: The property adjoins the Site to the north across Leroy Street.
Description: This facility has record of nine storage tanks (NYSDEC PBS No. 2-292419):

- Three 4,000-gallon steel/carbon-steel diesel USTs closed and removed in 1999.
- One 275-gallon steel/carbon-steel diesel AST with a subterranean vault closed and removed in 1999.
- Three 550-gallon steel/carbon-steel diesel ASTs installed in 2002, but closed and removed on an unknown date.
- One 550-gallon steel/carbon-steel #2 fuel oil AST installed in 2002, but closed and removed on an unknown date.
- One 1,500-gallon steel/carbon-steel diesel AST installed in 2002, but closed and removed on an unknown date.

This adjoining property (149 Leroy) was listed in the LTANKS and NY Spills databases, but under the name of Yellow Freight System Inc. This listing is considered an off-site HREC as the three 4,000-gallon USTs are associated with two petroleum spill cases that have been remediated to the satisfaction of the NYSDEC and administratively closed.

Site Name: 350 West Street
Site Address: 350 West Street
Location: This facility adjoins the Site to the south across Clarkson Street.
Description: This facility has record of one 4,000-gallon steel/carbon-steel #2 fuel oil UST that was closed-in-place in 1997. This listing is not considered an off-site REC, HREC, or *De Minimis* condition based a lack of reported spills associated with the UST, its closed-in-place status, its distance from the Site, and its location with respect to groundwater floor (cross-gradient).

Site Name: Federal Express - WTCA
Site Address: 148 Leroy Street
Location: This facility adjoins the Site to the east.
Description: This facility has record of one in-service 280-gallon steel/carbon-steel waste oil/used oil AST that was installed in 2002. The in-service 280-gallon AST is not considered an off-site REC or HREC. The AST is considered an off-site *De Minimis* condition as it stores a petroleum product, but is not affiliated with an open spill case, is generally not a threat to human health or the environmental and is generally not subject to enforcement action by an agency.

Site Name: St. John's Center
Site Address: 333 West Houston Street
Location: This facility adjoins the Site to the south across Clarkson Street.
Description: This facility has record of one in-service steel/carbon-steel #2 fuel oil AST that was installed in 1970 and one in-service steel/carbon-steel #2 fuel oil AST that was installed in 1971. The ASTs are considered off-site *De Minimis* conditions as they store a petroleum product, but are not affiliated with an open spill case, are generally not a threat to human health or the environmental and are generally not subject to enforcement action by an agency.

Site Name: MCI D/B/A Verizon Business
Site Address: 560 Washington Street
Location: This facility adjoins the Site to the south across Clarkson Street.
Description: This facility has record of one in-service 10,000-gallon steel/carbon-steel diesel AST that was installed in 1998 and one in-service 200-gallon steel/carbon-steel AST that was installed in 1998. This address appeared in the NY Spills database under two closed spill case listings; however, the spill cases were not related to the 10,000-gallon AST or 200-gallon AST, but rather incidental releases associated with a malfunctioning pump on a 250-gallon AST and the installation of a rooftop generator. The in-service 10,000-gallon and 200-gallon ASTs is not considered off-site RECs or HRECs. The ASTs are considered an off-site *De Minimis* condition as they stores a petroleum product, but are not affiliated with an open spill case, are generally not a threat to human health or the environmental and are generally not subject to enforcement action by an agency.

NY DRYCLEANERS and Historical Cleaners Database

The NY Dry Cleaners Database includes registered dry cleaning facilities in the State of New York. The Historical Cleaners database is a list of historically documented dry cleaners. The Site was not included in the NY DRYCLEANERS list; however, five dry cleaning facilities were identified within ¼-mile of the Site. Based on the distance from the site, the absence of violations, and/or the facility use as a drop shop, none of these facilities are considered a REC.

Other State Databases

No state EC, IC, CBS UST and AST, MOSF listings were found within their respective minimum search distances as specified by ASTM E1527-05.

5.1.3 Other Database Findings

Manufactured Gas Plant (MGP) Sites

The Manufactured Gas Plant (MGP) Sites database is a proprietary database that includes records of manufactured coal gas plants compiled by EDR. The Site was not listed in the MGP database. One MGP site was identified within a 1-mile radius of the Site; however, this was located more than one mile from the Site and is not considered a REC, HREC, or *De Minimis* condition due to distance from the Site.

Historical Auto Stations

The Historical Auto Stations database is a proprietary database that includes records of potential historical gas station, filling station and service station sites. Two listings for the Site were found in the Historical Auto Stations database.

The address of the first listing was 160 Leroy Street, which corresponds to Lot 8. According to the EDR report, this address was occupied by Two Guys Lube Incorporated in 2000, Two Guys General Auto Repair Inc. from 2001 through 2002, Two Guys Lube Inc. from 2003 through 2004, and Village Auto from 2011 through 2012. This address was also listed in the NY Petroleum Bulk Storage AST database. Information related to the ASTs at 160 Leroy Street (Lot 8) is discussed in Section 3.1.2.

The address of the second listing was 356 West Street, which corresponds to Lot 1. According to the EDR report, this address was occupied by 1 Hour Auto Glass Incorporated from 1999 through 2000 and Village 24-Hour Auto Repair from 2010 through 2012.

The historical use of 356 West Street (Lot 1) and 160 Leroy Street (Lot 8) is considered a REC as potential leaks and/or spills of petroleum, solvents, or other hazardous substances typically used by such a facility may have adversely impacted soil, groundwater, and/or soil vapor at the property.

Manifests

A manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility. The Site was not listed in the Manifest database. Three adjoining properties were listed in the Manifest database. Information related to hazardous waste generation at these properties is discussed in Section 3.1.1.

5.1.4 Local Regulatory Agency Findings

FOIA Requests

FOIA requests were submitted to the following federal, state, and local agencies via written and electronic correspondence:

- New York City Department of Environmental Protection (NYCDEP);
- New York City Department of Health (NYCDOH);
- New York City Fire Department (FDNY);
- New York State Department of Health (NYSDOH);
- NYSDEC; and
- USEPA, Region 2.

FOIA requests were sent on March 13, 2013 for each individual lot of the Site. Langan requested information or copies of files regarding environmental conditions, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of

hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LTANKs), asbestos abatement, and any other environmental reports.

Response letters were received from the USEPA Region 2, NYSDEC, NYSDOH, FDNY and NYCDEP and indicated no records were found for the Site. A response packet received on April 8, 2013 from the NYCDOH indicated that Lots 1, 5, 8 and 10 were inspected on March 28-29, 2012. No health code violations were reported for Lots 1, 5, 8 and 10. The response packet included a letter dated April 3, 2012 from the NYCDOH to APMM Leroy, LLC for Lot 4. The letter indicated the property was inspected on March 28, 2012 and cited for two violations related to rodent habitation and animal nuisance conditions. The letter ordered prompt abatement of all rodent and/or animal nuisance conditions.

If any pertinent information is received after the production of this report, an addendum will be prepared. Copies of the FOIA requests and available responses are included in Appendix E.

NYCDOB

Langan conducted a records search via the NYCDOB Building Information system on March 11, 2013. A copy of the NYCDOB records is included as Appendix F.

Lot 1

Based on a review of the NYCDOB records, there were no RECs, HRECs, or *DeMinimis* conditions at any of the building addresses associated with Lot 1..

Lot 4

Based on a review of the NYCDOB records, there were no RECs, HRECs, or *DeMinimis* conditions associated with Lot 4.

Lot 5

Based on a review of the NYCDOB records, there were no RECs, HRECs, or *DeMinimis* conditions associated with Lot 5.

Lot 8

Based on a review of the NYCDOB records, historical use of Lot 8 as an auto service station is considered a REC (as explained in Section 3.1.3).

Lot 10

Based on a review of the NYCDOB records, historical use of Lot 10 as an auto repair shop is considered a REC.

Zoning Department

According to the New York City Planning Commission (NYCPC) Zoning Map 12a. The Site is in a M1-5 manufacturing district. According to the zoning map, the above properties are not listed with any restrictive E- or D-designations. The above properties were not listed on the list of City Environmental Quality Review (CEQR) Environmental Designations available on the NYC City Planning Commission website. A copy of the zoning map is provided in Appendix G.

5.2 Physical Setting Sources

5.2.1 Topography

Based on the USGS Jersey City Quadrangle Topographic Maps (7.5-minute series), the elevation of the Site is approximately 10 feet above mean sea level (MSL). The topography of the Site and the surrounding area slopes gently to the west towards the Hudson River.

5.2.2 Geology

Geological surface features (e.g., rock outcroppings) were not observed at the Site. Soil and bedrock stratigraphy throughout Manhattan typically consists of a layer of historical fill that overlies glacial till, decomposed unconsolidated bedrock, and bedrock. Based on a review of the Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York and Parts of Bergen and Hudson Counties New Jersey, by Charles A. Baskerville, dated 1994 (Baskerville Map), the Site is underlain by bedrock of the Cambrian Manhattan Schist formation, which consists of interbedded mica schist, gneiss, quartz, and amphibolite. The Baskerville engineering geology map depicts bedrock at the Site at approximately 80 to 100 feet bgs. In addition, the Baskerville engineering geology map depicts that the Site is located west (outboard) of the original Hudson River shoreline prior to historical filling activities.

5.2.3 Hydrology

Groundwater flow is typically topographically influenced, as shallow groundwater tends to originate in areas of topographic highs and flows toward areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeological network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extents of vegetation cover, and coverage by impervious surfaces. Other factors influencing groundwater include depth to bedrock, the presence of artificial fill, and variability in local geology and groundwater sources or sinks. According to previous environmental investigations performed at the Site by Langan, depth to groundwater is approximately 10 to 13 feet with a presumed westerly flow toward the Hudson River.

Groundwater in the New York City area is not used as a potable water source. Potable water provided to the City of New York is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

5.3 Historical Use Information

Langan reviewed available historical resources (including aerial photographs, Sanborn and topographic maps, and city directories) dated 1894 through 2012. Langan's review findings are provided below.

5.3.1 Aerial Photographs

Langan reviewed available aerial photographs of the Site and surrounding areas for the years 1924, 1943, 1954, 1966, 1975, 1984, 1995, 2006, 2008, 2009, 2010 and 2011. The photographs indicate that that the Site is located within a densely developed urban area. The Site was occupied by multi-story buildings as early as circa 1924. A rail yard occupied the adjoining properties to the east of the Site from circa 1943 to circa 1954. Surrounding properties were occupied by multi-story residential and commercial buildings.

The presence of a historic rail yard on adjoining properties to the east of the Site is considered an off-site historic REC. The review of the aerial maps did not indicate on-site or off-site RECs, on-site HRECs or on-site or off-site De Minimis conditions in association with the Site. Copies of the aerial maps are provided as Appendix H.

5.3.2 Sanborn Fire Insurance Maps

Langan reviewed available Sanborn Maps for the Site for the years 1894, 1895, 1904, 1905, 1913, 1919, 1921, 1922, 1928, 1950, 1968, 1969, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1983, 1985, 1987, 1988, 1990-1996, 2001-2005. Sanborn Maps constitute a database of prior site uses of real property for many cities and towns in the United States. Copies of the maps are provided as Appendix I. A summary of the Sanborn Maps is presented in the following table.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1894	The available Sanborn map for 1894 did not provide clear and adequate coverage of the Site.
1895	**Lot 1:** The lot was occupied with four five-story buildings. The building at 75 Clarkson Street was labeled a hotel. **Lot 4:** The lot was occupied by one two-story building labeled a machine shop. **Lot 5:** The lot was occupied by a one-story building of unknown use. **Lot 8:** The lot was occupied by multiple buildings of residential and unknown use. **Lot 10:** A portion of the lot was occupied by a two-story residential building. The other portion of the lot was unoccupied. **Surrounding Area:** The adjoining properties to the east on the subject block were occupied by multiple buildings with uses including residential and hotel. The adjoining properties to the south were occupied multiple buildings of unknown use and a lumberyard. The adjoining properties to the north were occupied by buildings of unknown use. Multiple piers were depicted across West Street along the Hudson River.
1904	**Lot 1:** The lot was occupied with four five-story buildings with uses including, store, dwelling, and hotel. **Lot 4:** The lot was occupied by one two-story building labeled a machine shop with a boiler. **Lot 5:** The lot was occupied by a three-story building labeled a machine shop with a boiler. **Lot 8:** The lot was occupied by multiple buildings with uses including residential, store, building materials, and smelting works (160 Leroy Street). **Lot 10:** A portion of the lot was occupied by a two-story building of unknown use. The other portion of the lot was unoccupied and labeled building materials. **Surrounding Area:** The adjoining properties to the east on the subject block were occupied by multiple buildings with uses including residential, hotel, chemical manufacturing. The adjoining properties to the south were occupied multiple buildings with uses including soap works, steam laundry and offices. The adjoining properties to the north were occupied by multiple buildings with uses including storage. Multiple piers were depicted across West Street along the Hudson River.
1905	The available Sanborn map for 1905 did not provide clear and adequate coverage of the Site.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1913	The available Sanborn map for 1913 did not provide clear and adequate coverage of the Site.
1919	The available Sanborn map for 1919 did not provide clear and adequate coverage of the Site.
1921	**Lots 1, 4, 5:** No significant changes were noted for the lots in this map when compared to the 1904 Sanborn map. **Lot 8:** The lot was occupied by multiple buildings with uses including residential, store, smelting works (160 Leroy Street), and a junk yard. **Lot 10:** The lot was occupied by a multiple buildings of unknown use. **Surrounding Area:** The adjoining properties to the east on the subject block were occupied by multiple buildings with uses including residential, hotel, public storage, auto repairs, and a wagon builder. The adjoining property to the south was occupied multi-story building labeled steel warehouse. The adjoining properties to the north were occupied by multiple buildings with uses including storage. Multiple piers were depicted across West Street along the Hudson River
1922	The available Sanborn map for 1922 did provide adequate coverage of the Site, but no detail was displayed on the map.
1928	The available Sanborn map for 1922 did provide adequate coverage of the Site, but no detail was displayed on the map.
1950	**Lot 1:** The lot was occupied with five multi-story buildings with uses including stores and motor freight stations (356 West Street and 75 Clarkson Street). **Lot 4:** The lot was occupied by a one-story store. **Lot 5:** The lot was occupied by a three-story building labeled "machine shop". **Lot 8:** The lot was occupied by one multi-story building with uses including a motor freight station and offices (359-361 West Street and 160-162 Leroy Street). **Lot 10:** The lot was occupied by two one-story buildings labeled "waste paper". **Surrounding Area:** The adjoining property to the east was labeled NYCRR Right of Way. The adjoining property to the north was occupied by a filling station with two tanks and a small office building. The adjoining property to the south was occupied by a large multi-story building covering the entire block labeled St. John's Park freight terminal, which was built in 1933. Multiple piers were depicted across West Street along the Hudson River.
1968	The available Sanborn map for 1968 did not provide clear and adequate coverage of the Site.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1969	**Lot 1:** The lot was occupied with five multi-story buildings with uses including stores and auto body works (356 West Street). **Lot 4:** The lot was occupied by one one-story store. **Lot 5:** The lot was occupied by a three-story building labeled a machine shop. **Lot 8:** No significant changes were noted for the lot in this map when compared to the 1950 Sanborn map. **Lot 10:** The lot was occupied by two one-story buildings labeled waste paper (156-158 Leroy Street). **Surrounding Area:** The adjoining property to the east was occupied by a three-level open deck garage and multiple one-story buildings with uses including storage and office. The adjoining property to the north was occupied by a two-story building with uses including motor freight station and offices. The adjoining property to the south was occupied by the St. John's Park freight terminal. Multiple piers were depicted across West Street along the Hudson River.
1975	**Lot 1, 4, 5, 8:** No significant changes were noted for the lots in this map when compared to the 1969 Sanborn map. **Lot 10:** The lot was occupied by a one-story manufacturing building. **Surrounding Area:** No significant changes were noted for the surrounding area in this map when compared to the 1969 Sanborn map with the exception that the adjoining property to the east was occupied by a United States Post Office Garage and the adjoining property to the south was occupied by a large multi-story building labeled St. John's Park building.
1976-1978	The available Sanborn maps for 1976-1978 did not provide clear and adequate coverage of the Site.
1979	**Lots 1, 4, 5, 8, 10:** No significant changes were noted for the lots in this map when compared to the 1975 Sanborn map. **Surrounding Area:** No significant changes were noted for the surrounding area in this map when compared to the 1975 Sanborn map with the exception that the adjoining property to the west was labeled Pier 40.
1980-1981	The available Sanborn maps for 1980-1981 did not provide clear and adequate coverage of the Site.
1983	**Lots 1, 4, 5, 8, 10:** No significant changes were noted for the lots in this map when compared to the 1979 Sanborn map. **Surrounding Area:** No significant changes were noted for the surrounding area in this map when compared to the 1979 Sanborn map.
1985-1988	**Lots 1, 4, 5, 8, 10:** No significant changes were noted for the lots in this map when compared to the 1983 Sanborn map. **Surrounding Area:** No significant changes were noted for the surrounding area in this map when compared to the 1983 Sanborn map.
1990	The available Sanborn maps for 1990 did not provide clear and adequate coverage of the Site.
1991	**Lots 1, 4, 5, 8, 10:** No significant changes were noted for the lots in this map when compared to the 1983 Sanborn map. **Surrounding Area:** No significant changes were noted for the surrounding area in this map when compared to the 1983 Sanborn map with the exception that the adjoining property to the east was labeled Federal Express.

SANBORN MAP SUMMARY	
YEAR	**COMMENTS**
1992	**Lot 1:** The lot was occupied by three one-story buildings. Two buildings were interconnected (75-77 Clarkson Street and 354-355 West Street). The other building was labeled an auto body works (356 West Street). **Lots 4, 5, 8:** No significant changes were noted for the lot in this map when compared to the 1983 Sanborn map. **Lot 10:** The lot was occupied by two one-story buildings labeled auto repair (156-158 Leroy Street).
1993-1994	**Lots 1, 4, 5, 8, 10:** No significant changes were noted for the lots in this map when compared to the 1992 Sanborn map. **Surrounding Area:** No significant changes were noted for the surrounding area in this map when compared to the 1992 Sanborn map.
1995	**Lots 1, 4, 5:** No significant changes were noted for the lots in this map when compared to the 1992 Sanborn map. **Lot 8:** The lot was occupied by one two-story building labeled auto wash, auto repair and offices (359-361 West Street and 162 Leroy), and one one-story building labeled auto repair (160 Leroy Street). **Lot 10:** The lot was occupied by a two-story building labeled a warehouse.
1996	**Lots 1, 4, 5, 8, 10:** No significant changes were noted for the lots in this map when compared to the 1995 Sanborn map. **Surrounding Area:** No significant changes were noted for the surrounding area in this map when compared to the 1995 Sanborn map.
2001-2003	**Lots 1, 4, 5, 8, 10:** No significant changes were noted for the lots in this map when compared to the 1996 Sanborn map. **Surrounding Area:** No significant changes were noted for the surrounding area in this map when compared to the 1996 Sanborn map with the exception that the adjoining block to the north was vacant.
2004	**Lots 1, 4, 5, 8, 10:** No significant changes were noted for the lots in this map when compared to the 1996 Sanborn map. **Surrounding Area:** No significant changes were noted for the surrounding area in this map when compared to the 2003 Sanborn map with the exception that the adjoining block to the north was occupied by a multi-story residential building.
2005	**Lots 1, 4, 5, 8:** No significant changes were noted for the lots in this map when compared to the 2004 Sanborn map. **Lot 10**: A portion of the lot was occupied by a two-story warehouse. The other portion of the lot was vacant. **Surrounding Area:** No significant changes were noted for the surrounding area in this map when compared to the 2004 Sanborn map.

Langan's review of available Sanborn Maps indicated that the Site was developed with multiple low-rise buildings as early as 1895. From circa 1895 through circa 2005, the Site was primarily occupied by commercial and industrial uses.

A review of the available Sanborn Maps indicated historical property use of the Site, including motor freight stations (Lot 1 1950 – 1969), auto body works (Lot 1 1969 – 2005), and auto repair shop (Lot 10 1992 – 1995) as an on-site REC.

Commercial, industrial and mixed-use buildings generally occupied the adjoining and surrounding properties. The commercial and industrial uses of surrounding properties included retail, restaurants, offices, hotels, shipping piers, railroad right-of-way, auto repair and service stations, filling stations, warehousing and storage, freight terminals, smelters, and automobile parking and garages.

A review of the available Sanborn Maps indicated no off-Site HRECs at adjoining properties. A review of the available Sanborn Maps indicated off-Site *De Minimis* conditions at adjoining properties. The historical use of the adjoining property to the east of the Site as a railroad right-of-way is considered an off-site *De Minimis* condition. Environmental conditions typically associated with railroad rights-of-way include petroleum, heavy metals, PCBs, pesticides and herbicides.

5.3.3 Historical USGS Topographic Quadrangles

Langan reviewed available historical USGS Topographic Quadrangles obtained from EDR for information regarding past uses of the Site. Quadrangle maps were available for the Site for the years 1891, 1900, 1905, 1925, 1947, 1955, 1967, and 1981. Based on a review of the historic topographic maps, the Site was developed within a dense urban area as early as 1891. A railroad yard was depicted on the east end of the subject block on the maps from 1947 through 1955. The railroad yard did not appear to occupy the Site. No other structures were depicted on the subject block from 1891 through 1981. The presence of a historic rail yard on adjoining properties of the subject block is considered an off-site *De Minimis* condition. The review of the historic topographic maps did not indicate on-site or off-site RECs, on-site HRECs or on-site *De Minimis* conditions in association with the Site. Copies of the topographic maps are provided as Appendix J.

5.3.4 City Directories

The City Directory Abstract, obtained from EDR, is a review of available business directories, including city, cross-reference, and telephone directories, at approximately five-year intervals for the years spanning 1920 through 2012. The target search addresses for the Site were 354-356 West Street and 75 Clarkson Street (Lot 1), 357 West Street (Lot 4), 358 West Street (Lot

5), 359-361 West Street and 160-162 Leroy Street (Lot 8), and 156-158 Leroy Street (Lot 10). Copies of the City Directory Abstracts are provided in Appendix K.

Langan's review of the City Directory Abstract revealed that the Site was used for residential, commercial and professional purposes from circa 1920 through circa 2012. The identified residential, commercial and professional uses are not likely to be of environmental concern based on their names with exception of the following:

Lot 1 (354-356 West Street and 75 Clarkson Street)

Business Name: Village Twenty-Four Hour Automobile (356 West Street)
Dates of Operation: 2006 - 2012

Business Name: 1 Hour Auto Glass Inc. (356 West Street)
Dates of Operation: 1998 - 2000

Business Name: Gus & Benny Auto Repairs Inc. (356 West Street)
Dates of Operation: 1973

Lot 8 (359-361 West Street and 160-162 Leroy Street)

Business Name: Village Auto (160 Leroy Street)
Dates of Operation: 2012

Business Name: Two Guys General Auto Repair (160 Leroy Street)
Dates of Operation: 1993, 1998, 2012

Business Name: Two Guys Lube Inc. (160 Leroy Street)
Dates of Operation: 2000

Business Name: Brooks Transportation Co. Inc. (160 Leroy Street)
Dates of Operation: 1942, 1947, 1950, 1956, 1958

Business Name: Pittsburgh White Metal Co. (160 Leroy Street)
Dates of Operation: 1920, 1923, 1927

Business Name: American Lead Co. (160 Leroy Street)
Dates of Operation: 1927

Business Name: Auto Club Road Service (161 Leroy Street)
Dates of Operation: 2012, 2006

Business Name: Lowy D & Co Scrap Iron (162 Leroy Street)
Dates of Operation: 1927

Business Name: Leroy Salvage Co Inc. (162 Leroy Street)
Dates of Operation: 1923

Business Name: Salvage Disposal Corp. (162 Leroy Street)
Dates of Operation: 1920

Lot 10 (156-158 Leroy Street)

Business Name: Virginia Motor Express Co. (157 Leroy Street)
Dates of Operation: 1934

Langan performed additional diligence to identify the current location of the above businesses as well as information related to past operations at the above locations. Village Auto, Two Guys General Auto Repair, Two Guys Lube Inc. and Auto Club Road Service (Lot 1) are active businesses at the Site. Village Twenty-Four Hour Automobile and 1 Hour Auto Glass Inc. (Lot 8) are not active businesses at the Site. Multiple automobile repair businesses were depicted on the available Sanborn maps. Pittsburgh White Metal Co. may in fact be the smelting facility depicted on the available Sanborn maps from circa 1904 through circa 1921. No information could be found for any of the other businesses listed above nor were the businesses listed in the available regulatory database records reviewed for this Phase I ESA. The above businesses are considered on-site RECs in associated with the Site.

Langan's review of the City Directory Abstract revealed that adjoining properties were used for residential, commercial and professional purposes from circa 1920 through circa 2012. The identified uses at adjoining properties are not likely to be of environmental concern based on their names with exception of the following:

Business Name: Ace Envelope Manufacturing Corp.
Site Address: 330 West Street
Dates of Operation: 1968-1983

Business Name: Exclusive Envelope Corp.
Site Address: 330 West Street
Dates of Operation: 1963-1983

Business Name: St. Johns Freight Terminal
Site Address: 340 West Street
Dates of Operation: 1963-1973

Business Name: Ballad Motor Service Inc.
Site Address: 340 West Street
Dates of Operation: 1938

Langan performed additional diligence to identify the current location of the above businesses as well as information related to past operations at the above locations. St. John's Freight Terminal was depicted on the available Sanborn maps. No information could be found for any of the other businesses. No listings related to the above businesses were found in the available regulatory database records; however, the addresses of 340 West Street and 330 West Street did appear in the NY Spills database as having closed NYSDEC spill cases. No link between the above businesses and the closed NYSDEC spill cases could be established based on available information. Therefore, the above businesses do not represent on-site or off-site RECs, HRECs or *De Minimis* conditions in associated with the Site.

5.3.5 Environmental Lien Search

Langan contracted EDR to conduct an Environmental Lien search for the Site. The results of the search, which included a compilation of available data and verification of the findings with the appropriate regulatory authorities, revealed that there are no Environmental Liens or other Activity and Use Limitations (AUL) associated with Lots 1, 4, 5, 8, and 10. A copy of the Environmental Lien Search for 1552 Broadway and 1560 Broadway is provided in Appendix L.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

The Site reconnaissance was conducted in a systematic manner focusing on the spatial extents of the Site and then progressing to the adjoining and surrounding properties.

The assessment of the adjoining and surrounding properties was limited to identifying, if possible, any indications of past or current use that may involve the use, storage, disposal, or generation of hazardous substances or petroleum products; noting the general type of current use; the general topography of the surrounding area; and providing a general description of adjoining or adjacent structures.

6.1.1 Date and Time of Inspection

The reconnaissance of Lots 1, 4, 5 and 8 was performed at 9:00 am on April 5, 2013 by Gregory C. Wyka of Langan. The weather at the time of the inspection was clear and with a temperature of about 45°F. Langan was accompanied by Keith Murray (Gorton & Partners, LLC) during the Site reconnaissance. The reconnaissance of Lot 10 was performed at 8:00AM on May 22, 2013 by Gregory C. Wyka of Langan. The weather at the time of the inspection was cloudy with a temperatire of about 70°F.

6.2 General Site Setting and Reconnaissance Observations

Lot 1

75 Clarkson Street

The one-story building was constructed of concrete and brick with a slab-on-grade foundation and interior sheetrock walls. The building was occupied by an adult cabaret establishment and included dance floors, eating and drinking areas, a kitchen, and multiple bathrooms. The interior floors were improved with ceramic tiles and roll-on vinyl sheet flooring. Interior wall paint was generally in good condition. Ceilings in the building were open with suspended mechanical and electrical equipment. The rooftop area was improved with a rolled-on, built-up asphalt roof with flashing at the seams and roof penetrations that appeared to be in good condition. Two 5-gallon containers of roofing adhesive were observed on the rooftop.

354 West Street

The one-story building with a basement was constructed of concrete and brick and interior wood panel and/or plaster walls improved with mirrored-glass in areas. The building was occupied by an adult video rental store and adult cabaret establishment that was under construction/renovation. The interior floors were improved with ceramic tiles and 1′ x 1′ vinyl tiles. Interior wall paint was generally in good condition. The ceiling in the retail store area was constructed of 2′ x 2′ suspended ceiling tiles. The ceiling in the dance floor area was constructed of 2′ x 4′ suspended ceiling tiles. Langan observed ceiling mounted fluorescent lighting assemblages in the retail store and dance floor areas. The basement was improved with brick walls, a concrete floor and a French drain system. Pools of water were observed on the concrete floor. Probable mold was observed on the walls, ceiling and exposed floor beams. The basement at 354 West Street was shared with the two-story building at 356 West Street. The rooftop area was improved with a rolled-on, built-up asphalt roof that appeared to be in good condition. One five-gallon container of asphalt roofing tar was observed on the rooftop.

356 West Street

The two-story building with a basement was constructed of concrete and brick. The building was occupied by an automobile repair garage on the ground floor and an office and storage area on the second story. The concrete floor of the garage was in good condition, but heavily stained in areas. No significant perforations, cracks, or migration pathways (i.e. floor drains or sumps) were observed in the concrete floor with the exception of two 1″ diameter holes in the southwest corner of the garage; the holes did not appear to extend below the concrete floor. The interior wall paint was in poor condition. The following equipment and items were observed in the garage: one hydraulic lift, two 55-gallon steel drums of waste oil on a wooden palette, auto batteries, spare parts (engines, brake rotors, suspension leaf springs, mufflers, and tires), typical automotive liquids (6-packs of motor oil, windshield washer fluid, engine coolant, grease, and cleaning supplies), compressors, propane tanks, and tool chests and cabinets. A containment vessel for hydraulic fluid was located next to the hydraulic lift. The concrete floor was heavily stained in the vicinity of the hydraulic lift and containment vessel. Sorbent pads were observed on the concrete floor next to the hydraulic lift, which indicated a past release of hydraulic oil to the concrete floor. The two 55-gallon drums were located above the former location of a 275-gallon waste oil UST. The concrete floor was heavily stained in the vicinity of both drums. The basement was improved with brick walls, a concrete floor and a French drain system. Pools of water were observed on the concrete floor. Probable mold was

observed on the walls, ceiling and exposed floor beams. The basement at 356 West Street was shared with the one-story building at 354 West Street. The rooftop area was improved with a rolled-on, built-up asphalt roof that appeared to be in good condition

Lot 4

The one-story building was constructed of concrete, brick, wood and aluminum with a slab-on-grade foundation. A wooden patio and open space were present in the rear and side of the building, respectively. The building was vacant and appeared to be formerly occupied by a restaurant/diner. The building was in very poor condition with heaps of garage present in the building interior and open space surrounding the building. The interior floors were improved with ceramic tiles, 1′ x 1′ vinyl tiles, and 2′ x 2′ terrazzo tiles. The ceiling was in poor condition and constructed of aluminum framing and wood paneling. An old refrigerator, walk-in freezer and grease trap were observed in the kitchen area. The rooftop area was improved with a rolled-on, built-up asphalt roof that appeared to be in poor condition.

Lot 5

The three-story building was constructed of concrete and brick with a slab-on-grade foundation and interior sheetrock walls on the second and third stories. The building was occupied by a hardware store on the ground floor and included product storage and display space and one bathroom. Interior wall paint was generally in good condition. The hardware store sold steel reinforcement supplies and parts as well as five-gallon buckets of exterior patching cement. The second and third stories were currently under construction/renovation for use as commercial space. Ceiling-mounted space heaters were observed on the ground floor. The ceiling on the ground floor was open with suspended mechanical and electrical equipment. Electrical baseboard heaters were observed on the second and third stories. The interior floors of the second and third stories were improved with wood panel flooring. The ceiling on the second and third stories was constructed of sheetrock and improved with recessed incandescent light fixtures. A hot water heater was observed on the second and third stories. The rooftop area was improved with a rolled-on, built-up asphalt roof that appeared to be in good condition One skylight with caulking around the window panes was observed on the rooftop. One roof drain was observed on the rooftop.

Lot 8

The vacant one-story building with a second story addition in the rear of the building and a partial basement was constructed of concrete and brick with interior sheetrock walls. The building was formerly occupied by an automobile repair garage, car wash and express oil change shop. The second story addition was a former residential apartment. The partial basement where three 1,000-gallon used oil/waste oil ASTs, one 500-gallon used oil/waste oil AST and three 500-gallon temporarily-out-of-service ASTs were apparently located was not accessible and therefore not inspected as part of the Site reconnaissance. Trench drains were observed under the roll-up gate at West Street and one of the three roll-up gates along Leroy Street.

The interior of the one-story building included a cashier booth and lobby, an express oil change pit (approximately 40 feet in length and 3 feet in width), a car wash track and collection basin, tire racks and storage, multiple open rooms (presumably the location of the former automobile repair garage and storage areas), multiple bathrooms and a utility closet with a hot water heater. Concrete flooring was observed in and around the oil change pit and car wash and throughout the former automobile repair garage areas. The interior floors improved with ceramic tiles in the lobby area and bathrooms and 1' x 1' vinyl tiles in the former storage rooms. Fluorescent lighting assemblages were observed throughout the interior of the building. Interior wall paint was generally in poor condition. The express oil change pit was full of petroleum. Four vent pipes and three fill ports were observed in the vicinity of the oil change pit near the rollup gate at Leroy Street. The concrete flooring in the vicinity of the oil change pit was in good condition, but heavily stained near the roll-up gate at West Street. The trench drain at this roll-up gate was dry, but heavily stained. One hydraulic lift and one multilevel sump were observed in the former automobile repair garage areas. The following storage containers were observed in the building: one 55-gallon plastic drum of high gloss wax, one 55-gallon plastic drum of malodor destroyer with biozyme, one 55-gallon plastic drum with unknown contents, one 55-gallon corroded steel drum with unknown contents, and one 55-gallon steel drum with white kerosene.

The interior of the second-story rear addition included a kitchen area, three bedrooms, one bathroom, and access to the rooftop above the one-story structure. The interior floors were improved with wood panel flooring. Interior wall paint was generally in good condition with the exception of a few areas where obvious signs of water damaged was observed.

The rooftop area of the one-story structure was improved with a rolled-on, built-up asphalt roof that appeared to be in good condition with flashing at the seams. Multiple skylights with caulking around the window panes were observed on the rooftop. One roof drain was observed on the rooftop.

Lot 10

The two-story building was constructed of concrete and brick with a slab-on-grade foundation and interior painted plaster walls. The building was formerly occupied by a pasta manufacturing facility. A business placard on the building's façade identified the owner and/or tenant as "Raffeto's Corp: Makers of Fresh Pasta Since 1906." The ground floor included a loading dock, multiple freezer/refrigerator rooms, and one central manufacturing room. Fluorescent lighting assemblages were observed throughout the ground floor. Suspended 2' x 4' ceiling tiles were observed in the hallways and in the loading dock. The ceiling was open in a few areas; suspended and insulated mechanical and electrical equipment was observed. A hot water heater was observed on the ground floor. The second story was formerly used as office space; desks, computers and filing cabinets were observed. Fluorescent lighting assemblages and tracked-mounted incandescent lighting fixtures were observed throughout the second story. The interior floors on the second story were improved with 1' x 1' vinyl floor tiles and/or carpeting. Suspended 2' x 4' ceiling tiles were observed throughout the second story. The ceiling was open in a few areas; suspended and insulated mechanical and electrical equipment was observed. The rooftop area of the two-story structure was improved with a rolled-on, built-up asphalt roof that appeared to be in good condition with flashing at the seams.

Pits, Ponds, Lagoons

Langan did not observe pits, ponds, or lagoons at Lots 1, 4, 5 or 10. An oil change pit that was full of waste oil was identified in Lot 8. This observation was an atypical condition as oil change pits in auto garages are normally accessible and not filled to grade level with oil. It is assumed that Lot 8 was flooded during Tropical Storm Sandy.

Pools of Liquid

With the exception of small pools of water in the basement of 354 and 356 West Street, Langan did not observe any pools of liquids at Lot 1. Langan did not observe pools of liquids at Lots 4, 5, and 10. A pool of waste oil was identified in the oil change pit at Lot 8.

Storm Drains, Wells, and Cisterns

Langan did not observe floor drains, wells or cisterns at Lots 1, 4, or 5. One floor drain adjacent to the oil change pit was identified at Lot 8. Multiple floor drains were observed on the ground floor of the two-story building on Lot 10.

Polychlorinated Biphenyl (PCB) Transformers and Suspect Equipment

Langan observed fluorescent lighting assemblages with suspected mercury containing light fixtures and suspected PCB-containing ballasts at Lots 1 (354 West Steet), 8, and 10.

Storage Containers and Drums

Langan identified two 55-gallon steel drums of waste oil and multiple six-packs of new motor oil at Lot 1 (356 West Street). In addition, one 55-gallon plastic drum of high gloss wax, one 55-gallon plastic drum of malodor destroyer with biozyme, one 55-gallon plastic drum with unknown contents, one 55-gallon corroded steel drum with unknown contents, and one 55-gallon steel drum with white kerosene were identified at Lot 8. Additional storage containers and drums were reportedly observed in the partial basement below the oil change pit in Lot 8 during Langan's 2012 site investigation. The partial basement was not accessible during the Site reconnaissance due to flooding. Langan did not observed any storage containers or drums in Lot 10.

Air Emissions or Wastewater Discharges

Langan did not observe evidence of air or wastewater discharges at the Site.

Sumps

Langan did not observe sumps at Lots 1, 4, or 5. Langan observed one sump in the area of the former automobile repair garage in Lot 8. Langan observed one sump on the ground floor near the Leroy Street entrance in the two-story building on Lot 10.

USTs or ASTs

Langan did not observe USTs or ASTs at Lot 1, 4, 5 or 10. Langan did not observe USTs or ASTs at Lot 8; however, four vent pipes and three fill ports (indicative of USTs and/or ASTs) were identified. According to the regulatory databases searched as part of this Phase I ESA, three in-service 1,000-gallon ASTs and one in-service 500-gallon AST were registered for 160

Leroy Street (Lot 8). According to Langan's 2012 ESI Report, four ASTs were observed in the partial basement below the oil change pit. The partial basement was not accessible during the Site reconnaissance.

Monitoring Wells or Remedial Activities

No monitoring wells were observed within the physical boundaries of the Site. However, one monitoring well was observed in the sidewalk to the north of 359-361 West Street / 160-162 Leroy Street adjacent to Leroy Street. This well is an observation well installed by Langan for a geotechnical investigation. This monitoring well is not indicative of a previous environmental investigation.

Stained or Discolored Soil

Langan did not observe stained or discolored soil at Lot 1, 4, 5 or 10. Stained and discolored soil was identified in Lot 8 within the collection basin of the car wash track.

Leachate or Seeps

Langan did not observe leachate or seeps at the Site.

Adjoining and Surrounding Property Uses

The Site consists of four adjoining properties within the city block bordered by Leroy Street to the north, West Street to the west, Clarkson Street to the south, and Washington Street to the east. The Site is adjoined to the north, south and east by multistory residential building with ground-level retail space and multistory commercial buildings. Pier 40 and Hudson River Park were located to the west of the Site across West Street. The surrounding area beyond the adjoining properties consisted of multistory residential and commercial buildings with ground-level, retail, entertainment, and restaurant uses. A private gasoline filling station operated by the United Parcel Service was located on the adjoining block to the southeast.

Site Reconnaissance Conclusions

The Site reconnaissance revealed the following on-site RECs:

- Floating oil in the express oil change pit at 359-361 West Street and 160-162 Leroy Street (Lot 8) led to the reporting of a spill to the NYSDEC on April 8, 2013. The NYSDEC assigned Spill No. 13-00212 to the case.
- Current use of 356 West Street (Lot 1) as an automobile repair garage is considered an on-site REC. Evidence of poor housekeeping practices and staining around the hydraulic lift, 55-gallon drums of waste oil, and throughout the garage were observed during the inspection.
- Current on-site petroleum bulk storage at 359-361 West Street and 160-162 Leroy Street (Lot 8) is considered an on-site REC. A release from these ASTs is presumed to be the source of NYSDEC Spill No. 13-00212. The ASTs were not observed during the Site reconnaissance because the basement was flooded and inaccessible.

The Site revealed evidence of the following non-scope environmental conditions:

- Fluorescent lighting assemblages with suspected mercury containing light fixtures and suspected PCB-containing ballasts based on the age of the buildings;
- Suspected lead-based paint, based on the age of the buildings on the Site;
- Caulking on skylight windows may contain PCBs, lead and/or asbestos;
- Suspected asbestos containing material (ACM). Suspected ACM identified at the Site included, but is not limited to the following:
    - Rolled-on asphalt roofing;
    - Flashing at seams of roll-on asphalt roofing, flashed seals of terracotta shingles, and flashing around the parapet and rooftop penetrations;
    - Caulking on skylight windows;
    - Sheetrock and plaster wallboard;
    - Piping insulation;
    - Cove base and mastic;
    - 1'x 1' vinyl floor material and mastic;
    - 2' x 2' terrazzo floor material and mastic;
    - 2' x 2' ceiling tiles
- Suspect mold identified in the basement of 354 West Street and 356 West Street (Lot 1).

7.0 INTERVIEWS

7.1 Site Owner

As per ASTM E1527-05, a questionnaire was provided to the Owners/Operators/Site Managers in order to obtain specialized Owner/Operator/Site Manager knowledge.

Lot 1

Bergnat Realty Associates LP, the owner of Lot 1, completed the ASTM E1527-05 Owner/Operator/Site-Manager Questionnaire on May 7, 2013. Bergnat Realty Associates LP did not know of the following:

- Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property;
- Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on or from the property;
- Any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products;
- Any environmental site assessment reports, environmental compliance audit reports, environmental permits, registrations for underground and aboveground storage tanks, material safety data sheets, community-right-to-know plan, spill prevention plans, safety plans, hydrogeological condition reports, notices or other correspondence from any governmental agency relating to past or current violations of environmental laws or environmental liens with respect to the property, hazardous waste generator notices or reports, geotechnical studies, risk assessments, recorded activity and use limitations, and environmental cleanup reports; and
- The previous owner, occupant and facility manager of Lot 1.

The completed Owner questionnaire for Lot 1 is included in Appendix M.

Lot 4

APMM Leroy LLC, the owner of Lot 4, completed the ASTM E1527-05 Owner/Operator/Site-Manager Questionnaire on May 1, 2013. APMM Leroy LLC did not know of the following:

- Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property;

- Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on or from the property;

- Any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products;

- Any environmental site assessment reports, environmental compliance audit reports, environmental permits, registrations for underground and aboveground storage tanks, material safety data sheets, community-right-to-know plan, spill prevention plans, safety plans, hydrogeological condition reports, notices or other correspondence from any governmental agency relating to past or current violations of environmental laws or environmental liens with respect to the property, hazardous waste generator notices or reports, geotechnical studies, risk assessments, recorded activity and use limitations, and environmental cleanup reports; and

- The previous occupant and facility manager of Lot 4.

APMM Leroy LLC indicated it had knowledge of previous geotechnical studies and the contact information for the previous owner of the property. The completed Owner questionnaire for Lot 4 is included in Appendix M.

Lot 5

Hugh A. Feinberg, the Site Manager of Lot 5, completed the ASTM E1527-05 Owner/Operator/Site-Manager Questionnaire on May 7, 2013. Mr. Feinberg did not know of the following:

- Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property;

- Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on or from the property; and

- Any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

- Any environmental site assessment reports, environmental compliance audit reports, environmental permits, registrations for underground and aboveground storage tanks, material safety data sheets, community-right-to-know plan, spill prevention plans, safety plans, hydrogeological condition reports, notices or other correspondence from any governmental agency relating to past or current violations of environmental laws or environmental liens with respect to the property, hazardous waste generator notices or reports, geotechnical studies, risk assessments, recorded activity and use limitations, and environmental cleanup reports.

Mr. Feinberg indicated that he did not know the previous owner, occupant or facility manager of Lot 5. The completed Owner questionnaire for Lot 5 is included in Appendix M.

Lot 8

APMM Leroy LLC, the owner of Lot 8, completed the ASTM E1527-05 Owner/Operator/Site-Manager Questionnaire on May 1, 2013. APMM Leroy LLC did not know of the following:

- Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on or from the property;

- Any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products;

- Any environmental compliance audit reports, environmental permits, registrations for underground and aboveground storage tanks, material safety data sheets, community-right-to-know plan, spill prevention plans, safety plans, notices or other correspondence from any governmental agency relating to past or current violations of environmental laws or environmental liens with respect to the property, hazardous waste generator notices or reports, risk assessments, and recorded activity and use limitations; and

- The previous facility manager of Lot 8.

APMM Leroy LLC indicated it had knowledge of pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from Lot 8 (NYSDEC Spill #13-00212). APMM Leroy LLC also indicated it had knowledge of previous environmental site assessment reports, hydrogeological condition reports, geotechnical studies, and environmental cleanup reports for Lot 8. In addition, APMM Leroy LLC indicated it

had knowledge of the previous owner and previous occupant of the Lot 8. The completed Owner questionnaire for Lot 8 is included in Appendix M.

Lot 10

APMM Leroy LLC, the owner of Lot 10, completed the ASTM E1527-05 Owner/Operator/Site-Manager Questionnaire on May 1, 2013. APMM Leroy LLC did not know of the following:

- Any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property;
- Any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on or from the property;
- Any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products;
- Any environmental site assessment reports, environmental compliance audit reports, environmental permits, registrations for underground and aboveground storage tanks, material safety data sheets, community-right-to-know plan, spill prevention plans, safety plans, hydrogeological condition reports, notices or other correspondence from any governmental agency relating to past or current violations of environmental laws or environmental liens with respect to the property, hazardous waste generator notices or reports, geotechnical studies, risk assessments, recorded activity and use limitations, and environmental cleanup reports; and
- The previous occupant and facility manager of Lot 10.

APMM Leroy LLC indicated it had knowledge of previous geotechnical studies and the contact information for the previous owner of the property. The completed Owner questionnaire for Lot 10 is included in Appendix M.

7.2 Site Occupants

No occupants/tenants of the Site were interviewed during Site Reconnaissance with the exception of an employee of #1 Auto Tech Group of 356 West Street. The employee stated that one 275-gallon waste oil UST was closed and removed from the property in January 2013. The employee provided photographs of the UST removal work, a copy of the NYSDEC PBS

closure application and a receipt for the waste oil pumped from the UST. The tank appeared to be in good condition with no significant perforations or visible signs of damage and the material in the UST grave did not appear be visually impacted with petroleum. In total, 225 gallons of waste oil were removed from the UST. After the UST was removed, the UST grave was backfilled with fragments of concrete block. The employee was unaware of whether environmental samples (i.e. soil and/or groundwater) were collected and analyzed as part of the UST removal work.

7.3 Owners/Tenants of Adjoining and Surrounding Properties

Owners/tenants of adjoining properties were not interviewed as part of this Phase I ESA.

8.0 ADDITIONAL SERVICES

8.1 Radon

Radon is a colorless, odorless radioactive gas that results from the natural breakdown of uranium minerals in soil, rock, and water, which subsequently enters the atmosphere. It can concentrate in buildings, entering through cracks and other penetrations of a building foundation. Some areas are more likely to have elevated concentrations of radon than others, reflecting subsurface lithologic conditions.

According to the USEPA radon map, Manhattan is considered a Zone 3 area, which indicates the predicted average indoor radon levels are less than 2 picoCuries per liter (pCi/L), The New York State Department of Health (NYSDOH) maintains a database of radon test results on a local and county level. According to the NYSDOH, a total of 61 radon tests have been conducted in New York County with results indicating that 0.9 % of living areas and 4% of basements have radon concentrations above 4 pCi/L, the USEPA action level. It is unlikely that elevated levels of radon gas are present at the Site. A USEPA radon map is provided as Appendix N.

8.2 Asbestos-Containing Material, Lead-Based Paint, and PCBs

An intrusive survey to identify ACM, lead-based paint (LBP) and/or PCB-containing material was not conducted as part of this Phase I ESA. However, evidence of suspected ACM, LBP and PCB-containing material was observed during the Site reconnaissance. A description and list of the suspected ACM, LBP and PCB-containing material identified at the Site is provided in Section 6.2.

9.0 DEVIATIONS

Langan has performed a Phase I ESA of the Subject Properties utilizing a standard of good commercial and customary practice that is consistent with the ASTM E1527-05 and the 40 Code of Federal Regulations (CFR) Part 312 Standards and Practices for AAI. Significant deviations were not made to the above referenced standards.

9.1 Data Gaps

In order to address data gaps, additional sources of information may be consulted. According to AAI, Section 312.20 (g), "to the extent there are data gaps (as defined in section 312.10) in

the information developed...that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases...such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps." According to ASTM E 1527-05, Section 8.3.2.3, "historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met. If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for the exclusion.

As noted in Section 6.2, Langan was unable to inspect the partial basement of the building located at 359-361 West Street and 160-162 Leroy Street (Lot 8) due to access restrictions related to NYSDEC Spill No. 13-00212. The inability to inspect this areas is a deviation in scope and a data gap with respect to the ASTM Standard E-1527-05. However, the lack of an inspection in this area is not expected to significantly affect the findings of this Phase I ESA in regards to the identification of on-site RECs, HRECs and *DeMinimis* conditions as at least one or more of the ASTs located in the partial basement of the building located at Lot 8 leaked as a result of the flooding from Tropical Storm Sandy.

10.0 FINDINGS, OPINIONS, AND CONCLUSIONS

This Phase I ESA was conducted in accordance with the ASTM Practice E1527-05 (Standard Practice for ESA: Phase I ESA Process) and the USEPA AAI Rule. The objective of this Phase I ESA was to identify the presence or likely presence, use, or release on the Site of hazardous substances or petroleum products as defined in ASTM E1527-05 as a REC.

Recognized Environmental Conditions (RECs)

The following RECs were identified at the Site:

REC 1 – Open Petroleum Spill

At least four feet of floating oil, presumably caused by flooding associated with Tropical Storm Sandy, was identified in the maintenance pit at the former express oil change at 359-361 West Street and 160-162 Leroy Street (Lot 8) during the site reconnaissance completed as part of this Phase I. In response to this finding, the New York State Department of Environmental Conservation (NYSDEC) was notified and NYSDEC Spill No. 13-00212 was assigned on April 8, 2013. The open petroleum spill case is considered a REC as it represents an existing release to structures on the property, a material threat of release to the ground and groundwater, and is subject to enforcement action by a regulatory agency.

REC 2 – Current Use of the Site

Current use of 356 West Street (Lot 1) as an automobile repair garage is considered a REC as potential leaks and/or spills of petroleum, solvents, or other hazardous substances typically used by such a facility may have adversely impacted soil, groundwater, and/or soil vapor at the property. Evidence of poor housekeeping practices, including staining around the hydraulic lift, 55-gallon waste oil drums, and throughout the garage floor were identified during the site reconnaissance.

REC 3 – On-Site Petroleum Bulk Storage

Seven aboveground storage tanks (ASTs) are present at 359-361 West Street and 160-162 Leroy Street (Lot 8), including three 1,000-gallon lube oil ASTs, one 500-gallon waste oil AST and three 500-gallon temporarily-out-of-service ASTs. A release from these ASTs is presumed to be the source of NYSDEC Spill No. 13-00212. The ASTs were not observed during the Site reconnaissance because the basement was flooded and inaccessible. A subsurface investigation was completed by Langan in 2012 to investigate historic releases associated with

these ASTs and no adverse impacts to soil, groundwater, and soil vapor were identified. However, based on the change in conditions at the Site since Tropical Storm Sandy and the release that is presumed to be associated with these ASTs, the release may have also impacted soil, soil vapor, and/or groundwater; on-site petroleum bulk storage is a REC.

REC 4 – Historical On-Site Petroleum Bulk Storage

A 275-gallon waste oil UST was removed and closed at 356 West Street (Lot 1) in January 2013. Although the UST was removed and closed and there is no documentation of a release, historical on-site petroleum bulk storage is considered a REC as it is unclear if environmental samples (i.e. soil and groundwater) were collected and analyzed as part of the UST removal work – a deviation from standard industry practice. Leaks or spills of petroleum from the former UST at Lot 1 may have adversely impacted soil, groundwater and/or soil vapor at Lot 1.

REC 5 – Historic Use of the Site

The historical use of Lot 10 as an automobile repair shop is considered a REC as potential leaks and/or spills of petroleum, solvents, or other hazardous substances typically used by such a facility may have adversely impacted soil, groundwater, and/or soil vapor at the property.

There were no Historic RECs identified at the Site. The following off-site Historic RECs (HRECs) were identified:

Historical Petroleum Spill Cases

- There are two closed petroleum spill cases associated with 149 Leroy Street, which adjoin the Site to the north across Leroy Street. The closed petroleum spill cases were associated with the discovery of petroleum-contaminated soil during removal of underground storage tanks (USTs) and a subsequent subsurface investigation. A total of 17 USTs and excavated petroleum-contaminated soil were removed from the property. The spill cases are not considered RECs as the spills were remediated to the satisfaction of the NYSDEC and were administratively closed, but are considered HRECs as they involved past releases of petroleum at an adjoining property.

- Two closed petroleum spill cases associated with 560 Washington Street, which adjoins the Site to the south across Clarkson Street. The spill cases are not considered RECs as the spills were remediated to the satisfaction of the NYSDEC and were administratively

closed, but are considered HRECs as they involved a past release of petroleum at an adjoining property.

- One closed petroleum spill case associated with 330 West Street, which adjoins the Site to the south across Clarkson Street. The spill case is not considered a REC as the spill was remediated to the satisfaction of the NYSDEC and was administratively closed, but is considered an HREC as it involved a past release of petroleum at an adjoining property.

De Minimis Conditions

De Minimis conditions were not identified at the Site.

The following off-site *De Minimis* conditions were idetnified:

In-Service Petroleum Bulk Storage

- Active petroleum bulk storage at 148 Leroy Street, 333 West Houston Street, and 560 Washington Street are considered off-site *De Minimis* conditions as the tanks store petroleum products, but are not affiliated with an open spill case, are generally not a threat to human health or the environment and are generally not subject to enforcement action by an agency.

Historical Use of Adjoining and Adjacent Properties

- The historical use of the adjoining property to the east of the Site (Block 601, Lot 13) as a railroad right-of-way is considered an off-site *De Minimis* condition. Environmental conditions typically associated with railroad rights-of-way include petroleum, metals, PCBs, pesticides and herbicides. However, since no historical spills or releases were associated with the property, the property's historical use is generally not a threat to human health or the environment and generally not subject to regulatory enforcement action, and the property's historical use is not an HREC, the property's historical use is considered an off-site *De Minimis* condition.

Additional Environmental Concerns

The following non-scope additional environmental conditions were identified at the Site:

- Based on a review of historic maps, the original shoreline of the Hudson River was east of the Site; The Site was built on made land. The presence of historic fill was confirmed during Langan's 2012 subsurface investigation. Excess historic fill material will likely be managed as a regulated solid waste after it is excavated and removed from the Site.
- Rodent habitation and animal nuisance conditions.
- Fluorescent lighting assemblages with suspect mercury containing light fixtures and PCB-containing ballasts;
- Suspect lead-based paint;
- Caulking on skylight windows which may contain PCBs, lead and/or asbestos;
- Suspect asbestos containing material (ACM). Suspected ACM identified at the Site included, but is not limited to the following:
    - Rolled-on asphalt roofing;
    - Flashing at seams of roll-on asphalt roofing, flashed seals of terracotta shingles, and flashing around the parapet and rooftop penetrations;
    - Caulking on skylight windows;
    - Sheetrock and plaster wallboard;
    - Piping insulation;
    - Cove base and mastic;
    - 1'x 1' vinyl floor material and mastic;
    - 2' x 2' terrazzo floor material and mastic;
    - 2' x 2' ceiling tiles; and
- Suspect mold identified in the basement of 354 West Street and 356 West Street (Lot 1)

11.0 REFERENCES

The following references were reviewed as part of this Phase I ESA:

Automated City Register Information System (ACRIS). Department of Finance. City of New York (http://www.nyc.gov/html/dof/html/property/acris.shtml). Data retrieved March 12, 2013.

City Planning Commission. Department of City Planning. City of New York. Zoning Map 12a.

Environmental Data Resources, Inc. March 11, 2013. Aerial Photo Decade Package.

Environmental Data Resources, Inc. March 11, 2013. City Directory Abstract.

Environmental Data Resources, Inc. February 15, 2013. City Directory Abstract.

Environmental Data Resources, Inc. March 20, 2013. Environmental Lien Search.

Environmental Data Resources, Inc. March 11, 2013. Historical Topographic Map Report.

Environmental Data Resources, Inc. March 11, 2013. Radius Map with GeoCheck.

Environmental Data Resources, Inc. March 12 , 2013. Sanborn Map Report.

Environmental Data Resources, Inc. March 11, 2013. Property Tax Map.

Environmental Protection Agency, USEPA Map of Radon Zones.

Environmental Site Investigation Report for 359 West Street (September 28, 2012), prepared by Langan Engineering & Environmental Services, Inc.

New York City Department of Buildings, Building Information System (http://www.nyc.gov/html/dob/html/bis/bis.shtml) Data retrieved March 11, 2013.

OASIS NYC(http://www.oasisnyc.com/map.aspx

12.0 STATEMENT OF QUALIFICATIONS AND SIGNATURES

Langan declares that, to the best of its professional knowledge and belief, the personnel who performed this Phase I ESA meet the definition of Environmental Professional as defined in Subsection 312 10 of 40 CFR 312 and that they have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Properties. They have developed and performed the AAIs in conformance with the standards and practices set forth in 40 CFR Part 312. Resumes outlining the qualifications of the Environmental Professionals who performed this Phase I ESA are provided in Appendix O.

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Michael Burke
Associate

Joel B. Landes, P.E.
Vice President/Senior Associate

FIGURES

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SITE RECONNAISSANCE PHOTOGRAPHS

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USER QUESTIONNAIRE

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APPENDIX E
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APPENDIX K
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APPENDIX L
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APPENDIX M
OWNER QUESTIONNAIRE

APPENDIX N
RADON MAP

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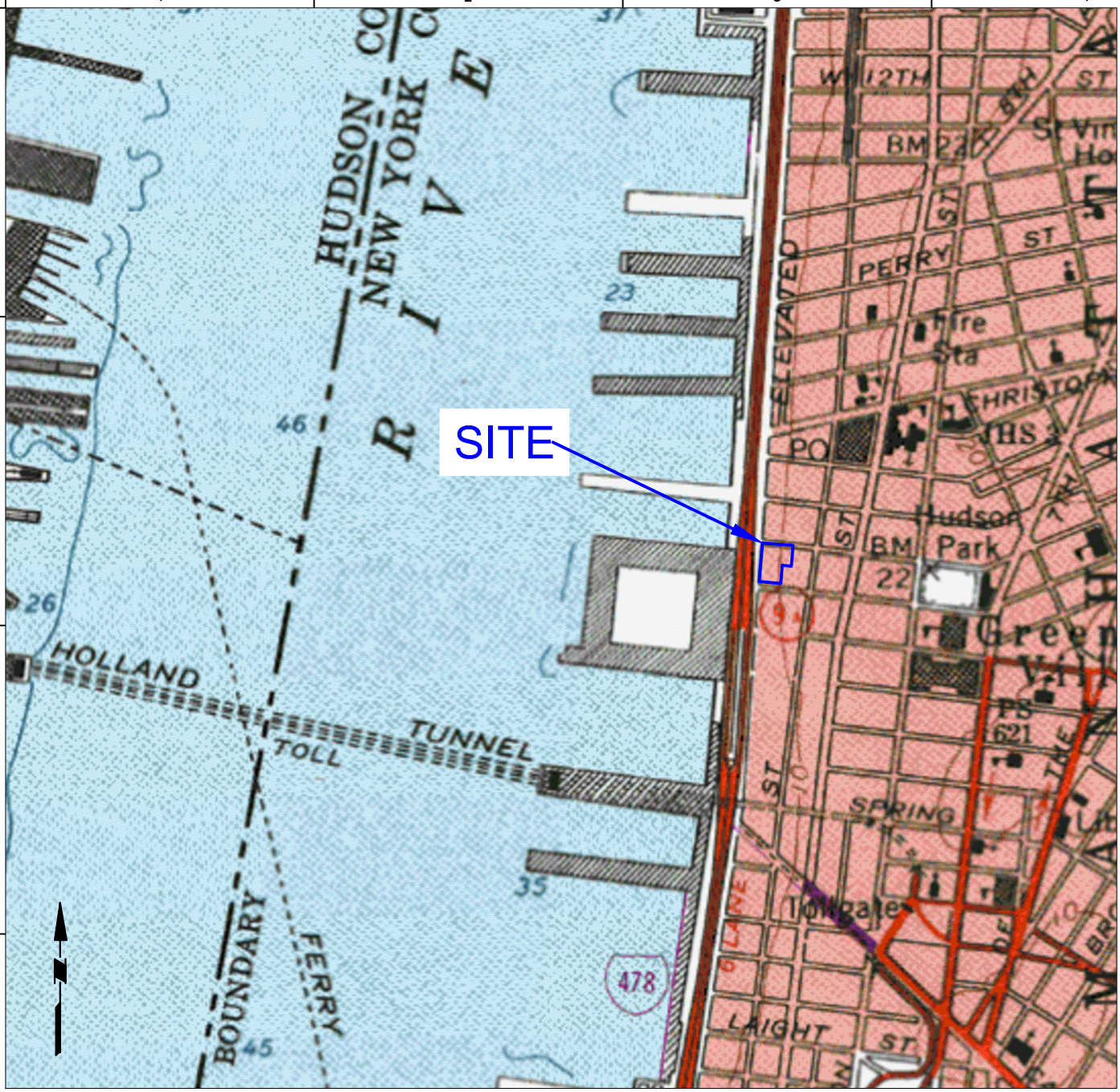
RESUMES

FIGURES



LEGEND

APPROXIMATE SITE BOUNDARY

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

Source: USGS Topographic Quadrangle Jersey City, NJ.

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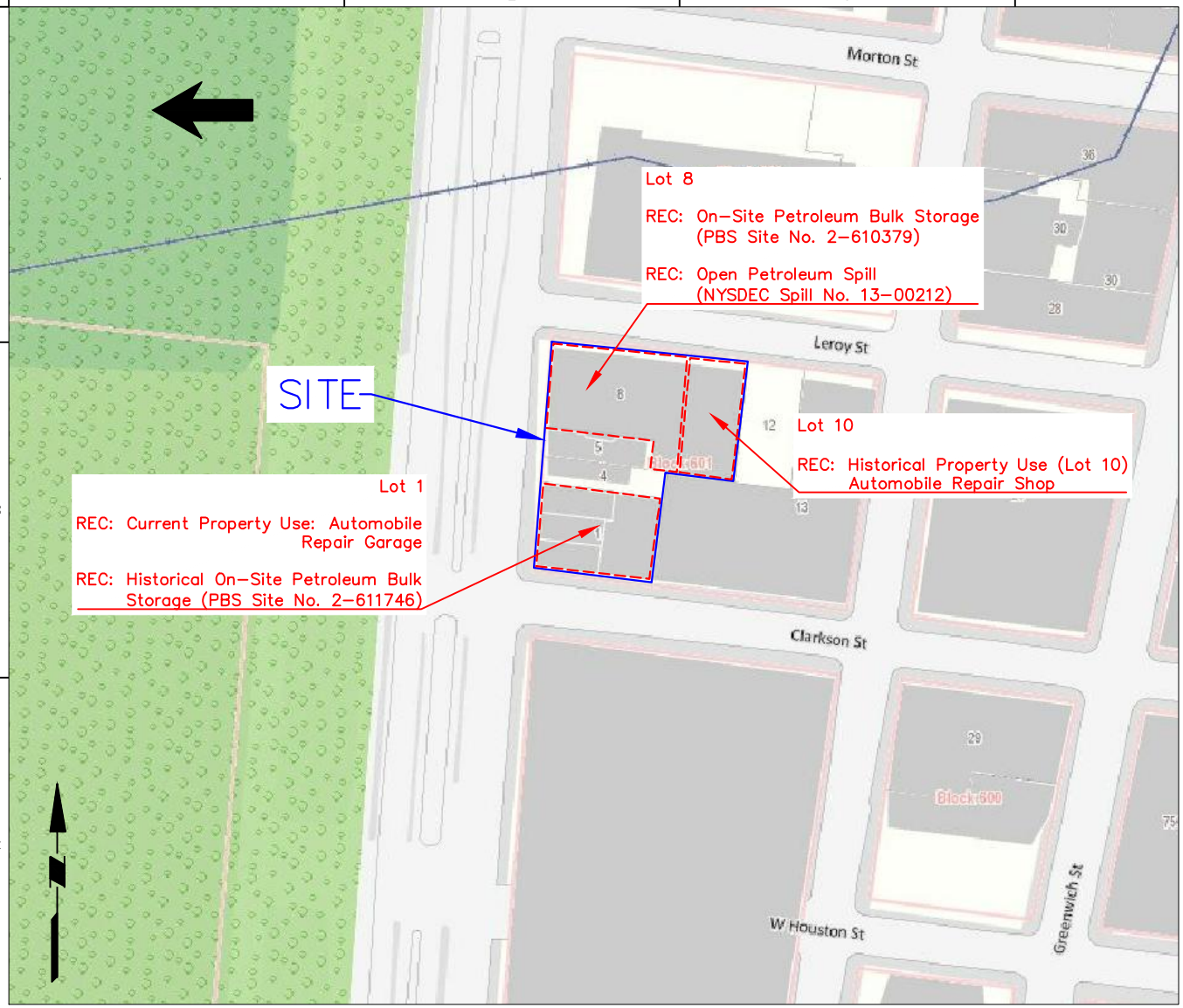
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project	Drawing Title	Project No.	Drawing No.
WEST & LEROY BLOCK No. 601 LOT Nos. 1,4,5,8,10 NEW YORK NEW YORK NEW YORK	SITE LOCATION MAP	170215701	1
		Date 4/12/2013	
		Scale NTS	
		Drawn By GW	
		Submission Date	Sheet 1 of 2

© 2013 Langan

Filename: \\langan.com\data\NY\data7\170215701\Cadd Data - 170215701\2D-DesignFiles\Environmental\Phase I ESA\Site_Location_Map.dwg Date: 4/12/2013 Time: 10:42 User: gwyka Style Table: Langan.stb Layout: ANSIA-BP



LEGEND

APPROXIMATE SITE BOUNDARY

APPROXIMATE LOT BOUNDARIES WITHIN SITE

REC — RECOGNIZED ENVIRONMENTAL CONDITIONS [RECs]

PRESUMED GROUNDWATER FLOW DIRECTION

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

150 0 125 150

SCALE IN FEET

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project

WEST & LEROY

BLOCK No. 601
LOT Nos. 1,4,5,8,10

NEW YORK

NEW YORK NEW YORK

Drawing Title

RECOGNIZED ENVIRONMENTAL CONDITIONS MAP

Project No. 170215701	Drawing No. 2
Date 4/12/2013	
Scale 1" = 150'	
Drawn By GW	
Submission Date	Sheet 2 of 2

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Filename: \\langan.com\data\NY\data7\170215701\Cadd Data - 170215701\2D-DesignFiles\Environmental\Phase I ESA\REC_Map.dwg Date: 4/12/2013 Time: 10:40 User: gwyka Style Table: Langan.stb Layout: ANSIA-BL

APPENDIX A
SITE RECONNAISSANCE PHOTOGRAPHS

Phase I ESA
West & Leroy
Site Inspection Photographs
April 5, 2013

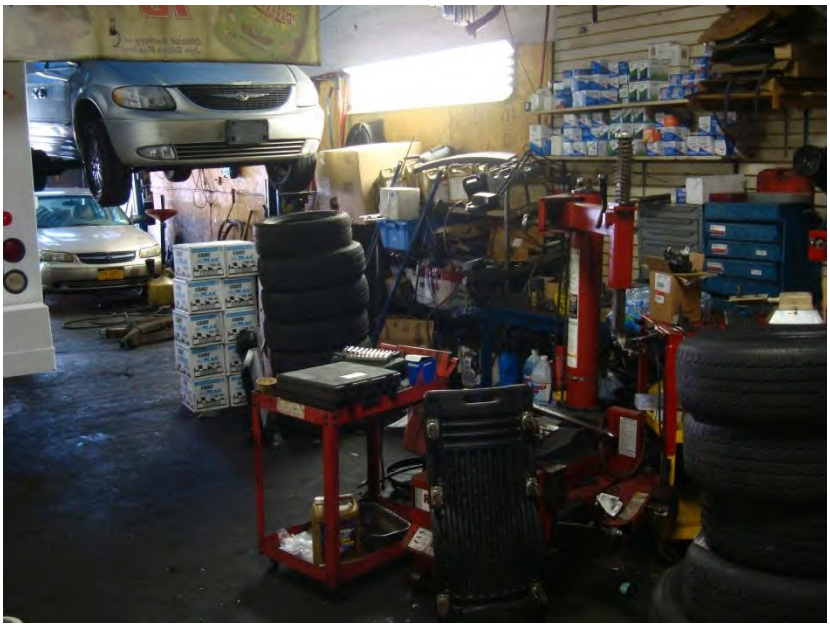

Photo 1: 356 West Street
View of Auto Body Shop Interior - West

Photo 2: 356 West Street
View of Auto Battery and Motor Oil Storage Racks - South

Photo 3: 356 West Street
View of Building Façade and Auto Body Shop Interior - East

Photo 4: 356 West Street / 354 West Street
View of Common Basement - East

Photo 5: 356 West Street / 354 West Street
View of Common Basement – West

Photo 6: 356 West Street
View of Rooftop – West

Photo 7: 354 West Street
View of Building Façade – North

Photo 8: 354 West Street
View of Rooftop - West

Photo 9: 75 Clarkson Street
View of Building Façade - North

Photo 10: 75 Clarkson Street
View of Rooftop – South

Photo 11: 357 West Street
View of Building Rear; Wooden Patio in Foreground – West

Photo 12: 357 West Street
View of Grease Trap in Kitchen Area - North

Photo 13: 358 West Street
View of Building Façade - East

Photo 14: 358 West Street
View of Rooftop - West

Photo 15: 359-361 West Street / 160-162 Leroy Street
View of Building Façade on West Street – North

Photo 16: 359-361 West Street / 160-162 Leroy Street
View of Building Façade on Leroy Street – South

Photo 17: 359-361 West Street / 160-162 Leroy Street
View of Rooftop - North

Photo 18: 359-361 West Street / 160-162 Leroy Street
View of Lube Change Pit – North

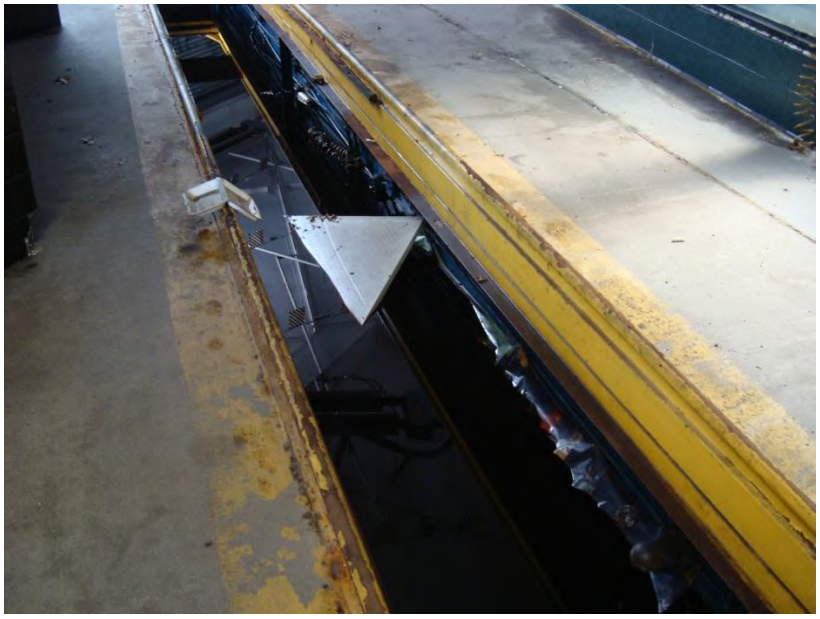

Photo 19: 359-361 West Street / 160-162 Leroy Street
View of Lube Change Pit (Full of Petroleum – Atypical Condition) – North

Photo 20: 359-361 West Street / 160-162 Leroy Street
View of Vent Pipes for ASTs Leading to Building Exterior – North

Photo 21: 359-361 West Street / 160-162 Leroy Street
View of 3 Fill Ports Near Lube Change Pit and Vent Pipes – East

Photo 22: 359-361 West Street / 160-162 Leroy Street
Close-Up View of Fill Port

Photo 23: 359-361 West Street / 160-162 Leroy Street
View of Car Wash Area – North

Photo 24: 359-361 West Street / 160-162 Leroy Street
View of Two 55-Gallon Drums (1 Plastic and 1 Steel)
with Unknown Contents – North

Photo 25: 359-361 West Street / 160-162 Leroy Street
View of 1 55-Gallon Steel Drum of White Kerosene

Photo 26: 359-361 West Street / 160-162 Leroy Street
View of White Kerosene Drum Label

Photo 27: 359-361 West Street / 160-162 Leroy Street
View of Two 55-Gallon Plastic Drums (Contents: High Gloss Wax and Malodor Destroyer with Biozyme) - North

Photo 28: 359-361 West Street / 160-162 Leroy Street
View of Building Interior – East

Photo 29: 359-361 West Street / 160-162 Leroy Street
View of Residential Space on Second Story - North

Photo 30: 156-158 Leroy Street
View of Building Facade – South

Photo 31: 156-158 Leroy Street
View of Building Façade – South

Photo 32: 156-158 Leroy Street
View of Rooftops – South

Photo 33: Subject Property View
View of Subject Property from West Street Median – Northeast

APPENDIX B
USER QUESTIONNAIRE

ASTM PRACTICE E 1527-05: USER/CLIENT QUESTIONNAIRE

Please complete the below form and return to
Langan Engineering and Environmental Services Inc.

Providing the following information (if available) to the environmental professional (Langan) is one of the requirements to qualify for one of the *Landowner Liability Protections* offered under CERCLA. Missing or incomplete information could result in a determination that "all appropriate inquiry" is not complete.

General Information

User/Client Name (s): IS LEROY DEVELOPMENT LLC

Property Name: LEROY STREET CONDOMINIUM

Address: BLOCK 601
LOTS 1, 4, 5, 8 and 10

Property Type: Vacant

Type of Property Transaction:

- Purchase of property ☐
- Financing of property ☐
- Sale of property ☐
- Ground Lease ☐
- Build to Suit Lease ☐
- Other DEVELOPMENT, REAL ESTATE

Reason Why Phase I ESA is required: BSA Approval

Site Contact (s): FOR ACCESS: RAY DELSAVIO
GORTON + PARTNERS

Required Information

The citation at the end of each item (e.g. 40 CFR 312.XX) is the section of EPA's November 1, 2005 AAI Final Rule which discusses that item.

(1.) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).

Yes ☐ No ☑

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? [Please note, unless specifically delegated in the Scope of Work for the Phase I ESA, it is the User's responsibility to undertake a review of recorded land title records and judicial records to identify any environmental liens and to report these liens to the environmental professional conducting a Phase I ESA.]

(2.) Activity and Land Use (AUL) limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Yes ☐ No ☑

Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been field or recorded in a registry under federal, tribal, state or local law? [Please note, unless specifically delegated in the Scope of Work for the ESA, it is the User's responsibility to undertake a review of recorded land title records and judicial records to identify any activity and use limitations and to report these limitations to the environmental professional conducting a Phase I Environmental Site Assessment.]

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(3.) Specialized knowledge or experience of the person seeking to qualify for LLP (40 CFR 312.28).

As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes	No
☐	☑

(4.) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).

	Yes	No
(a.) Does the purchase price being paid for this property reasonably reflect the fair market value of the property? [If no, proceed to Parts 4b and 4c.]	☑	☐
(b.) If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?	☐	☐
(c.) Identify an explanation for the lower price and provide a written record of such explanation as an attachement.		

(5.) Commonly known or reasonably known or reasonably ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

	Yes	No
	☑	☐
(a.) Do you know the past uses of the property?	☑	☐
(b.) Do you know of specific chemicals that are present or once were present at the property?	☐	☑
(c.) Do you know of spills or other chemical releases that have taken place at the property? LOT #8 ONLY.	☑	☐
(d.) Do you know of any environmental cleanups that have taken place at the property?	☐	☑

(6.) The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate Investigation (40 CFR 312.31).

As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property? LOT #8 ONLY

Yes	No
☑	☐

SIGNATURE:

It is understood that the information presented in this form is an integral part of the Phase I ESA process and that Langan will evaluate and rely on this information in the development of the final Phase I ESA report.

Completed By: _____

Print/Type Name: Michael Overington

Title: Authorized Signer

Company: IS LEROY DEVELOPMENT LLC

Date: May 1, 2013

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APPENDIX C
PREVIOUS ENVIRONMENTAL REPORTS

September 28, 2012

Raymond L. Del Savio
Gorton & Partners, LLC
21 West 38th Street, 6th Floor
New York, NY 10018

Re: Environmental Site Investigation Report
359 West Street
New York, New York
Langan Project No.: 170215701

Dear Mr. Del Savio:

On behalf of Gorton & Partners, LLC, Langan prepared this environmental site investigation report in support of your due diligence of the property at 359 West Street in Manhattan, New York (the site). The objective of this environmental investigation is to supplement the findings from the Phase II Environmental Site Investigation (ESI), performed by IVI Environmental, Inc. (IVI) in July 2007, in order to better evaluate subsurface environmental conditions. This report includes a summary of the background and existing data, a description of our field investigation procedures including soil, groundwater and soil gas sampling, analytical results and our conclusion and recommendations.

PROJECT BACKGROUND

We understand that the building occupying 359 West Street will be demolished to allow for redevelopment. The foundation design has not yet been finalized. For this investigation, we evaluated soil conditions to 12 feet below the slab.

Site Location and Description

The site is identified as Block 601, Lot 8 on the City of New York official tax maps and located on the northwest corner of the city block bound by Leroy Street to the north, Washington Street to the east, Clarkson Street to the south and West Street to the west. A site location map is included as Figure 1.

The site lot is 9,985 square feet and is improved with a two-story, 12,517 square foot building with a cellar. The cellar was used a lube pit while the building was an active carwash and lube/oil change shop. At the time of this investigation, the building was vacant.

Previous Investigations

A Phase I environmental site assessment was completed by IVI on December 28, 2005. The Phase I report was not available for review. A Phase II ESI, performed by IVI in July 2007, included completion of two soil borings, collection and analysis of two soil samples, installation of two temporary monitoring wells and collection and analysis of two groundwater samples. A complete copy of IVI's Phase II ESI is included in Attachment A. Relevant information is summarized below:

Two soil borings, B-1 and B-2, were completed to a depth of 16-feet below ground surface (bgs). Groundwater was observed approximately 10-feet bgs.

IVI did not observe visual or olfactory evidence of contamination in subsurface soils; however, elevated total organic vapor concentrations measured with a photoionization device (PID) were reported between 0.6 parts per million (ppm) and 117 ppm.

IVI submitted two soil samples, B-1 and B-2, for analysis. Soil samples were analyzed for volatile organic compounds (VOC), semi-volatile organic compounds (SVOC) and metals. Volatile organic compounds were not detected in soil. Three SVOC and four metal compounds were detected in soil at concentrations above the New York State Department of Environmental Conservation (NYSDEC) Technical Administrative Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objectives (RSCOs). IVI concluded that the presence of these compounds are not indicative of a spill, but are related to historic fill material at the site.

IVI also submitted two groundwater samples, B-1 and B-2, for analysis. Groundwater samples were analyzed for VOC, SVOC and metals. No compounds were detected at concentrations above the NYSDEC Technical and Operational Guidance Series (TOGS) Class GA Water Quality Standards (WQS).

FIELD INVESTIGATION

The purpose of this investigation is to evaluate subsurface conditions and supplement the findings IVI's Phase II. Our field activities were performed on September 17, 2012 and consisted of the following:

- Observation and inventory of site cellar/oil change pit;
- Advancement of two soil borings and collection and analysis of four soil samples (two from depths of 3 to 5 feet, one from 7 to 9 feet, and one from 10 to 12 feet below the slab);
- Installation of two temporary monitoring wells screened at 5 to 15 feet and 10 to 20 feet below the slab;
- Collection and analysis of two groundwater samples, and;
- Installation of one sub-slab soil vapor point and analysis of one sub-slab soil vapor sample.

Photographs documenting our field investigation are included as Attachment B.

Site Observation and Inventory

Langan observed and inventoried the lube/oil change pit. The area was entered via a wall ladder at the western end of the oil change pit. The following is a summary of significant observations:

- Four Lube Cube® above ground storage tanks (ASTs) were observed in the cellar. Signage indicated the ASTs contained motor oil 10W-30 and appeared to be in good condition. The contents could not be confirmed; however, Langan observed liquids in each AST.
- Two, plastic, 55-gallon drums were observed in the cellar. The drums appeared to be in good condition with no signs of leakage or corrosion. The contents of each drum could not be confirmed; however, liquid was identified in each drum.
- Three steel drums, consisting of one 30-gallon and two 55-gallon open-topped drums, were observed in the cellar. We observed oil in each drum. Indications of leakage and corrosion were observed surrounding the 30-gallon drum.
- The cellar floor is concrete and in general good conditions (free of major cracks or penetrations).
- One floor drain or possible fill port was observed at the eastern end of the cellar (see Photo 5 in Attachment B). An oily-like fluid was observed in the drain and evidence of staining was observed on the floor in the surrounding area.
- Indications of spillage, including residual oil and staining were observed throughout the cellar floor.

Soil Investigation

Aquifer Drilling and Testing, Inc. (ADT) of Mineola, New York completed the soil borings, well installations, and soil vapor sampling point installation. ADT advanced two soil borings (SB-1 and SB-2) to depths of 15 and 20 feet bgs using a track-mounted, Geoprobe® 6610 direct-push sampler. Soil samples were collected continuously into five-foot Macro-Core® sample barrels with dedicated acetate liners. Soil samples were inspected for visual and olfactory evidence of contamination and screened for total organic vapors with a PID equipped with a 10.6 electron volt lamp. Field observations were documented in boring logs, which are included as Attachment C. Boring locations are shown in Figure 2.

Four grab soil samples were collected into laboratory-supplied containers and delivered via courier under standard chain-of-custody protocol to Chemtech Environmental Laboratories, Inc (Chemtech), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) accredited laboratory in Mountainside, New Jersey. Langan collected one grab sample from fill and one from the capillary fringe at each location. The fill sample was collected because of elevated PID readings and observed ash and other anthropogenic material. The capillary fringe sample was collected to assess the unsaturated soil and groundwater interface and because no other indications of contamination was observed.

Grab soil samples from fill were analyzed for target compound list (TCL) VOCs by Environmental Protection Agency (EPA) method 8260, TCL SVOCs by EPA method 8270, target analyte list (TAL) metals by EPA Methods 6010B/7471A, polychlorinated biphenyls (PCB) by EPA method 8082, pesticides by EPA method 1699 and herbicides by EPA method 8151. Grab soil samples collected from the capillary fringe were analyzed for TCL VOC, TCL SVOC and TAL metals only. Grab VOC soil samples were collected with Encore™ soil sampling kits.

Groundwater Investigation

ADT installed temporary groundwater monitoring wells (TMW-1 and TMW-2) at each boring by inserting one-inch diameter, schedule 40 polyvinyl chloride (PVC), 0.01-inch, 10-feet-long, slotted screen and attached riser into the open borehole. An oil-water interface probe was used to measure depth to groundwater and screen for light, non-aqueous phase liquids. Groundwater was recovered from each well using a peristaltic pump and dedicated polyethylene tubing. Prior to sample collection, groundwater parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential) were recorded using a Horiba® U-52 water quality meter. Groundwater parameters are provided in Attachment D.

Two groundwater samples were collected into laboratory-supplied glassware and delivered via courier service under standard chain-of-custody protocol to Chemtech. Groundwater samples collected from wells TMW-1 and TMW-2 were analyzed for TCL VOCs by EPA Method 8260, TCL SVOCs by EPA Method 8270, TAL metals by EPA Methods 6010B/7471A, PCBs by EPA Method 8082, pesticides by EPA Method 1699 and herbicides by EPA Method 8151. Temporary monitoring well locations are shown in Figure 2.

Soil Vapor Investigation

ADT installed a gas vapor implant 6 inches below the slab. ADT penetrated the concrete slab with a hammer drill and inserted the gas vapor implant into the open borehole. Prior to sample collection, each sampling point was purged using a PID at a rate of 0.5 liters per minute (L/min) to evacuate a minimum of three sample tubing volumes. As a quality assurance/quality control (QA/QC) measure, an inert tracer gas (helium) was introduced into an above-grade sampling chamber and then a helium detector was attached to the tubing. This step ensured that the soil vapor sampling point was properly sealed above the target sampling depth and confirmed that ambient air did not infiltrate the subsurface during sampling.

Soil vapor samples were collected into laboratory-supplied, batch-certified six-liter Summa® canisters that were calibrated for a sampling rate of 0.05 L/min for 120 minutes of sampling. The collected samples were delivered via courier service to Chemtech under standard chain-of-custody protocol and analyzed for VOCs by EPA Method TO-15. Soil vapor sample logs are provided in Attachment E.

OBSERVATIONS AND RESULTS

Subsurface Observations

Historic fill, consisting primarily of fine to coarse sand with some silt, gravel, brick, concrete, and ash, extends from ground surface to depths ranging between 7 feet (SB-1) and 10 feet bgs (SB-2). Fine sand interlayered with silt underlies the fill. The depth to groundwater was 9.5 in TMW-1 and 13.1 feet in TMW-2.

Visual and olfactory evidence of contamination was not observed in soil or groundwater at the site. Elevated PID readings were observed in historic fill. PID readings up to limits of the instrument (9,999 ppm) were observed at 4 feet bgs in each boring. PID readings steadily decreased with depth at each location to 0.1 ppm at termination depth.

Analytical Results

Complete analytical results for soil, groundwater and sub-slab soil vapor samples are included as Attachment F. Significant results are summarized below.

Soil Sample Results

Analytical results were compared to Title 6 of the New York Codes, Rules and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs). The analytical results are summarized in Table 1 and presented on Figure 2.

Volatile Organic Compounds

One VOC, tetrachloroethene, was detected in soil sample in LB-1 (3-5) at a concentration below its Unrestricted Use SCO.

Semi Volatile Organic Compounds

Twenty SVOCs were detected in one or more samples, including seven at concentrations greater than the Unrestricted Use SCOs. The following SVOCs were detected at concentrations greater than their respective Unrestrictive Use SCOs:

- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(b)fluoranthene
- Benzo(K)fluoranthene
- Chrysene
- Dibenz(a,h)anthracene
- Indeno(1,2,3-cd)pyrene

These polycyclic aromatic hydrocarbons (PAH) are commonly found in historic urban fill and only exceeded the SCOs in samples collected from the fill layer and is likely due to the ash observed in the fill.

Polychlorinated Biphenyls, Pesticides and Herbicides

No PCB or herbicides were detected in soil samples. One pesticide compound, methoxychlor, was detected in fill samples LB-1 (3-5) and LB-2 (3-5) at concentrations of 0.092 milligrams per kilogram (mg/kg) and 0.11 mg/kg. An Unrestricted Use SCO does not exist for methoxychlor; however, the CP-51 / Soil Cleanup Guidance Supplemental Soil Cleanup Objective for methoxychlor is 100 mg/kg.

Metals

Twenty one metals were detected in one or more samples, including three at concentrations greater than the Unrestricted Use SCOs. The following metals were detected at concentrations greater than their respective SCOs:

- Copper
- Lead

- Mercury

Groundwater Results

Analytical results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance values for Class GA groundwater. Analytical results are summarized in Table 2 and presented on Figure 2.

VOCs, SVOCs, PCBs Pesticides and Herbicides

No VOC, PCB, pesticides or herbicides were detected in groundwater samples.

Total Metals

Fifteen metals were detected in one or more samples, including four at concentrations above the TOGS Class GA AWQS. The following metals were detected above their respective AWQS:

- Iron
- Magnesium
- Manganese
- Sodium

These metals were also detected in soil samples collected during this investigation.

Dissolved Metals

Thirteen metals were detected in one or more samples, including four at concentrations above the TOGS Class GA AWQS. The following metals were detected above their respective AWQS:

- Iron
- Magnesium
- Manganese
- Sodium

These metals were also detected in soil samples collected and were reported at similar concentrations for total metals.

Sub-Slab Soil Vapor Sample Results

Sub-slab soil vapor samples were compared to the NYSDOH Air Guidance Values (AGVs). In addition, sample results were compared to several indoor air background data base concentrations that are presented in Appendix C of the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance), including Upper Fence Limit Indoor Air Values from "Table C-1 NYSDOH 2003: Study of VOCs in Air of Fuel Oil Heated Homes," 90th Percentile Indoor Air Values from "Table C-2 – EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method," and the 95th Percentile Indoor Air Values from "Table C-5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air". The analytical results for subsurface samples are summarized in Table 3 and are shown on Figure 2.

None of the VOCs exceeded the NYSDOH AGVs. Only acetone and o-xylene were detected at concentrations above the background comparison criteria.

CONCLUSIONS

Based on this investigation, we conclude the following:

- Shallow soil at the site consists of historic urban fill to depths of 7 to 10 feet below the slab. Native soil was observed below the fill to boring termination depths of 15 and 20 feet.
- Concentrations of SVOCs, methoxychlor, and metals above NYSDEC Part 375 Unrestricted Use SCOs were detected in samples collected form the fill. Based on our subsurface observations and review of the analytical data, the SVOCs, methoxychlor, and metals appear to be a constituent of the historic fill and are not related to a separate contaminant source.
- Soil results do not indicate the presence of characteristic hazardous waste;
- Several metals were detected and concentrations above the TOGS AWQS in groundwater. However, these compounds were also detected in soil and are attributed to historic urban fill;
- Comparison of filtered to unfiltered groundwater samples did not indicate a significant reduction in metals concentrations from filtering. From this comparison, we conclude that the detected metals are reflective of groundwater quality and minimally affected by suspended soils;
- The detected acetone and o-xylene vapor concentrations marginally exceed the anticipated indoor air background concentrations. Because these compounds were not detected in soil or groundwater samples, their presence does not warrant further remedial measures; and,
- Our review of IVI's Phase II ESI and its comparison to results of this investigation, confirms that subsurface conditions have not significantly changed.

RECOMMENDATIONS

Langan recommends the following:

- Excavated fill would be considered a regulated, non-hazardous solid waste. Soil should be handled and transported in accordance with applicable local, state and federal regulations to a disposal facility that is permitted to accept this material. This material should be properly characterized prior to transportation to an offsite disposal facility.
- Upon redevelopment, exposed soil (i.e., soil is not covered by a paved or other impermeable surface), it should be covered with at least two feet of fill material meeting the Part 375 Unrestricted Use SCO.
- The floor drain observed in the eastern end of the cellar should be further evaluated for subsurface impacts.

- ASTs, associated piping, stained concrete, petroleum containers, petroleum-impacted debris, and drums identified in the cellar and lube/oil change pit should be emptied prior to development and care should be taken to collect any residual liquid. This material should be properly characterized prior to transportation to an off-site disposal facility and handled in accordance with applicable local, state and federal regulations.

CLOSING

This environmental site investigation report was prepared expressly for Gorton & Partners, LLC for the property located at 359 West Street in Manhattan, New York and for the objectives defined herein. If you have any questions or comments, please call me at (212) 479-5559 or via email at gnicholls@langan.com.

Sincerely,
Langan Engineering & Environmental Services, Inc., PC

Gerald F. Nicholls

Gerald Nicholls, CHMM
Project Manager

Michael D. Burke

Michael Burke, CHMM
Senior Project Manager

GN:sl
Enclosure(s): Table 1 – Soil Sample Analytical Results Summary
Table 2 – Groundwater Analytical Results Summary
Table 3 – Sub-Slab Soil Vapor Analytical Results Summary
Figure 1 – Site Location Map
Figure 2 – Sample Locations and Results Map
Attachment A – IVI's Phase II ESI – Dated July 2007
Attachment B – Site Photographs
Attachment C – Soil Boring Logs
Attachment D – Groundwater Parameters Log
Attachment E –Soil Vapor Sampling Log
Attachment F – Laboratory Reports D4250 and D4252

cc: Mark Sheeran (Gorton & Partners)
Joel Landes

NJ Certificate of Authorization No. 24GA27996400
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TABLES

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS SUMMARY
359 WEST STREET
NEW YORK, NEW YORK
LANGAN PROJECT NO. 170215701

Sample ID Lab Sample Number Sampling Date	NYSDEC Part 375 Unrestricted Use SCOs	LB-1(3-5) D4250-01 9/17/2012		LB-1(7-9) D4250-02 9/17/2012		LB-2(3-5) D4250-03 9/17/2012		LB-2(10-12) D4250-04 9/17/2012	
Volatile Organic Compounds (mg/kg)									
Tetrachloroethene	1.3	0.006	J	0.0048	U	0.00235	U	0.0029	U
Semi Volatile Organic Componds (mg/kg)									
2-Methylnaphthalene	NA	0.175	U	0.185	U	0.36		0.19	U
Acenaphthene	20	0.27	J	0.185	U	0.76		0.19	U
Acenaphthylene	100	0.175	U	0.185	U	0.17	J	0.19	U
Anthracene	100	0.6		0.185	U	1.6		0.19	U
Benzo(a)anthracene	1	**1.4**		0.185	U	**3**	**D**	0.19	U
Benzo(a)pyrene	1	**1.2**		0.185	U	**2.7**		0.19	U
Benzo(b)fluoranthene	1	**1.4**		0.185	U	**3.2**	**D**	0.19	U
Benzo(g,h,i)perylene	100	0.67		0.185	U	1.5		0.19	U
Benzo(k)fluoranthene	0.8	0.53		0.185	U	**1.1**		0.19	U
Carbazole	NA	0.21	J	0.185	U	0.68		0.19	U
Chrysene	1	**1.4**		0.185	U	**2.9**	**D**	0.19	U
Dibenz(a,h)anthracene	0.33	0.16	J	0.185	U	**0.36**	**J**	0.19	U
Dibenzofuran	7	0.15	J	0.185	U	0.66		0.19	U
Dimethylphthalate	NA	0.21	J	0.22	J	0.28	J	0.36	J
Fluoranthene	100	3.2	D	0.185	U	7.8	D	0.19	U
Fluorene	30	0.22	J	0.185	U	0.63		0.19	U
Indeno(1,2,3-cd)pyrene	0.5	**0.66**		0.185	U	**1.5**		0.19	U
Naphthalene	12	0.15	J	0.185	U	0.9		0.19	U
Phenanthrene	100	2.8	D	0.185	U	7.8	D	0.19	U
Pyrene	100	2.9	D	0.185	U	6.8	D	0.19	U
Pesticides (mg/kg)									
Methoxychlor	NA	0.092	D	NR		0.11	D	NR	
Polychlorinated Biphenyls (PCBs) (mg/kg)									
Total PCBs	0.1	ND		NR		ND		NR	
Herbicides (mg/kg)									
	NA	ND		NR		ND		NR	
Metals (mg/kg)									
Aluminum	NA	4,900		9,660		3,880		6,760	
Arsenic	13	2.44		4.23		1.03		2.66	
Barium	350	47.3		37.5		52		31.7	
Beryllium	7.2	0.33		0.34		0.22	J	0.29	
Calcium	NA	29,700		698		2,060		859	
Chromium	NA	13.2		15.3		11.8		16.7	
Cobalt	NA	6.67		8.3		4.8		6.23	
Copper	50	**82.7**		17.1		13.3		12.5	
Iron	NA	12,200		21,300		10,700		14,800	
Lead	63	**65.9**		7.92		8.17		5.42	
Magnesium	NA	18,900		3,260		3,060		2,320	
Manganese	1,600	244		263		257		271	
Mercury	0.18	**0.817**	**D**	0.05		**0.872**	**D**	0.04	
Nickle	30	20.3		19.4		19.2		15	
Potassium	NA	876		787		1,090		672	
Selenium	3.9	1.45		2.21		0.98		1.74	
Silver	2	0.57		0.83		0.34	J	0.5	
Sodium	NA	180		131		112		131	
Thallium	NA	0.75	U	1.04	J	0.765	U	0.48	J
Vanadium	NA	15.3		13.7		11.8		17.1	
Zinc	109	66.3		48.9		21.6		41.9	

NOTES:
Analytical results compared to New York State Department of Environmental Conservation (NYSDEC) NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs).
Compounds detected at concentrations above the SCOs are shown in **bold.**
Compounds with a reporting limit above the applicable criteria are shown *italics*.
U -The compound was not detected at the indicated concentration.
J-Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value.
D-The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
NR-Not analyzed.
ND - None detected.
NA - Applicable criteria does not currently exist.
mg/kg-milligrams per kilogram.

TABLE 2 - GROUNDWATER ANALYTICAL RESULTS SUMMARY
359 WEST STREET
NEW YORK, NEW YORK
LANGAN PROJECT NO. 170215701

Sample ID **Lab Sample Number** **Sampling Date**	**NYSDEC - TOGS 1.1.1 AWQS**	**TMW-1** **D4250-05** **9/17/2012**		**TMW-2** **D4250-06** **9/17/2012**	
Volatile Organic Compounds (ug/L)					
Total VOCs	NA	ND		ND	
Semi Volatile Organic Compounds (ug/L)					
Total SVOCs	NA	ND		ND	
Pesticides (ug/L)					
	NA	ND		ND	
Polychlorinated Biphenyls (ug/L)					
Total PCBs	0.09	ND		ND	
Herbicides (ug/L)					
	NA	ND		ND	
Total Metals (ug/L)					
Aluminum	NA	1310		1510	
Arsenic	50	8.18	J	13.9	
Barium	1000	563		208	
Calcium	NA	178000		111000	
Chromium	50	6.86		3.38	J
Copper	200	10.1		6.91	J
Iron	300	**13200**		**13300**	
Lead	25	15.3		20.4	
Magnesium	35,000	**43000**		25400	
Manganese	300	**3140**		**3810**	
Mercury	0.7	0.105	J	0.1	U
Nickel	100	16.4	J	6.3	J
Potassium	NA	50800		39100	
Sodium	20000	**707000**		**187000**	
Zinc	2000	60.6		31.9	
Dissolved Metal (ug/L)					
Aluminum	NA	121		92	
Arsenic	50	7.93	J	15	
Barium	1000	541		231	
Calcium	NA	192000		137000	
Copper	200	3.2	J	2.06	J
Iron	300	**8270**		**13700**	
Lead	25	4.64	J	5.61	J
Magnesium	35000	**47000**		31900	
Manganese	300	**3400**		**4680**	
Nickel	100	6.29	J	10	U
Potassium	NA	55400		491000	
Sodium	20000	**696000**		**232000**	
Zinc	2000	22.9		11.8	J

NOTES:
Analytical results compared to New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values (AWQS).
Compounds detected above the AWQS are shown in **bold**.
U-The compound was not detected at the indicated concentration.
J-Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL.
NR-Not analyzed
ND-None detected.
NA-criteria does not currently exist.

TABLE 3 - SUB-SLAB SOIL VAPOR ANALYTICAL RESULTS SUMMARY
359 WEST STREET
NEW YORK, NEW YORK
LANGAN PROJECT NO. 170215701

Sample ID **Lab Sample Number** **Sampling Date** **Dilution Factor**	**NYSDOH AGV**	**NYSDOH Fuel Oil 2003 Upper Fence Limit (1)**	**USEPA 2001 BASE Data 90th Precentile Value (1)**	**HEI RIOPA 2005 95th Percentile Value (1)**	**SV-1** **D4252-01DL** **9/17/2012** **10**	
Volatile Organic Compounds - TO15 List (µg/m^3)						
2-Butanone	~	~	~	~	13.6	JD
Acetone	~	115	98.9	45.8	**237**	**D**
m/p-Xylene	~	11	22.2	22.2	9.99	JD
o-Xylene	~	7.1	7.9	7.24	**9.56**	**JD**
Tetrachloroethene	100	2.5	15.9	6.01	39.3	D
Toluene	~	57	43	39.8	10.2	JD

Qualifiers

(1) Analytical results compared to Appendix C of the Final New York State Department of Health (NYSDOH) Guidance document.

Compounds detected at concentrations, which exceed the range of background databases, are shown in bold.

AGV-air guideline values.

BASE-building assessment and survey evaluation.

HEI RIOPA-Health Effect Institute: Relationship of indoor, outdoor and personal air.

USEPA-United States Environmental Protection Agency

ASTM-American Society of Testing Materials

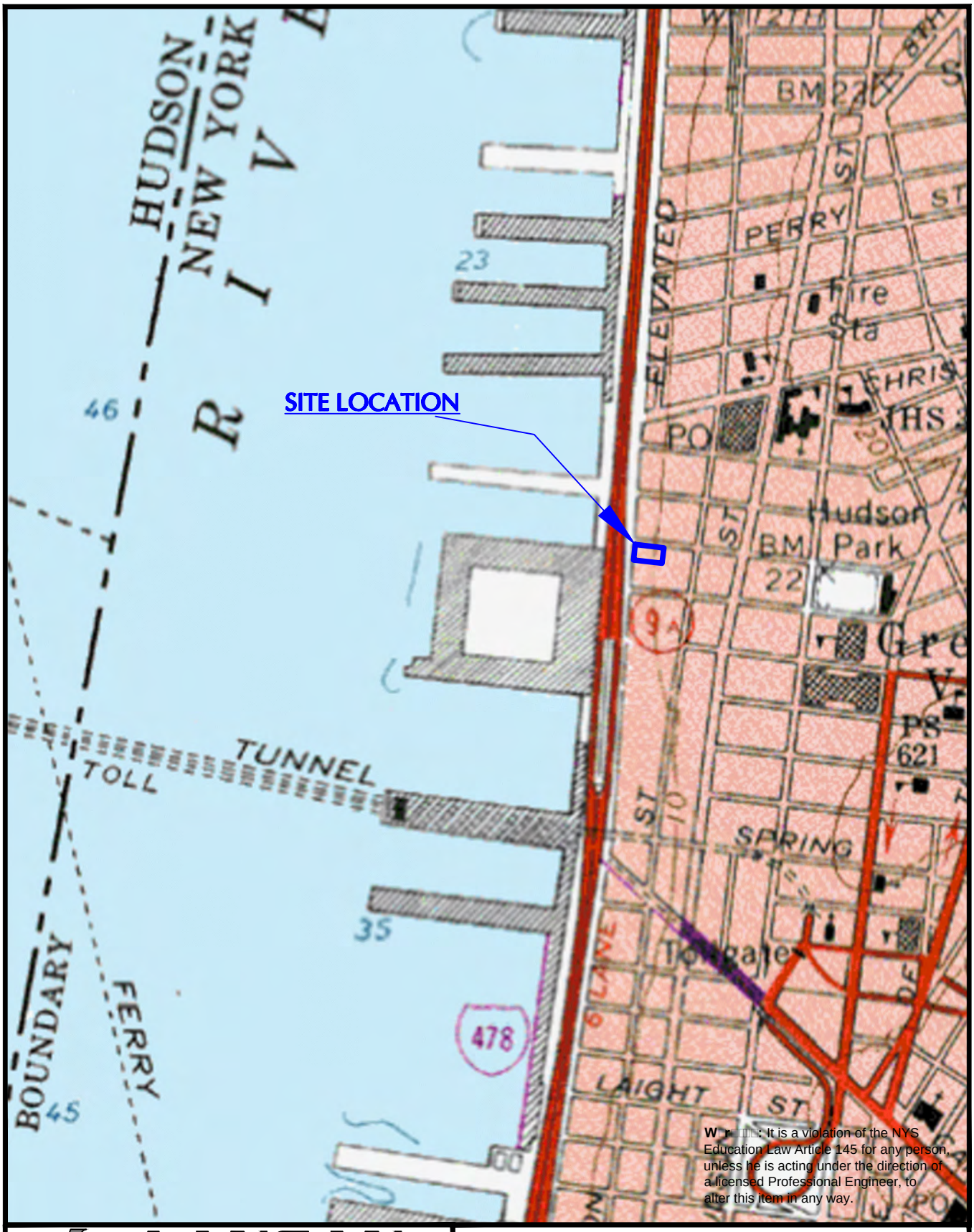
J-Data indicates the presence of a compound that meets the identification criteria. The result is less than the quantitation limit but greater than MDL. The concentration given is an approximate value

D-The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

~-Criteria does not currently exist.

µg/m3=micrograms per kilogram.

FIGURES



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NEVADA VIRGINIA CALIFORNIA
NJ Certificate of Authorization No: 24GA27996400

SITE LOCATION MAP

359 WEST STREET

MANHATTAN NEW YORK

Project No.	Date	Scale	Fig. No.
170215701	09/26/2012	NTS	1

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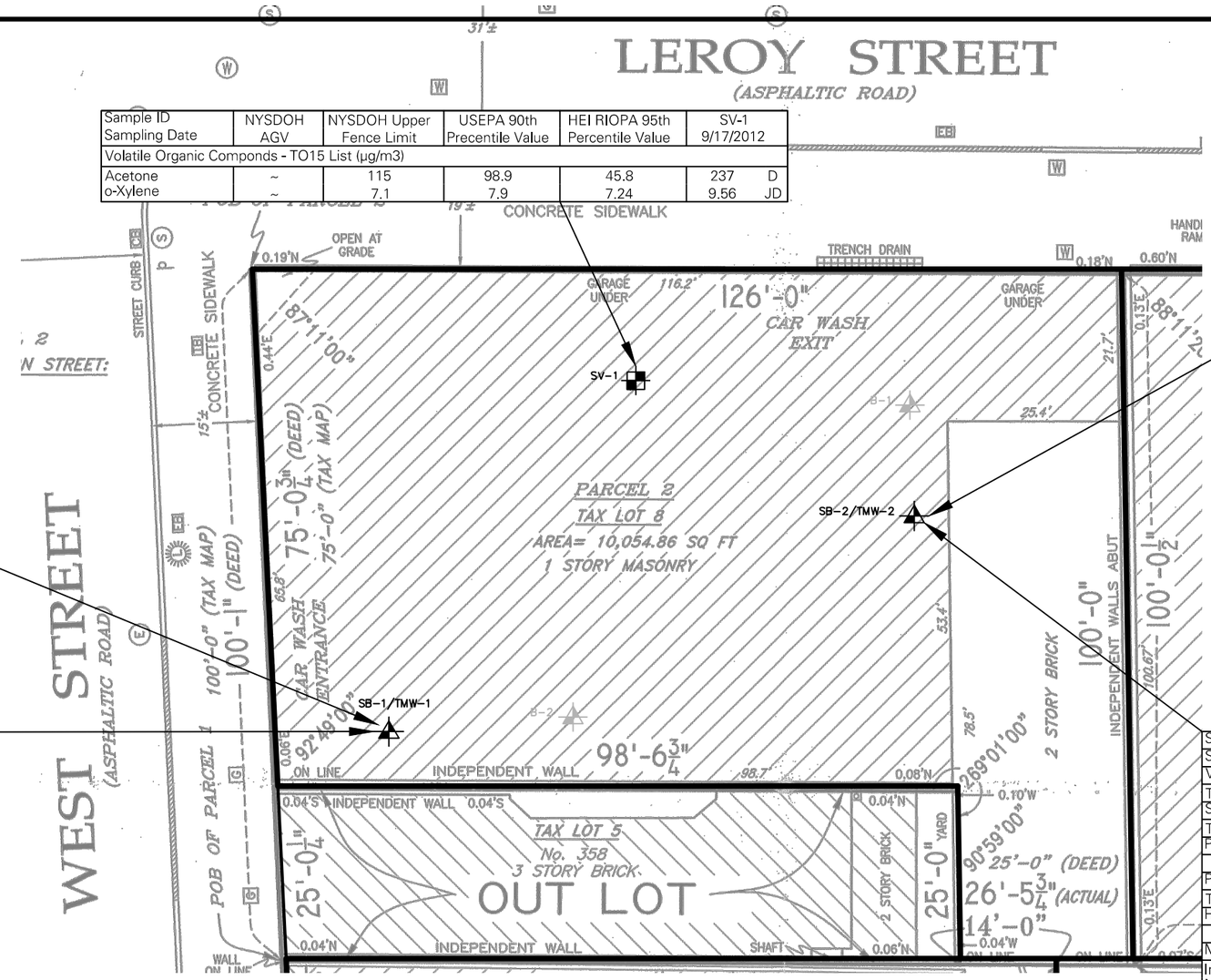

Sample ID Sampling Date	NYSDOH AGV	NYSDOH Upper Fence Limit	USEPA 90th Precentile Value	HEI RIOPA 95th Percentile Value	SV-1 9/17/2012
Volatile Organic Componds - TO15 List (µg/m3)					
Acetone	~	115	98.9	45.8	237 D
o-Xylene	~	7.1	7.9	7.24	9.56 JD

Sample ID Sampling Date	NYSDEC SCOs	LB-1(3-5) 9/17/2012	LB-1(7-9) 9/17/2012
Volatile Organic Componds (mg/kg)			
Total VOCs	127-18-4	NE	ND
Semi Volatile Organic Componds (mg/kg)			
Benzo(a)anthracene	1	1.4	ND
Benzo(a)pyrene	1	1.2	ND
Benzo(b)fluoranthene	1	1.4	ND
Chrysene	1	1.4	ND
Indeno(1,2,3-cd)pyrene	0.5	0.66	ND
Pesticides (mg/kg)			
Methoxychlor	NA	NE	NR
Polychlorinated Biphenyls (PCBs) (mg/kg)			
Total PCBs	0.1	ND	NR
Herbicides (mg/kg)			
	NA	ND	NR
Metals (mg/kg)			
Copper	50	82.7	NE
Lead	63	65.9	NE
Mercury	0.18	0.817 D	NE

Sample ID Sampling Date	NYSDEC SCOs	LB-2(3-5) 9/17/2012	LB-2(10-12) 9/17/2012
Volatile Organic Componds (mg/kg)			
Total VOCs	127-18-4	ND	ND
Semi Volatile Organic Componds (mg/kg)			
Benzo(a)anthracene	1	3 D	ND
Benzo(a)pyrene	1	2.7	ND
Benzo(b)fluoranthene	1	3.2 D	ND
Benzo(k)fluoranthene	0.8	1.1	ND
Chrysene	1	2.9 D	ND
Dibenzo(a,h)anthracene	0.33	0.36 JD	
Indeno(1,2,3-cd)pyrene	0.5	1.5	ND
Pesticides (mg/kg)			
Methoxychlor	NA	NE	NR
Polychlorinated Biphenyls (PCBs) (mg/kg)			
Total PCBs	0.1	ND	NR
Herbicides (mg/kg)			
	NA	ND	NR
Metals (mg/kg)			
Mercury	0.18	0.872 D	NE

Sample ID Sampling Date	NYSDEC - TOGS 1.1.1 AWQS	TMW-1 9/17/2012	
Volatile Organic Compounds (ug/L)			
Total VOCs	NA	ND	
Semi Volatile Organic Compounds (ug/L)			
Total SVOCs	NA	ND	
Pesticides (ug/L)			
	NA	ND	
Polychlorinated Biphenyls (ug/L)			
Total PCBs	0.09	ND	
Herbicides (ug/L)			
	NA	ND	
Metals (ug/L)		TOTAL	DISSOLVED
Iron	300	13200	8270
Magnesium	35,000	43000	47000
Manganese	300	3140	3400
Sodium	20000	707000	696000

Sample ID Sampling Date	NYSDEC - TOGS 1.1.1 AWQS	TMW-2 9/17/2012	
Volatile Organic Compounds (ug/L)			
Total VOCs	NA	ND	
Semi Volatile Organic Compounds (ug/L)			
Total SVOCs	NA	ND	
Pesticides (ug/L)			
	NA	ND	
Polychlorinated Biphenyls (ug/L)			
Total PCBs	0.09	ND	
Herbicides (ug/L)			
	NA	ND	
Metals (ug/L)		TOTAL	DISSOLVED
Iron	300	13300	13700
Manganese	300	3810	4680
Sodium	20000	187000	232000

LEGEND

B-1 – SOIL BORING/TEMPORARY MONITORING WELL LOCATION (IVI PHASE II ESI – JULY 2007)

SB-1/TMW-1 – SOIL BORING/TEMPORARY MONITORING WELL LOCATION (LANGAN – SEPTEMBER 2012)

SV-1 – SUB-SLAB SOIL VAPOR POINT LOCATION

NOTES:

1. BASE MAP TAKEN FROM ACSM LAND TITLE SURVEY DATED 23 JULY 2007 BY NY LAND SURVEYOR, PLLC.
2. IVI'S SOIL BORING/TEMPORARY MONITORING WELL LOCATIONS ARE APPROXIMATED.
3. SOIL SAMPLE RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) PART 375 UNRESTRICTED USE SOIL CLEANUP OJECTIVES (SCOs)
4. GROUNDWATER SAMPLE RESULTS ARE COMPARED TO NYSDEC DIVISION OF WATER TECHNICAL AND OPERATIONAL GUIDANCE SERIES 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES (AWQS).
5. SUB-SLAB SOIL VAPOR SAMPLE RESULTS ARE COMPARED TO APPENDIX C OF THE FINAL NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) GUIDANCE DOCUMENT.
6. ONLY COMPOUNDS DETECTED ABOVE THEIR RESPECTIVE CRITERIA ARE SHOWN.
7. mg/kg=MILLIGRAMS PER KILOGRAM.
8. ug/L=MICROGRAMS PER LITER.
9. ug/m3=MICROGRAMS PER CUBIC METER.
10. NE=NO EXCEEDANCE
11. ND=NOT DETECTED
12. NR=NOT ANALYZED
13. J=THE CONCENTRATION IS AN APPROXIMATE VALUE.
14. D=THE CONCENTRATION IS FROM A DILUTION.

20 0 5 10 20
SCALE IN FEET

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES
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NJ Certificate of Authorization No: 24GA27996400

SAMPLE LOCATION AND RESULTS MAP

359 WEST STREET

MANHATTAN NEW YORK

Project No.	Date	Scale	Fig. No.
170215701	09/24/2012	1" = 20'	1

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Filename: \\langan.com\data\NY\data7\170215701\Cadd Data – 170215701\2D-DesignFiles\Environmental\170215701-N-EI0101.dwg Date: 9/27/2012 Time: 15:40 User: slowes Style Table: Langan.stb Layout: B Size Sheet (Bottom)

ATTACHMENT A

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Three Commercial Buildings
357 and 359 West Street and
156 Leroy Street
New York, New York 10014

IVI Project No. E7063663

Prepared for:
Apollo Real Estate Advisors, LP
New York, New York

Prepared by:

IVI ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS

IVI Environmental, Inc.
White Plains, New York

July 3, 2007

ENVIRONMENTAL, INC.
ENVIRONMENTAL CONSULTANTS

105 Corporate Park Drive, Suite 115
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July 3, 2007

Mr. Randy Torres
Apollo Real Estate Advisors, LP
1301 Avenue of the Americas
38th Floor
New York, New York
(212) 515-3252 (tel)
(212) 515-3282 (fax)
torres@apollorealestate.com

Re: Phase II Environmental Site Assessment
Three Commercial Buildings
357 and 359 West Street, and 156 Leroy Street
New York, New York 10014
IVI Project No.: E7063663

Dear Mr. Torres:

IVI Environmental, Inc. (IVI) is pleased to submit this Phase II Environmental Site Assessment ("Assessment") for the Three Commercial Buildings (the "Subject"), located at 357 and 359 West Street, and 156 Leroy Street; New York, New York. The property location is shown on the Site Location Map provided as Figure 1 in Appendix A.

The purpose of this Assessment was to address the Recognized Environmental Conditions (RECs) identified in IVI's *Phase I Environmental Site Assessment*, dated December 28, 2005. Specifically, the following RECs were identified in the Phase I ESA:

- **Historical and Current Use of the Subject**

  Some historical industrial and commercial site usages, particularly the machine shop, smelting works, freight station and auto repair shop, likely involved the usage and storage of significant quantities of hazardous materials such as petroleum products, organic solvents, heavy metals and acids. The Subject's former industrial usages may have negatively impacted the subsurface soil and groundwater. Moreover the current Village Car Center located at 359 West Street performs automotive oil changing activities, which generates waste motor oil. The waste oil tank, which is not provided with secondary containment, appeared to be in good condition, void of leaks. However, poor housekeeping

has resulting in significant oil spillage on the surface of the concrete slab floor beneath the tank and throughout the cellar. In addition, oily water was observed in a sump pump pit adjacent to the tank.

Scope of Work

The scope of this Assessment included the following activities:

1. Subsurface utilities mark out;
2. Geophysical survey to clear the proposed boring locations;
3. Advancement of four (4) borings;
4. Collection and field screening of soil samples for volatile organic compound (VOC) contamination with a photoionization detector (PID) using the head space analysis, and;
5. Laboratory analysis of four (4) soil and four (4) groundwater samples.

Field Activities

On June 27, 2007, IVI directed the advancement of four (4) borings, denoted as B-1 through B-4, on the Subject. Specifically, two (2) borings were located inside The Village Car Center (B-1 and B-2), and two (2) borings were located inside the abandoned pasta factory at 156 Leroy Street (B-3 and B-4). The borings were advanced using a track-mounted Geoprobe® 5400DT rig operated by TPI Environmental, Inc. (TPI). The specific boring locations are shown on the Boring Location Plan provided as Figure 2 in Appendix A.

Prior to the advancement of each boring, all down-hole drilling equipment was decontaminated by TPI in accordance with EPA protocols and good commercial and customary practice. IVI collected continuous soil samples at 4' intervals using macro-core samplers for each boring. Each borings was advanced approximately 5' below the soil/groundwater interface at a depth of 16' below ground surface (bgs).

Observed soil conditions consisted predominately of reddish brown coarse to fine sand and silt to an approximate depth of 8' bgs, which was underlain with brown fine sand and silt. Of note, IVI encountered fill material at boring location B-4 to an approximate depth of 3' bgs. The fill material was composed of concrete, brick, and coal fragments, and; cinders and ash. Groundwater was encountered at an approximate depth of 10' bgs. IVI inspected each sample for evidence of contamination and field screened the samples for VOC contamination using a PID. IVI did not observe visual or olfactory evidence of contamination. However, IVI detected elevated PID readings at each boring location at concentrations ranging between 0.2 parts per million (ppm) to 117 ppm. PID readings and surficial geology are provided on the boring logs provided in Appendix B of this report.

IVI retained a soil sample from each boring for laboratory analysis, from the interval which exhibited the greatest evidence of contamination. Specifically, the soil samples were collected at

the following depths: 4' bgs at boring B-1; 2' bgs at boring B-2; 9' bgs at boring B-3, and; at 2'; bgs at boring B-4. IVI collected groundwater samples at each of the four (4) boring locations using dedicated 1" PVC riser and screen, and polyethylene tubing. IVI transferred the collected samples to appropriate laboratory supplied containers, packed them on ice in a cooler, and sent them under proper chain-of-custody to York Analytical Laboratories (York). York analyzed the four (4) soil and four (4) groundwater samples for VOCs, semi-VOCs (base neutrals), and priority pollutant metals (metals) in accordance with EPA Methods 8260B, 8270C, and 6010, respectively. Of note, IVI filtered each groundwater sample for the priority pollutant metal analysis in the field.

Soil Analytical Results

Soil analytical results are summarized on Table 1 in Appendix C.

VOCs

The soil sample collected from boring B-4 identified the presence of naphthalene at a concentration of 0.56 milligrams per kilogram (mg/Kg), which was below its New York State Department of Environmental Conservation (NYSDEC) Technical Administrative Guidance Memorandum (TAGM) #4046 Recommended Soil Cleanup Objectives (RSCOs) of 13 mg/Kg. No other VOCs were detected above their respective laboratory method detection limit (MDL).

Semi-VOCs

The soil samples collected from borings B-1 and B-4 identified at least twelve or more semi-VOCs above their respective laboratory MDL. The soil samples collected at borings B-1 and B-4 identified the presence of benzo(a)anthracene, benzo(a)pyrene and chrysene at levels exceeding their NYSDEC TAGM #4046 RSCOs of 0.224 mg/Kg, 0.061 mg/Kg, and 0.4 mg/Kg. The soil sample collected at boring B-4 also identified the presence of benzo(b)- and benzo(k)fluoranthene at levels exceeding their NYSDEC TAGM #4046 RSCOs of 1.1 mg/Kg. The remaining semi-VOCs 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo(g,h,i)perylene, carbozole, dibenzofuran, diethylphthalate, fluoranthene, fluorine, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and; pyrene were detected below their respective NYSDEC TAGM #4046 RSCOs.

Priority Pollutant Metals

The soil samples collected from each boring identified at least six or more metal compounds above their respective laboratory MDL. The following metals were detected above their respective NYSDEC TAGM #4046 RSCOs and/or Eastern USA Background Guidance Values: arsenic, chromium, copper, lead, nickel, and zinc. The highest concentration of metals exceeding the NYSDEC TAGM #4046 RSCOs were detected in the soil sample collected from Boring B-4.

Groundwater Analytical Results

Groundwater analytical results are summarized on Table 2 in Appendix C.

VOCs

No VOCs were detected in any of the groundwater water sample collected above their respective laboratory MDL.

Semi-VOCs

The groundwater sample collected from boring B-4 identified the presence of fluoranthene, phenanthrene, and pyrene at concentrations of 9 micrograms per kilogram (µg/L), which were below their NYSDEC Technical and Operational Guidance Series (TOGS) Class GA Water Quality Standards (WQS) of 50 µg/L.

Priority Pollutant Metals

The groundwater samples collected from each boring identified the presence of at least one or more metal compounds above their respective laboratory MDL. The following metals were detected below their respective NYSDEC TOGS Class GA WQS: antimony, arsenic, chromium copper, lead, nickel, selenium, and zinc.

The analytical report is provided in Appendix D.

Conclusions and Recommendations

Soil analytical results indicated the presence of five semi-VOCs and four metal compounds at concentrations exceeding their respective NYSDEC TAGM #4046 RSCOs and/or Eastern USA Background Guidance Values at each boring location. Groundwater analytical results did not identify any semi-VOCs or metals above their respective NYSDEC TOGS Class GA WQS. The compounds identified during this Assessment are not indicative of a spill, but are closely related to historic fill material (incineration waste). Soils exhibiting petroleum related contaminants in exceedance of the NYSDEC TAGM #4046 RSCOs that are excavated as part of the Subject's redevelopment will need to be properly disposed of during construction activities. The soils must be classified for waste characterization parameters according to disposal facility requirements, transported under appropriate regulatory permits, and disposed or recycled at a licensed facility permitted to accept the soil. IVI recommends further delineation of the impacted soils is warranted to minimize the amount of soil removed from the Subject.

Please do not hesitate to call if you have any comments or questions regarding this Assessment. Thank you for letting us be of assistance.

Sincerely,

IVI ENVIRONMENTAL, INC.

Jason A. Rankin
Project Manager

Reviewed By:

Steven Gustems
Assistant Department Manager

enc.: Appendix A: Figures
Appendix B: Boring Logs
Appendix C: Tables
Appendix D: Laboratory Report

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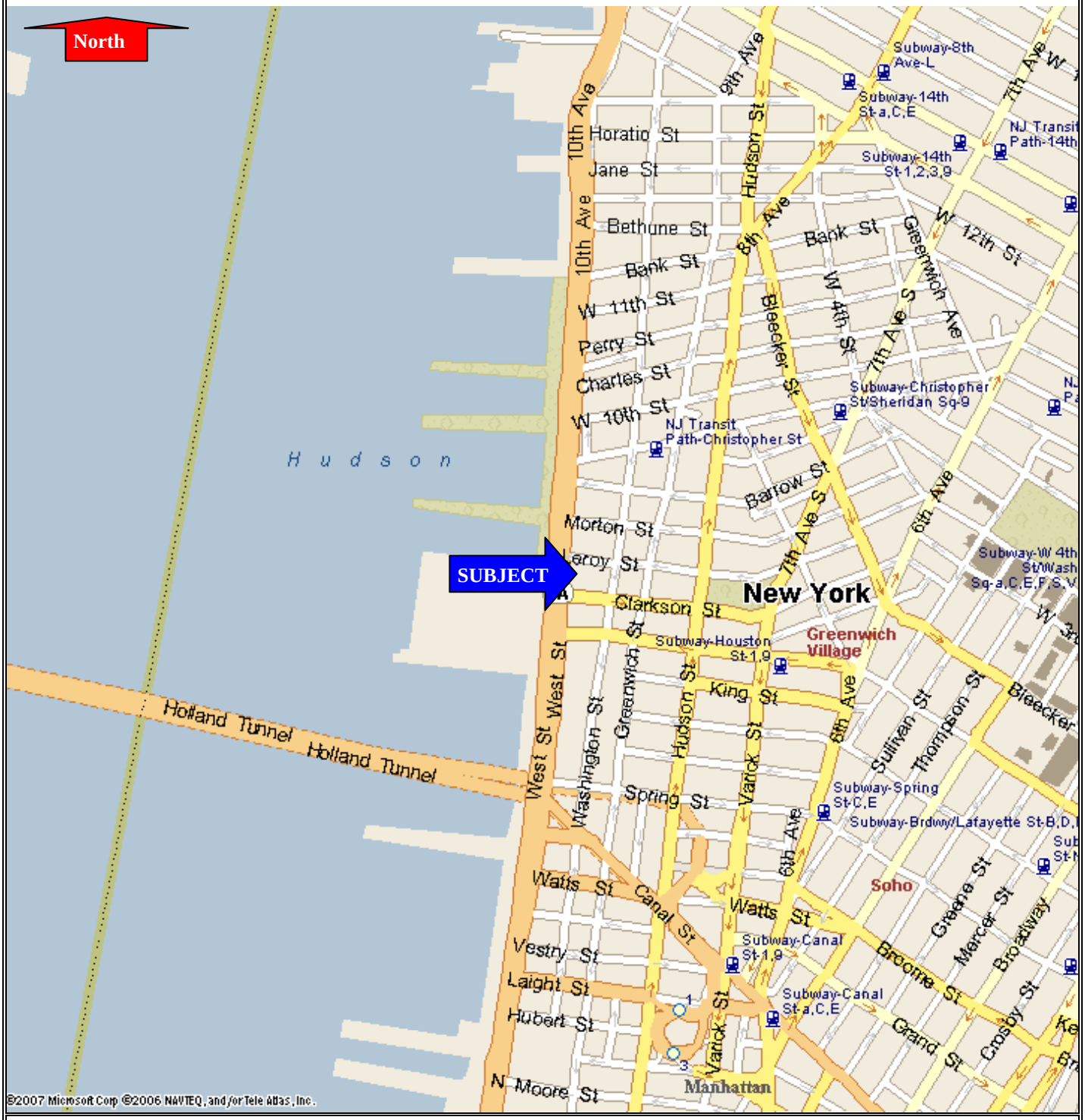

Figure 1 - Site Location Map

Project Site: Three Commercial Buildings
357 and 359 West Street
156 Leroy Street
New York, New York 10014

IVI Project No. E7063663

IVI Environmental Inc.
105 Corporate Park Drive, Suite 115
White Plains, New York 10604
(914) 694-9600 (tel)
(914) 694-2903 (fax)

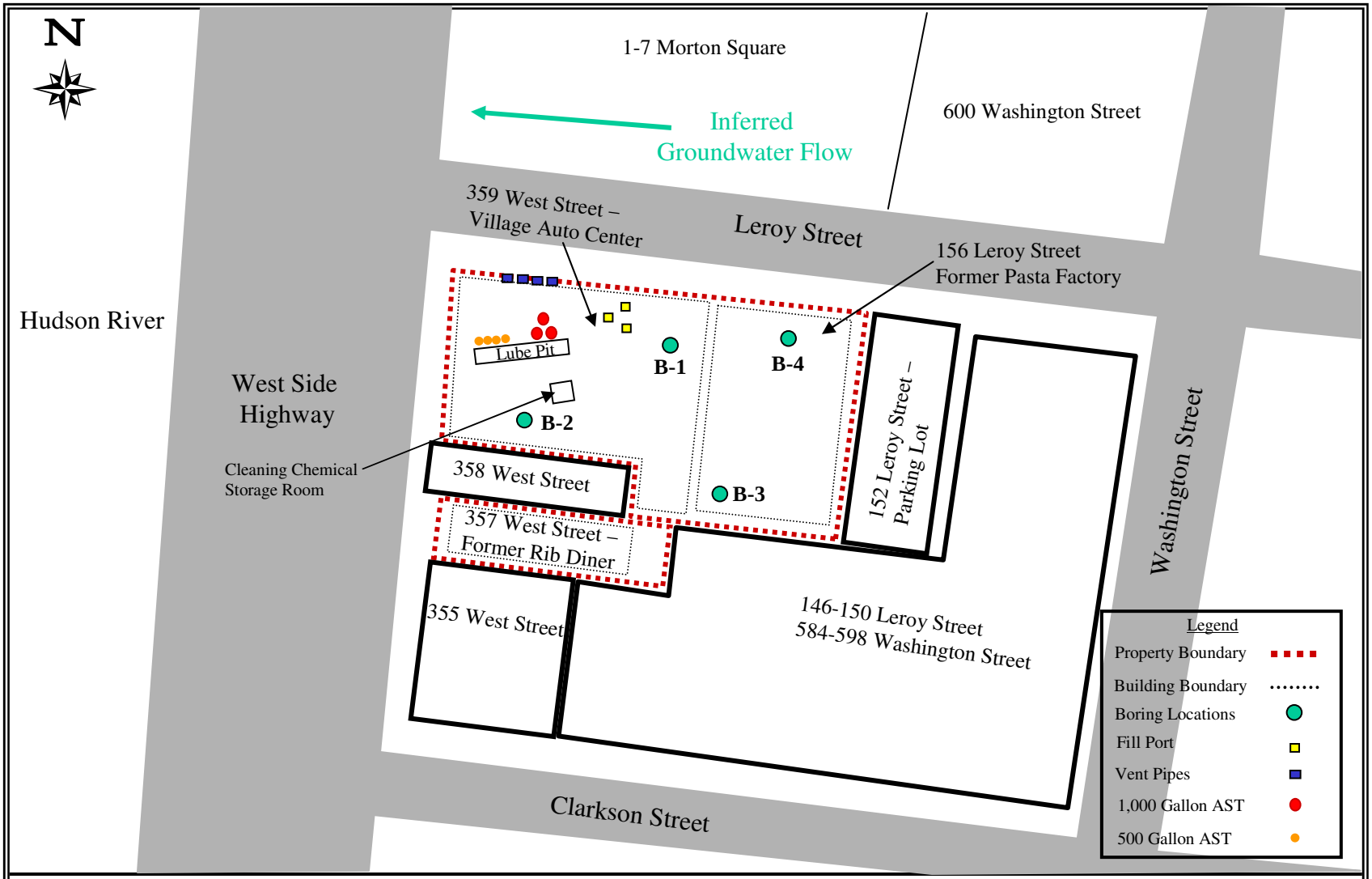

Figure 2 – Boring Location Plan

Three Commercial Buildings 357 & 359 West Street, and 156 Leroy Street New York, New York10014	IVI ENVIRONMETNAL, INC. 105 CORPORATE PARK DRIVE, SUITE 115 WHITE PLAINS, NY 10604 (914) 694-9600 (TEL) (914) 694-2903 (FAX)	Project No: E7063663 Boundaries are approximate. Not to scale.

IVI Environmental, Inc.

105 Corporate Park Drive
White Plains, New York 10604
(914) 694-9600 (tel)
(914) 694-2903 (fax)

Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-1

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/36	42.9	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				23.2	
4	B-1	4-8	48/42	117	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				41	
8		8-12	48/42	65.4	Brown fine SAND and Silt, moist
				3.1	Wet
12		12-16	48/18	1.9	Brown fine SAND and Silt, wet
				0.7	
				0.6	
					End of Boring at ± 16' bgs

IVI Environmental, Inc.

105 Corporate Park Drive
White Plains, New York 10604
(914) 694-9600 (tel)
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Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-2

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/32	3.1	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
	B-2			7.8	
4		4-8	48/36	1.3	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				1.2	
8		8-12	48/36	1.3	Brown fine SAND and Silt, moist
				1.2	Wet
12		12-16	48/36	0.9	Brown fine SAND and Silt, wet
				1.1	
				0.7	
					End of Boring at ± 16' bgs

IVI Environmental, Inc.

105 Corporate Park Drive
White Plains, New York 10604
(914) 694-9600 (tel)
(914) 694-2903 (fax)

Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-3

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/6	0.3	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				0.2	
4		4-8	48/42	1.2	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				1.3	
8		8-12	48/42	1.5	Brown fine Sand and Silt, very moist
	B-3				
				1.6	Wet
12		12-16	48/36	1.2	Brown fine Sand and Silt, wet
				0.8	
				0.5	
					End of Boring at ± 16' bgs

IVI Environmental, Inc.

105 Corporate Park Drive
White Plains, New York 10604
(914) 694-9600 (tel)
(914) 694-2903 (fax)

Boring Log

Project No.: E7063663
Project Name: Three Commercial Buildings
Project Manager: Jason Rankin
Total depth: 16'
Water Table Depth: 10'

Date: June 27, 2007
Location: New York, New York
Drilling Company: TPI Environmental, Inc.
Method Used: Track-Mounted Geoprobe 5400DT
Boring No.: B-4

Depth (feet)	Sample No.	Sample Interval (feet)	Penetration /Recovery (inches)	Field Screening Result (ppm)	Soil Identification and Remarks (include color, composition, moisture, and visual and olfactory observations of contamination)
0		0-4	48/15	84	Dark brown coarse to fine SAND and Silt, some
					concrete, brick, and coal fragments, cinders and ash
	B-4			91	
4		4-8	48/12	25	Reddish brown coarse to fine SAND and Silt, some
					mica fragments, trace Gravel
				19	
8		8-12	48/36	5.3	Brown fine SAND and Silt, very moist
				4.6	Wet
12		12-16	48/12	3.2	Brown fine SAND and Silt, wet
				1.7	
				0.9	
					End of Boring at ± 16' bgs

Table 1
Summary of Soil Sampling Analytical Results
Three Commercial Buildings
New York, New York
June 27, 2007

Analytical Parameter/Constituent	Eastern USA Background Guidance Values	NYSDEC TAGM #4046 RSCO	Sample Locations and Concentrations (mg/Kg)			
			B-1	B-2	B-3	B-4
VOCs						
Naphthalene	**N/A**	**13**	ND	ND	ND	0.56
SVOCs ~ B/N						
2-Methylnaphthalene	**N/A**	**36.4**	ND	ND	ND	1.8
Acenaphthene	**N/A**	**50**	ND	ND	ND	3.3
Acenaphthylene	**N/A**	**41**	ND	ND	ND	1.3
Anthracene	**N/A**	**50**	0.33	ND	ND	8.6
Benzo(a)anthracene	**N/A**	**0.224**	0.78	ND	ND	18
Benzo(a)pyrene	**N/A**	**0.061**	0.71	ND	ND	6.3
Benzo(b)fluoranthene	**N/A**	**1.1**	0.7	ND	ND	7.9
Benzo(g,h,i)perylene	**N/A**	**50**	0.19	ND	ND	ND
Benzo(k)fluoranthene	**N/A**	**1.1**	0.64	ND	ND	5
Carbazole	**N/A**	**N/A**	ND	ND	ND	3.1
Chrysene	**N/A**	**0.4**	0.88	ND	ND	17
Dibenzofuran	**N/A**	**6.2**	ND	ND	ND	2.9
Diethylphthalate	**N/A**	**7.1**	0.25	ND	ND	ND
Fluoranthene	**N/A**	**50**	2.4	ND	ND	44
Fluorene	**N/A**	**50**	ND	ND	ND	4.7
Indeno(1,2,3-cd)pyrene	**N/A**	**3.2**	0.26	ND	ND	1
Naphthalene	**N/A**	**13**	ND	ND	ND	3.3
Phenanthrene	**N/A**	**50**	2.0	ND	ND	44
Pyrene	**N/A**	**50**	2.0	ND	ND	40
PPMs						
Antimony	**N/A**	**SB**	60.3	ND	ND	66.5
Arsenic	**3-12**	**7.5 or SB**	5.64	5.16	3.71	8.17
Cadmium	**0.1-1**	**1 or SB**	ND	ND	ND	0.98
Chromium	**1.5**	**10 or SB**	9.62	10.3	10.8	16.1
Copper	**1-50**	**25 or SB**	75.2	23.7	15.9	152
Lead	**N/A**	**200-500**	749	29	7.51	1,100
Nickel	**0.5-25**	**13 or SB**	13.8	13.6	13.2	17.5
Silver	**N/A**	**SB**	ND	ND	ND	0.92
Zinc	**9-50**	**20 or SB**	300	28.9	34.3	560

Notes:

1. NYSDEC TAGM #4046 RSCO = New York State Department of Environmental Conservation Technical and Administrative Guidance Memorandum #4046 Recommended Soil Cleanup Criteria
2. Shaded cells indicate Eastern USA Background Guidance Values and/or NYSDEC TAGM #4046 RSCO exceedances
3. All concentrations reported in mg/Kg
4. VOCs = Volatile Organic Compounds
5. SVOCs ~ B/N = Semi-Volatile Organic Compounds ~ Base Neutrals
6. PPMs = Priority Pollutant Metals
7. N/A = Not Applicable
8. ND = Not detected
9. SB = Site Background
10. Only compounds detected in at least one sample are shown.

Table 2
Summary of Groundwater Sampling Analytical Results
Three Commercial Buildings
New York, New York
June 27, 2007

Analytical Parameter/Constituent	NYSDEC Water Quality Standards	Sample Locations and Concentrations (ug/L)			
		B-1	B-2	B-3	B-4
SVOCs ~ B/N					
Fluoranthene	**50**	ND	ND	ND	9
Phenanthrene	**50**	ND	ND	ND	9
Pyrene	**50**	ND	ND	ND	9
PPMs					
Antimony	**3**	ND	ND	ND	0.012
Arsenic	**25**	ND	0.020	ND	ND
Chromium	**50**	ND	0.006	ND	ND
Copper	**200**	0.006	ND	ND	0.009
Lead	**25**	0.004	ND	ND	0.003
Nickel	**100**	0.006	0.007	ND	0.012
Selenium	**10**	ND	0.010	ND	ND
Zinc	**2,000**	0.016	0.021	0.017	0.020

Notes:
1. NYSDEC Water Quality Standards = New York State Department of Environmental Conservation Division of Water Technical Operational Guidance Series (1.1.1)
2. All concentrations reported in micrograms per Liter (µg/L).
3. SVOCs ~ B/N = Semi-Volatile Organic Compounds ~ Base Neutrals
4. PPMs = Priority Pollutant Metals
5. ND = Not Detected
6. Only those compounds detected in at least one sample are shown.

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

IVI International, Inc.
105 Corporate Park Dr.
White Plains, NY 10604
Attention: Jason Rankin

Report Date: 6/29/2007
Re: Client Project ID: E7063663/West & Leroy Streets, New York, NY
York Project No.: 07060984

CT License No. PH-0723 New York License No. 10854

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 6/29/2007
Client Project ID: E7063663/West & Leroy Streets, New York, NY
York Project No.: 07060984

IVI International, Inc.
105 Corporate Park Dr.
White Plains, NY 10604
Attention: Jason Rankin

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 06/28/07. The project was identified as your project "E7063663/West & Leroy Streets, New York, NY".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	10
1,1,1-Trichloroethane			Not detected	5.0	Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	10
1,1,2-Trichloroethane			Not detected	5.0	Not detected	10
1,1-Dichloroethane			Not detected	5.0	Not detected	10
1,1-Dichloroethylene			Not detected	5.0	Not detected	10
1,1-Dichloropropylene			Not detected	5.0	Not detected	10
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	10
1,2,3-Trichloropropane			Not detected	5.0	Not detected	10
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	10
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	10
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	10
1,2-Dibromoethane			Not detected	5.0	Not detected	10

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,2-Dichlorobenzene			Not detected	5.0	Not detected	10
1,2-Dichloroethane			Not detected	5.0	Not detected	10
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	10
1,2-Dichloropropane			Not detected	5.0	Not detected	10
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	10
1,3-Dichlorobenzene			Not detected	5.0	Not detected	10
1,3-Dichloropropane			Not detected	5.0	Not detected	10
1,4-Dichlorobenzene			Not detected	5.0	Not detected	10
1-Chlorohexane			Not detected	5.0	Not detected	10
2,2-Dichloropropane			Not detected	5.0	Not detected	10
2-Chlorotoluene			Not detected	5.0	Not detected	10
4-Chlorotoluene			Not detected	5.0	Not detected	10
Benzene			Not detected	5.0	Not detected	10
Bromobenzene			Not detected	5.0	Not detected	10
Bromochloromethane			Not detected	5.0	Not detected	10
Bromodichloromethane			Not detected	5.0	Not detected	10
Bromoform			Not detected	5.0	Not detected	10
Bromomethane			Not detected	5.0	Not detected	10
Carbon tetrachloride			Not detected	5.0	Not detected	10
Chlorobenzene			Not detected	5.0	Not detected	10
Chloroethane			Not detected	5.0	Not detected	10
Chloroform			Not detected	5.0	Not detected	10
Chloromethane			Not detected	5.0	Not detected	10
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	10
Dibromochloromethane			Not detected	5.0	Not detected	10
Dibromomethane			Not detected	5.0	Not detected	10
Dichlorodifluoromethane			Not detected	5.0	Not detected	10
Ethylbenzene			Not detected	5.0	Not detected	10
Hexachlorobutadiene			Not detected	5.0	Not detected	10
Isopropylbenzene			Not detected	5.0	Not detected	10
Methylene chloride			Not detected	5.0	Not detected	10
MTBE			Not detected	5.0	Not detected	10
Naphthalene			Not detected	5.0	Not detected	10
n-Butylbenzene			Not detected	5.0	Not detected	10
n-Propylbenzene			Not detected	5.0	Not detected	10
o-Xylene			Not detected	5.0	Not detected	10
p- & m-Xylenes			Not detected	5.0	Not detected	10
p-Isopropyltoluene			Not detected	5.0	Not detected	10
sec-Butylbenzene			Not detected	5.0	Not detected	10
Styrene			Not detected	5.0	Not detected	10
tert-Butylbenzene			Not detected	5.0	Not detected	10
Tetrachloroethylene			Not detected	5.0	Not detected	10
Toluene			Not detected	5.0	Not detected	10
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	10
Trichloroethylene			Not detected	5.0	Not detected	10
Trichlorofluoromethane			Not detected	5.0	Not detected	10
Vinyl chloride			Not detected	5.0	Not detected	10
Base/Neutral Extractables	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	5.90	Not detected	5.90
1,2-Dichlorobenzene			Not detected	5.90	Not detected	5.90
1,3-Dichlorobenzene			Not detected	5.90	Not detected	5.90

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
1,4-Dichlorobenzene			Not detected	5.90	Not detected	5.90
2,4-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2,6-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2-Chloronaphthalene			Not detected	5.90	Not detected	5.90
2-Methylnaphthalene			Not detected	5.90	Not detected	5.90
2-Nitroaniline			Not detected	5.90	Not detected	5.90
3,3'-Dichlorobenzidine			Not detected	5.90	Not detected	5.90
3-Nitroaniline			Not detected	5.90	Not detected	5.90
4-Bromophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Chloroaniline			Not detected	5.90	Not detected	5.90
4-Chlorophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Nitroaniline			Not detected	5.90	Not detected	5.90
Acenaphthene			Not detected	5.90	Not detected	5.90
Acenaphthylene			Not detected	5.90	Not detected	5.90
Anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)pyrene			Not detected	5.90	Not detected	5.90
Benzo(b)fluoranthene			Not detected	5.90	Not detected	5.90
Benzo(g,h,i)perylene			Not detected	5.90	Not detected	5.90
Benzo(k)fluoranthene			Not detected	5.90	Not detected	5.90
Bis(2-chloroethoxy)methane			Not detected	5.90	Not detected	5.90
Bis(2-chloroethyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-chloroisopropyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-ethylhexyl)phthalate			Not detected	5.90	Not detected	5.90
Butyl benzyl phthalate			Not detected	5.90	Not detected	5.90
Carbazole			Not detected	5.90	Not detected	5.90
Chrysene			Not detected	5.90	Not detected	5.90
Dibenzo(a,h)anthracene			Not detected	5.90	Not detected	5.90
Dibenzofuran			Not detected	5.90	Not detected	5.90
Diethylphthalate			Not detected	5.90	Not detected	5.90
Dimethylphthalate			Not detected	5.90	Not detected	5.90
Di-n-butylphthalate			Not detected	5.90	Not detected	5.90
Di-n-octylphthalate			Not detected	5.90	Not detected	5.90
Fluoranthene			Not detected	5.90	Not detected	5.90
Fluorene			Not detected	5.90	Not detected	5.90
Hexachlorobenzene			Not detected	5.90	Not detected	5.90
Hexachlorobutadiene			Not detected	5.90	Not detected	5.90
Hexachlorocyclopentadiene			Not detected	5.90	Not detected	5.90
Hexachloroethane			Not detected	5.90	Not detected	5.90
Indeno(1,2,3-cd)pyrene			Not detected	5.90	Not detected	5.90
Isophorone			Not detected	5.90	Not detected	5.90
Naphthalene			Not detected	5.90	Not detected	5.90
Nitrobenzene			Not detected	5.90	Not detected	5.90
N-Nitrosodi-n-propylamine			Not detected	5.90	Not detected	5.90
N-Nitrosodiphenylamine			Not detected	5.90	Not detected	5.90
Phenanthrene			Not detected	5.90	Not detected	5.90
Pyrene			Not detected	5.90	Not detected	5.90
Metals, Priority Pollutant List	EPA SW846-6010	mg/L	---	---	---	---
Antimony			Not detected	0.006	Not detected	0.006
Arsenic			Not detected	0.004	0.020	0.004
Beryllium			Not detected	0.0001	Not detected	0.0001

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-01		07060984-02	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Cadmium			Not detected	0.003	Not detected	0.003
Chromium			Not detected	0.005	0.006	0.005
Copper			0.006	0.005	Not detected	0.005
Lead			0.004	0.003	Not detected	0.003
Nickel			0.006	0.005	0.007	0.005
Selenium			Not detected	0.005	0.010	0.005
Silver			Not detected	0.005	Not detected	0.005
Thallium			Not detected	0.005	Not detected	0.005
Zinc			0.016	0.005	0.021	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			B-3		B-4	
York Sample ID			07060984-03		07060984-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/L	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,1-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1,2,2-Tetrachloroethane			Not detected	5.0	Not detected	5.0
1,1,2-Trichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethane			Not detected	5.0	Not detected	5.0
1,1-Dichloroethylene			Not detected	5.0	Not detected	5.0
1,1-Dichloropropylene			Not detected	5.0	Not detected	5.0
1,2,3-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,3-Trichloropropane			Not detected	5.0	Not detected	5.0
1,2,3-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trichlorobenzene			Not detected	5.0	Not detected	5.0
1,2,4-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,2-Dibromo-3-chloropropane			Not detected	5.0	Not detected	5.0
1,2-Dibromoethane			Not detected	5.0	Not detected	5.0
1,2-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,2-Dichloroethane			Not detected	5.0	Not detected	5.0
1,2-Dichloroethylene (Total)			Not detected	5.0	Not detected	5.0
1,2-Dichloropropane			Not detected	5.0	Not detected	5.0
1,3,5-Trimethylbenzene			Not detected	5.0	Not detected	5.0
1,3-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1,3-Dichloropropane			Not detected	5.0	Not detected	5.0
1,4-Dichlorobenzene			Not detected	5.0	Not detected	5.0
1-Chlorohexane			Not detected	5.0	Not detected	5.0
2,2-Dichloropropane			Not detected	5.0	Not detected	5.0
2-Chlorotoluene			Not detected	5.0	Not detected	5.0
4-Chlorotoluene			Not detected	5.0	Not detected	5.0
Benzene			Not detected	5.0	Not detected	5.0
Bromobenzene			Not detected	5.0	Not detected	5.0
Bromochloromethane			Not detected	5.0	Not detected	5.0
Bromodichloromethane			Not detected	5.0	Not detected	5.0
Bromoform			Not detected	5.0	Not detected	5.0
Bromomethane			Not detected	5.0	Not detected	5.0
Carbon tetrachloride			Not detected	5.0	Not detected	5.0

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-03		07060984-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Chlorobenzene			Not detected	5.0	Not detected	5.0
Chloroethane			Not detected	5.0	Not detected	5.0
Chloroform			Not detected	5.0	Not detected	5.0
Chloromethane			Not detected	5.0	Not detected	5.0
cis-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Dibromochloromethane			Not detected	5.0	Not detected	5.0
Dibromomethane			Not detected	5.0	Not detected	5.0
Dichlorodifluoromethane			Not detected	5.0	Not detected	5.0
Ethylbenzene			Not detected	5.0	Not detected	5.0
Hexachlorobutadiene			Not detected	5.0	Not detected	5.0
Isopropylbenzene			Not detected	5.0	Not detected	5.0
Methylene chloride			Not detected	5.0	Not detected	5.0
MTBE			Not detected	5.0	Not detected	5.0
Naphthalene			Not detected	5.0	Not detected	5.0
n-Butylbenzene			Not detected	5.0	Not detected	5.0
n-Propylbenzene			Not detected	5.0	Not detected	5.0
o-Xylene			Not detected	5.0	Not detected	5.0
p- & m-Xylenes			Not detected	5.0	Not detected	5.0
p-Isopropyltoluene			Not detected	5.0	Not detected	5.0
sec-Butylbenzene			Not detected	5.0	Not detected	5.0
Styrene			Not detected	5.0	Not detected	5.0
tert-Butylbenzene			Not detected	5.0	Not detected	5.0
Tetrachloroethylene			Not detected	5.0	Not detected	5.0
Toluene			Not detected	5.0	Not detected	5.0
trans-1,3-Dichloropropylene			Not detected	5.0	Not detected	5.0
Trichloroethylene			Not detected	5.0	Not detected	5.0
Trichlorofluoromethane			Not detected	5.0	Not detected	5.0
Vinyl chloride			Not detected	5.0	Not detected	5.0
Base/Neutral Extractables	SW846-8270	ug/L	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	5.90	Not detected	5.90
1,2-Dichlorobenzene			Not detected	5.90	Not detected	5.90
1,3-Dichlorobenzene			Not detected	5.90	Not detected	5.90
1,4-Dichlorobenzene			Not detected	5.90	Not detected	5.90
2,4-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2,6-Dinitrotoluene			Not detected	5.90	Not detected	5.90
2-Chloronaphthalene			Not detected	5.90	Not detected	5.90
2-Methylnaphthalene			Not detected	5.90	Not detected	5.90
2-Nitroaniline			Not detected	5.90	Not detected	5.90
3,3'-Dichlorobenzidine			Not detected	5.90	Not detected	5.90
3-Nitroaniline			Not detected	5.90	Not detected	5.90
4-Bromophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Chloroaniline			Not detected	5.90	Not detected	5.90
4-Chlorophenyl phenyl ether			Not detected	5.90	Not detected	5.90
4-Nitroaniline			Not detected	5.90	Not detected	5.90
Acenaphthene			Not detected	5.90	Not detected	5.90
Acenaphthylene			Not detected	5.90	Not detected	5.90
Anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)anthracene			Not detected	5.90	Not detected	5.90
Benzo(a)pyrene			Not detected	5.90	Not detected	5.90
Benzo(b)fluoranthene			Not detected	5.90	Not detected	5.90
Benzo(g,h,i)perylene			Not detected	5.90	Not detected	5.90

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-03		07060984-04	
Matrix			WATER		WATER	
Parameter	Method	Units	Results	MDL	Results	MDL
Benzo(k)fluoranthene			Not detected	5.90	Not detected	5.90
Bis(2-chloroethoxy)methane			Not detected	5.90	Not detected	5.90
Bis(2-chloroethyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-chloroisopropyl)ether			Not detected	5.90	Not detected	5.90
Bis(2-ethylhexyl)phthalate			Not detected	5.90	Not detected	5.90
Butyl benzyl phthalate			Not detected	5.90	Not detected	5.90
Carbazole			Not detected	5.90	Not detected	5.90
Chrysene			Not detected	5.90	Not detected	5.90
Dibenzo(a,h)anthracene			Not detected	5.90	Not detected	5.90
Dibenzofuran			Not detected	5.90	Not detected	5.90
Diethylphthalate			Not detected	5.90	Not detected	5.90
Dimethylphthalate			Not detected	5.90	Not detected	5.90
Di-n-butylphthalate			Not detected	5.90	Not detected	5.90
Di-n-octylphthalate			Not detected	5.90	Not detected	5.90
Fluoranthene			Not detected	5.90	9	5.90
Fluorene			Not detected	5.90	Not detected	5.90
Hexachlorobenzene			Not detected	5.90	Not detected	5.90
Hexachlorobutadiene			Not detected	5.90	Not detected	5.90
Hexachlorocyclopentadiene			Not detected	5.90	Not detected	5.90
Hexachloroethane			Not detected	5.90	Not detected	5.90
Indeno(1,2,3-cd)pyrene			Not detected	5.90	Not detected	5.90
Isophorone			Not detected	5.90	Not detected	5.90
Naphthalene			Not detected	5.90	Not detected	5.90
Nitrobenzene			Not detected	5.90	Not detected	5.90
N-Nitrosodi-n-propylamine			Not detected	5.90	Not detected	5.90
N-Nitrosodiphenylamine			Not detected	5.90	Not detected	5.90
Phenanthrene			Not detected	5.90	9	5.90
Pyrene			Not detected	5.90	9	5.90
Metals, Priority Pollutant List	EPA SW846-6010	mg/L	---	---	---	---
Antimony			Not detected	0.006	0.012	0.006
Arsenic			Not detected	0.004	Not detected	0.004
Beryllium			Not detected	0.0001	Not detected	0.0001
Cadmium			Not detected	0.003	Not detected	0.003
Chromium			Not detected	0.005	Not detected	0.005
Copper			Not detected	0.005	0.009	0.005
Lead			Not detected	0.003	0.003	0.003
Nickel			Not detected	0.005	0.012	0.005
Selenium			Not detected	0.005	Not detected	0.005
Silver			Not detected	0.005	Not detected	0.005
Thallium			Not detected	0.005	Not detected	0.005
Zinc			0.017	0.005	0.020	0.005
Mercury	SW846-7470	mg/L	Not detected	0.0002	Not detected	0.0002

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	10

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,1,1-Trichloroethane			Not detected	10	Not detected	10
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	10
1,1,2-Trichloroethane			Not detected	10	Not detected	10
1,1-Dichloroethane			Not detected	10	Not detected	10
1,1-Dichloroethylene			Not detected	10	Not detected	10
1,1-Dichloropropylene			Not detected	10	Not detected	10
1,2,3-Trichlorobenzene			Not detected	10	Not detected	10
1,2,3-Trichloropropane			Not detected	10	Not detected	10
1,2,3-Trimethylbenzene			Not detected	10	Not detected	10
1,2,4-Trichlorobenzene			Not detected	10	Not detected	10
1,2,4-Trimethylbenzene			Not detected	10	Not detected	10
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	10
1,2-Dibromoethane			Not detected	10	Not detected	10
1,2-Dichlorobenzene			Not detected	10	Not detected	10
1,2-Dichloroethane			Not detected	10	Not detected	10
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	10
1,2-Dichloropropane			Not detected	10	Not detected	10
1,3,5-Trimethylbenzene			Not detected	10	Not detected	10
1,3-Dichlorobenzene			Not detected	10	Not detected	10
1,3-Dichloropropane			Not detected	10	Not detected	10
1,4-Dichlorobenzene			Not detected	10	Not detected	10
1-Chlorohexane			Not detected	10	Not detected	10
2,2-Dichloropropane			Not detected	10	Not detected	10
2-Chlorotoluene			Not detected	10	Not detected	10
4-Chlorotoluene			Not detected	10	Not detected	10
Benzene			Not detected	10	Not detected	10
Bromobenzene			Not detected	10	Not detected	10
Bromochloromethane			Not detected	10	Not detected	10
Bromodichloromethane			Not detected	10	Not detected	10
Bromoform			Not detected	10	Not detected	10
Bromomethane			Not detected	10	Not detected	10
Carbon tetrachloride			Not detected	10	Not detected	10
Chlorobenzene			Not detected	10	Not detected	10
Chloroethane			Not detected	10	Not detected	10
Chloroform			Not detected	10	Not detected	10
Chloromethane			Not detected	10	Not detected	10
cis-1,3-Dichloropropylene			Not detected	10	Not detected	10
Dibromochloromethane			Not detected	10	Not detected	10
Dibromomethane			Not detected	10	Not detected	10
Dichlorodifluoromethane			Not detected	10	Not detected	10
Ethylbenzene			Not detected	10	Not detected	10
Hexachlorobutadiene			Not detected	10	Not detected	10
Isopropylbenzene			Not detected	10	Not detected	10
Methylene chloride			Not detected	10	Not detected	10
MTBE			Not detected	10	Not detected	10
Naphthalene			Not detected	10	Not detected	10
n-Butylbenzene			Not detected	10	Not detected	10
n-Propylbenzene			Not detected	10	Not detected	10
o-Xylene			Not detected	10	Not detected	10
p- & m-Xylenes			Not detected	10	Not detected	10
p-Isopropyltoluene			Not detected	10	Not detected	10

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
sec-Butylbenzene			Not detected	10	Not detected	10
Styrene			Not detected	10	Not detected	10
tert-Butylbenzene			Not detected	10	Not detected	10
Tetrachloroethylene			Not detected	10	Not detected	10
Toluene			Not detected	10	Not detected	10
trans-1,3-Dichloropropylene			Not detected	10	Not detected	10
Trichloroethylene			Not detected	10	Not detected	10
Trichlorofluoromethane			Not detected	10	Not detected	10
Vinyl chloride			Not detected	10	Not detected	10
Base/Neutral Extractables	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	165
1,2-Dichlorobenzene			Not detected	165	Not detected	165
1,3-Dichlorobenzene			Not detected	165	Not detected	165
1,4-Dichlorobenzene			Not detected	165	Not detected	165
2,4-Dinitrotoluene			Not detected	165	Not detected	165
2,6-Dinitrotoluene			Not detected	165	Not detected	165
2-Chloronaphthalene			Not detected	165	Not detected	165
2-Methylnaphthalene			Not detected	165	Not detected	165
2-Nitroaniline			Not detected	165	Not detected	165
3,3'-Dichlorobenzidine			Not detected	165	Not detected	165
3-Nitroaniline			Not detected	165	Not detected	165
4-Bromophenyl phenyl ether			Not detected	165	Not detected	165
4-Chloroaniline			Not detected	165	Not detected	165
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	165
4-Nitroaniline			Not detected	165	Not detected	165
Acenaphthene			Not detected	165	Not detected	165
Acenaphthylene			Not detected	165	Not detected	165
Anthracene			330	165	Not detected	165
Benzo(a)anthracene			780	165	Not detected	165
Benzo(a)pyrene			710	165	Not detected	165
Benzo(b)fluoranthene			700	165	Not detected	165
Benzo(g,h,i)perylene			190	165	Not detected	165
Benzo(k)fluoranthene			640	165	Not detected	165
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	165
Bis(2-chloroethyl)ether			Not detected	165	Not detected	165
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	165
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	165
Butyl benzyl phthalate			Not detected	165	Not detected	165
Carbazole			Not detected	165	Not detected	165
Chrysene			880	165	Not detected	165
Dibenzo(a,h)anthracene			Not detected	165	Not detected	165
Dibenzofuran			Not detected	165	Not detected	165
Diethylphthalate			250	165	Not detected	165
Dimethylphthalate			Not detected	165	Not detected	165
Di-n-butylphthalate			Not detected	165	Not detected	165
Di-n-octylphthalate			Not detected	165	Not detected	165
Fluoranthene			2400	165	Not detected	165
Fluorene			Not detected	165	Not detected	165
Hexachlorobenzene			Not detected	165	Not detected	165
Hexachlorobutadiene			Not detected	165	Not detected	165
Hexachlorocyclopentadiene			Not detected	165	Not detected	165

YORK

Client Sample ID			B-1		B-2	
York Sample ID			07060984-05		07060984-06	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Hexachloroethane			Not detected	165	Not detected	165
Indeno(1,2,3-cd)pyrene			260	165	Not detected	165
Isophorone			Not detected	165	Not detected	165
Naphthalene			Not detected	165	Not detected	165
Nitrobenzene			Not detected	165	Not detected	165
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	165
N-Nitrosodiphenylamine			Not detected	165	Not detected	165
Phenanthrene			2000	165	Not detected	165
Pyrene			2000	165	Not detected	165
Metals, Priority Pollutant List	EPA SW846-6010	mg/kG	---	---	---	---
Antimony			60.3	0.80	Not detected	0.80
Arsenic			5.64	1.00	5.16	1.00
Beryllium			Not detected	0.10	Not detected	0.10
Cadmium			Not detected	0.30	Not detected	0.30
Chromium			9.62	0.50	10.3	0.50
Copper			75.2	0.60	23.7	0.60
Lead			749	0.30	29.0	0.30
Nickel			13.8	0.90	13.6	0.90
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	0.30	Not detected	0.30
Thallium			Not detected	1.00	Not detected	1.00
Zinc			300	0.60	28.9	0.60
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Volatiles, 8260 List	SW846-8260	ug/Kg	---	---	---	---
1,1,1,2-Tetrachloroethane			Not detected	10	Not detected	25
1,1,1-Trichloroethane			Not detected	10	Not detected	25
1,1,2,2-Tetrachloroethane			Not detected	10	Not detected	25
1,1,2-Trichloroethane			Not detected	10	Not detected	25
1,1-Dichloroethane			Not detected	10	Not detected	25
1,1-Dichloroethylene			Not detected	10	Not detected	25
1,1-Dichloropropylene			Not detected	10	Not detected	25
1,2,3-Trichlorobenzene			Not detected	10	Not detected	25
1,2,3-Trichloropropane			Not detected	10	Not detected	25
1,2,3-Trimethylbenzene			Not detected	10	Not detected	25
1,2,4-Trichlorobenzene			Not detected	10	Not detected	25
1,2,4-Trimethylbenzene			Not detected	10	Not detected	25
1,2-Dibromo-3-chloropropane			Not detected	10	Not detected	25
1,2-Dibromoethane			Not detected	10	Not detected	25
1,2-Dichlorobenzene			Not detected	10	Not detected	25
1,2-Dichloroethane			Not detected	10	Not detected	25
1,2-Dichloroethylene (Total)			Not detected	10	Not detected	25
1,2-Dichloropropane			Not detected	10	Not detected	25
1,3,5-Trimethylbenzene			Not detected	10	Not detected	25
1,3-Dichlorobenzene			Not detected	10	Not detected	25

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
1,3-Dichloropropane			Not detected	10	Not detected	25
1,4-Dichlorobenzene			Not detected	10	Not detected	25
1-Chlorohexane			Not detected	10	Not detected	25
2,2-Dichloropropane			Not detected	10	Not detected	25
2-Chlorotoluene			Not detected	10	Not detected	25
4-Chlorotoluene			Not detected	10	Not detected	25
Benzene			Not detected	10	Not detected	25
Bromobenzene			Not detected	10	Not detected	25
Bromochloromethane			Not detected	10	Not detected	25
Bromodichloromethane			Not detected	10	Not detected	25
Bromoform			Not detected	10	Not detected	25
Bromomethane			Not detected	10	Not detected	25
Carbon tetrachloride			Not detected	10	Not detected	25
Chlorobenzene			Not detected	10	Not detected	25
Chloroethane			Not detected	10	Not detected	25
Chloroform			Not detected	10	Not detected	25
Chloromethane			Not detected	10	Not detected	25
cis-1,3-Dichloropropylene			Not detected	10	Not detected	25
Dibromochloromethane			Not detected	10	Not detected	25
Dibromomethane			Not detected	10	Not detected	25
Dichlorodifluoromethane			Not detected	10	Not detected	25
Ethylbenzene			Not detected	10	Not detected	25
Hexachlorobutadiene			Not detected	10	Not detected	25
Isopropylbenzene			Not detected	10	Not detected	25
Methylene chloride			Not detected	10	Not detected	25
MTBE			Not detected	10	Not detected	25
Naphthalene			Not detected	10	560	25
n-Butylbenzene			Not detected	10	Not detected	25
n-Propylbenzene			Not detected	10	Not detected	25
o-Xylene			Not detected	10	Not detected	25
p- & m-Xylenes			Not detected	10	Not detected	25
p-Isopropyltoluene			Not detected	10	Not detected	25
sec-Butylbenzene			Not detected	10	Not detected	25
Styrene			Not detected	10	Not detected	25
tert-Butylbenzene			Not detected	10	Not detected	25
Tetrachloroethylene			Not detected	10	Not detected	25
Toluene			Not detected	10	Not detected	25
trans-1,3-Dichloropropylene			Not detected	10	Not detected	25
Trichloroethylene			Not detected	10	Not detected	25
Trichlorofluoromethane			Not detected	10	Not detected	25
Vinyl chloride			Not detected	10	Not detected	25
Base/Neutral Extractables	SW846-8270	ug/Kg	---	---	---	---
1,2,4-Trichlorobenzene			Not detected	165	Not detected	830
1,2-Dichlorobenzene			Not detected	165	Not detected	830
1,3-Dichlorobenzene			Not detected	165	Not detected	830
1,4-Dichlorobenzene			Not detected	165	Not detected	830
2,4-Dinitrotoluene			Not detected	165	Not detected	830
2,6-Dinitrotoluene			Not detected	165	Not detected	830
2-Chloronaphthalene			Not detected	165	Not detected	830
2-Methylnaphthalene			Not detected	165	1800	830
2-Nitroaniline			Not detected	165	Not detected	830

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
3,3'-Dichlorobenzidine			Not detected	165	Not detected	830
3-Nitroaniline			Not detected	165	Not detected	830
4-Bromophenyl phenyl ether			Not detected	165	Not detected	830
4-Chloroaniline			Not detected	165	Not detected	830
4-Chlorophenyl phenyl ether			Not detected	165	Not detected	830
4-Nitroaniline			Not detected	165	Not detected	830
Acenaphthene			Not detected	165	3300	830
Acenaphthylene			Not detected	165	1300	830
Anthracene			Not detected	165	8600	830
Benzo(a)anthracene			Not detected	165	18000	830
Benzo(a)pyrene			Not detected	165	6300	830
Benzo(b)fluoranthene			Not detected	165	7900	830
Benzo(g,h,i)perylene			Not detected	165	Not detected	830
Benzo(k)fluoranthene			Not detected	165	5000	830
Bis(2-chloroethoxy)methane			Not detected	165	Not detected	830
Bis(2-chloroethyl)ether			Not detected	165	Not detected	830
Bis(2-chloroisopropyl)ether			Not detected	165	Not detected	830
Bis(2-ethylhexyl)phthalate			Not detected	165	Not detected	830
Butyl benzyl phthalate			Not detected	165	Not detected	830
Carbazole			Not detected	165	3100	830
Chrysene			Not detected	165	17000	830
Dibenzo(a,h)anthracene			Not detected	165	Not detected	830
Dibenzofuran			Not detected	165	2900	830
Diethylphthalate			Not detected	165	Not detected	830
Dimethylphthalate			Not detected	165	Not detected	830
Di-n-butylphthalate			Not detected	165	Not detected	830
Di-n-octylphthalate			Not detected	165	Not detected	830
Fluoranthene			Not detected	165	44000	830
Fluorene			Not detected	165	4700	830
Hexachlorobenzene			Not detected	165	Not detected	830
Hexachlorobutadiene			Not detected	165	Not detected	830
Hexachlorocyclopentadiene			Not detected	165	Not detected	830
Hexachloroethane			Not detected	165	Not detected	830
Indeno(1,2,3-cd)pyrene			Not detected	165	1000	830
Isophorone			Not detected	165	Not detected	830
Naphthalene			Not detected	165	3300	830
Nitrobenzene			Not detected	165	Not detected	830
N-Nitrosodi-n-propylamine			Not detected	165	Not detected	830
N-Nitrosodiphenylamine			Not detected	165	Not detected	830
Phenanthrene			Not detected	165	44000	830
Pyrene			Not detected	165	40000	830
Metals, Priority Pollutant List	EPA SW846-6010	mg/kG	---	---	---	---
Antimony			Not detected	0.80	66.5	0.80
Arsenic			3.71	1.00	8.17	1.00
Beryllium			Not detected	0.10	Not detected	0.10
Cadmium			Not detected	0.30	0.98	0.30
Chromium			10.8	0.50	16.1	0.50

YORK

Client Sample ID			B-3		B-4	
York Sample ID			07060984-07		07060984-08	
Matrix			SOIL		SOIL	
Parameter	Method	Units	Results	MDL	Results	MDL
Copper			15.9	0.60	152	0.60
Lead			7.51	0.30	1100	0.30
Nickel			13.2	0.90	17.5	0.90
Selenium			Not detected	1.00	Not detected	1.00
Silver			Not detected	0.30	0.92	0.30
Thallium			Not detected	1.00	Not detected	1.00
Zinc			34.3	0.60	560	0.60
Mercury	SW846-7471	mg/kG	Not detected	0.10	Not detected	0.10

Units Key: For Waters/Liquids: mg/L = ppm ; ug/L = ppb For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

Notes for York Project No. 07060984

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: for Robert Q. Bradley
Managing Director

Date: 6/29/2007

YORK

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Base Neutral fraction QC*** **Batch Name:** $BNW-23292 **QA Sample #:** AD37926

Unit of Measure: ug/L **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,4-Dichlorobenzene	40	Not detected	Not detected	100	44	**44.0**	36	**36.000**	**20.0**
2,4-Dinitrotoluene	42	Not detected	Not detected	100	57	**57.0**	51	**51.000**	**11.1**
Acenapthene	60	Not detected	Not detected	100	64	**64.0**	56	**56.000**	**13.3**
N-Nitroso-di-n-propy	42	Not detected	Not detected	100	62	**62.0**	53	**53.000**	**15.7**
Pyrene	71	Not detected	Not detected	100	74	**74.0**	67	**67.000**	**9.9**
1,2,4-Trichlorobenze	56	Not detected	Not detected	100	60	**60.0**	51	**51.000**	**16.2**

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Metals, Target Analyte List(TAL)*** **Batch Name:** $MTAQ-23293 **QA Sample #:** AD37926

Unit of Measure: ppm **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
Antimony	97.7	Not detected	Not detected	0.250	0.239	**95.600**	Not detected		
Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Chromium	100	Not detected	Not detected	0.200	0.199	**99.500**	Not detected		
Calcium	Not detected	Not detected	Not detected		Not detected		Not detected		
Cadmium	95.4	Not detected	Not detected	0.050	0.046	**92.000**	Not detected		
Beryllium	97.5	Not detected	Not detected	0.050	0.049	**98.000**	Not detected		
Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Arsenic	91.1	Not detected	Not detected	2.00	2.06	**103.000**	Not detected		
Lead	103	0.004	Not detected	0.500	0.475	**94.200**	0.004		**0.000**
Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Barium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Sodium	Not detected	Not detected	Not detected		Not detected		Not detected		
Zinc	101	0.016	Not detected	0.500	0.520	**100.800**	0.016		**0.000**
Copper	102	0.006	Not detected	0.250	0.264	**103.200**	0.005		**18.182**
Thallium	105	Not detected	Not detected	2.00	1.80	**90.000**	Not detected		
Silver	103	Not detected	Not detected	0.050	0.054	**108.000**	Not detected		
Selenium	94.6	Not detected	Not detected	2.00	2.09	**104.500**	Not detected		
Potassium	Not detected	Not detected	Not detected		Not detected		Not detected		
Nickel	100	0.006	Not detected	0.500	0.508	**100.400**	0.007		**15.385**
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		
Magnesium	Not detected	Not detected	Not detected		Not detected		Not detected		
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***VOA QC WATERS*** **Batch Name:** $VOAW-23296 **QA Sample #:** AD37926

Unit of Measure: ug/L **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,1-Dichloroethylene	92	Not detected	Not detected	50	44	**88.0**	43	**86.0**	**2.3**
Benzene	108	Not detected	Not detected	50	50	**100.0**	49	**98.0**	**2.0**
Chlorobenzene	100	Not detected	Not detected	50	47	**94.0**	50	**100.0**	**6.2**
Toluene	110	Not detected	Not detected	50	54	**108.0**	53	**106.0**	**1.9**
Trichloroethylene	112	Not detected	Not detected	50	52	**104.0**	57	**114.0**	**9.2**

Associated Samples: AD37926 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Mercury*** **Batch Name:** HG_W-23298 **QA Sample #:** AD37926

Unit of Measure: mg/L **York's Sample ID:** 07060984-01

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
HG_W	103.2	Not detected	Not detected	0.0030	0.0031	**108.2**	Not detected		**0**

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Base Neutral fraction QC*** **Batch Name:** $BNS-23291 **QA Sample #:** AD37930

Unit of Measure: ug/kg **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,4-Dichlorobenzene	44	Not detected	Not detected	100	28	**28.0**	31	**31.000**	**10.2**
2,4-Dinitrotoluene	51	Not detected	Not detected	100	55	**55.0**	55	**55.000**	**0.0**
Acenapthene	63	Not detected	Not detected	100	49	**49.0**	59	**59.000**	**18.5**
N-Nitroso-di-n-propy	56	Not detected	Not detected	100	49	**49.0**	60	**60.000**	**20.2**
Pyrene	73	Not detected	Not detected	100	54	**54.0**	70	**70.000**	**25.8**
1,2,4-Trichlorobenze	56	Not detected	Not detected	100	40	**40.0**	43	**43.000**	**7.2**

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Metals, Target Analyte List(TAL)*** **Batch Name:** $MTS-23294 **QA Sample #:** AD37930

Unit of Measure: ppm **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
Antimony	140	60.3	Not detected	25.0	82.5	**88.80**	60.5		**0.33**
Cobalt	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Chromium	102	9.62	Not detected	20.0	29.3	**98.400**	9.66		**0.415**
Calcium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Cadmium	100	0	Not detected	5.0	4.88	**97.600**	Not detected		**Not detected**
Beryllium	102	0	Not detected	5.0	4.78	**95.600**	Not detected		**Not detected**
Iron	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Arsenic	99.3	5.64	Not detected	200	199	**96.68**	5.28		**6.59**
Lead	101	749	Not detected	50.0	805	**112.00**	747		**0.27**
Aluminum	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Barium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Sodium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Zinc	102	300	Not detected	50.0	352	**104.00**	299		**0.33**
Copper	113	75.2	Not detected	25.0	103	**111.20**	74.7		**0.67**
Thallium	95.4	0	Not detected	200	190	**95.00**	Not detected		**Not detected**
Silver	104	0	Not detected	5.0	5.05	**101.00**	Not detected		**Not detected**
Selenium	105	0	Not detected	200	196	**98.00**	Not detected		**Not detected**
Potassium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Nickel	112	13.8	Not detected	50.0	63.7	**99.80**	13.7		**0.73**
Manganese	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Magnesium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**
Vanadium	Not detected	Not detected	Not detected	Not detected	Not detected		Not detected		**Not detected**

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Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***VOA QC Soils*** **Batch Name:** $VOAS-23295 **QA Sample #:** AD37930

Unit of Measure: ug/kg **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
1,1-Dichloroethylene	92	Not detected	Not detected	50	44	**88.0**	43	**86.0**	**2.3**
Benzene	108	Not detected	Not detected	50	50	**100.0**	49	**98.0**	**2.0**
Chlorobenzene	100	Not detected	Not detected	50	47	**94.0**	50	**100.0**	**6.2**
Toluene	110	Not detected	Not detected	50	54	**108.0**	53	**106.0**	**1.9**
Trichloroethylene	112	Not detected	Not detected	50	52	**104.0**	57	**114.0**	**9.2**

Associated Samples: AD37930 29-Jun-07

Client: IVI International, Inc.

Analysis Name: ***Mercury*** **Batch Name:** HG_S-23297 **QA Sample #:** AD37930

Unit of Measure: mg/kG **York's Sample ID:** 07060984-05

Parameter	LCS(%)	Unspiked Result	Blank	Matrix Spike Amount	Matrix Spike Result	Matrix Spike Recovery, %	Spike Duplicate Duplicate	Spike Duplicate Recovery,%	Spike Duplicate Precision, RPD
HG_S	90.0	Not detected	Not detected	1.50	1.37	**94.4**	Not detected		**0.9**

YORK
ANALYTICAL LABORATORIES, INC.
120 RESEARCH DRIVE
STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

Field Chain-of-Custody Record

07060984

Company Name	Report To:	Invoice To:	Project ID/No.	
IVI ENVIRONMENTAL, INC.	JASON A. RANKIN	IVI	E70631663/ WEST & LEROY STREETS, NEW YORK N.Y.	Samples Collected By (Signature): Jason A. Rankin Name (Printed): JASON A. RANKIN

Sample No.	Location/ID	Date Sampled	Sample Matrix: Water	Soil	Air	OTHER	ANALYSES REQUESTED	Container Description(s)
1	B-1	06/27/07	X	X			VOCs, BN, and PPM	1x4oz UNPRES. JAR 1x8oz " " 2x40mL HCl VIAL
2	B-2							1x1L UNPRES AMBER. 1x250mL HNO_3 PLASTIC BOTTLE
3	B-3							
4	B-4							

Chain-of-Custody Record

Bottles Relinquished from Lab by	Date/Time	Jason A. Rankin Sample Relinquished by	06/27/07 @ 1230 Date/Time	Sample Received by	Date/Time
Bottles Received in Field by	Date/Time	FED-EX Sample Relinquished by	06/27/07 @ 800 Date/Time	6/28 Sample Received in LAB by	9:40AM Date/Time

Comments/Special Instructions
250mL PLASTIC BOTTLE – PPM FILTERED IN THE FIELD

4.0C

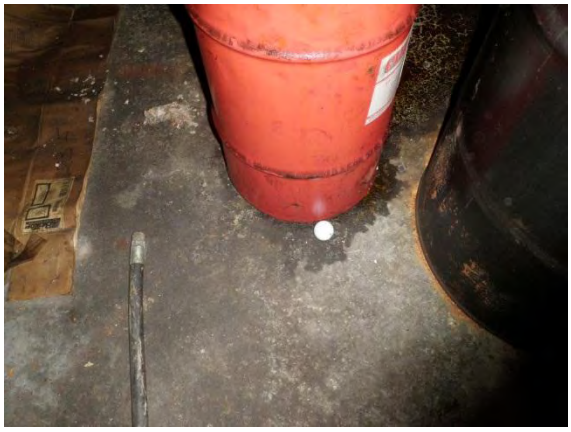
Turn-Around Time
___ Standard ✓ RUSH(define) 24 hrs.

ATTACHMENT B

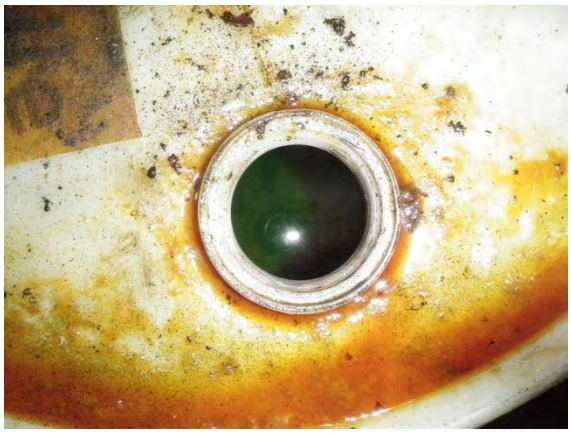
Attachment B – Site Photographs
Environmental Site Investigation Report
359 West Street
New York, NY
Langan Project No. 170215701

Photo 1a/1b: Two of four Lube Cube® ASTs observed in cellar/oil change pit.

Photos 2a/2b: View of signage observed on AST and unknown liquid in AST.



Photos 3a/3b: View of 30-gallon drum with oily liquid and observed leakage/staining at base.



Photos 4a/4b: View of 55-gallon plastic drums observed in cellar with unknown liquid.

Photo 5: View of drain or fill port observed in floor with oil and staining around edge.

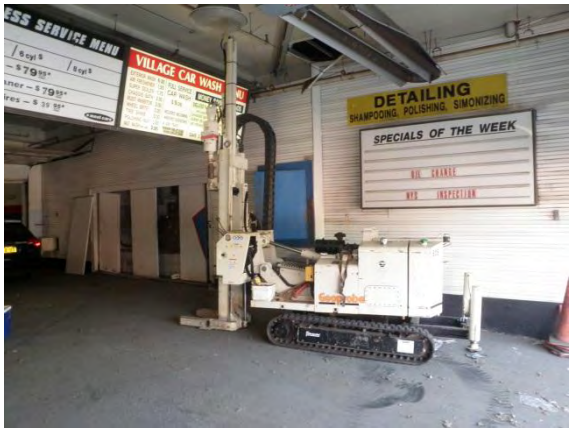


Photo 6a/6b: View of ADT advancing core barrel at boring location SB-1

Photo 7a/7b: View of typical soil sample and Langan screening for VOCs with a PID.

Photo 8a/8b: View of temporary monitoring well TMW-1 and groundwater sample collection.

Photo 9: View of ADT installing soil vapor sample point SV-1 with a hammer drill.

Photos 10a/10b: View of sub-slab vapor point and QA/QC measures.

Photo 11: View of sub-slab soil vapor sample collection.

Photo 12: View of boring SB-1 backfilled to grade and patched with concrete.

ATTACHMENT C

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING LB-1 / TMW-1 **SHEET** 1 **OF** 1

PROJECT	358 WEST STREET	PROJECT NO.	170215701
LOCATION	MANHATTAN, NEW YORK	ELEVATION AND DATUM	NA
DRILLING AGENCY	Aquifer Drilling & Testing (ADT)	DATE STARTED / DATE FINISHED	9/17/12 / 9/17/12
DRILLING EQUIPMENT	GEOPROBE 6610 DT	COMPLETION DEPTH / ROCK DEPTH	15' / NA
SIZE AND TYPE OF BIT	3" Core Barrel	NO. SAMPLES 3 DIST. / UNDIST. 3	CORE
CASING	—	WATER LEVEL: FIRST / COMPL.	24 HR.
CASING HAMMER — WEIGHT	DROP	FOREMAN	A. Larkin
SAMPLER	2" x 5' Macro Core	INSPECTOR	S. Lowes
SAMPLER HAMMER — WEIGHT	DROP		

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
0-11" Concrete 11-16" Brown - C-F Sand with some small Gravel, tr. Brick, Dry Redrilled @ 1230 26" Recovered 0-8" Concrete 8-12" Black - C-F Sand	1 2 3 4	LB-1 (0-5)	2"x5' MC	16"	PID 212 320 4,117 9,999 9,999	No Stains No Odor LB-1 (3-5) Collected @ 1230
0-12" - Brown - C-F Sand with some small gravel, (Dry) 12"-30" - Light brown, fine sand with some silty sand mixture tr, small gravel wet @ 26" 30-39" - Grey, fine, silty sand	5 6 7 8 9	LB-1 (5-10)	2"x5' MC	39"	9,999 85 6.2 3.1 1.9	No Stains No odor Gas @ ~ 9.5' bgs - measured with IP LB-1 (7-9) @ 12:15 collected
0-23" - Black & grey silt / silty sand mixture (wet)	10 11 12 13 14	LB-1 (10-15)	2"x5' MC	23"	0.7 0.1 0.1 0.1	No Stains No odor

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING LB-2 / TMW-2 **SHEET** 1 **OF** 2

PROJECT	358 West Street	PROJECT NO.	170215701
LOCATION	Manhattan, New York	ELEVATION AND DATUM	N/A
DRILLING AGENCY	Aquifer Drilling & Testing (ADT)	DATE STARTED 9/17/12	DATE FINISHED 9/17/12
DRILLING EQUIPMENT	Geoprobe 6610 DT	COMPLETION DEPTH 20'	ROCK DEPTH NA
SIZE AND TYPE OF BIT	3" Core barrel	NO. SAMPLES 4 DIST.	UNDIST. 4 CORE
CASING	SS	WATER LEVEL FIRST	COMPL. 24 HR.
CASING HAMMER NA WEIGHT	DROP	FOREMAN	Andrea Larkin
SAMPLER	2" x 5' Macro Core	INSPECTOR	S. Lowes
SAMPLER HAMMER NA WEIGHT	DROP		

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLOW/in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
0-6" Concrete 6-25" - Brown, C-F SAND with small gravel trace Brick	1 2 3 4 5	LB-2 (0-5)	MC	85"	PID 45.9 117 320 444 9,999	No stains No odors LB-2 (3-5) @ 1400
0-34" - Brown, C-F SAND with some small gravel, tr silty sands	6 7 8 9 10	LB-2 (5-10)	MC	39"	120 78.4 64.6 48.1	No stains No odor
0-9" - Brown, C-F SAND with some small gravel (Dry) 9-32" - Light Brown, fine sand with some silty sand mixture (wet) 32-43 Grey, ~~gravelly~~ Coarse Sand with tr silt, sand mixture	11 12 13 14	LB-2 (10-15)	MC	43"	107.2 1.7 0.1 0.1 0.1	No stains No odors GW @ ~~LB5~~ 13.1' bgs LB-2 (10-12) 1415

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

JOB NO. 170215701

DATE 9/17/12

LOG OF BORING NO. LB-2

SHEET 2 OF 2

	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	0-26" - Grey, coarse sand with some silty sand mixture					PID	No stains
		15				0.1	No odor
		16	LB-2 (15-20)			0.1	
		17		MC	26"	0.1	
		18		2"x5'		0.1	
		19				0.1	
		20					

086100

ATTACHMENT D

GROUNDWATER PARAMETERS RECORD
ENVIRONMENTAL SITE INVESTIGATION REPORT
359 WEST STREET, NEW YORK, NY
LANGAN PROJECT NO. 170215701

GROUNDWATER PARAMETERS RECORD							
Location	**Date**	**pH**	**CONDUCTIVITY**	**TURBIDITY**	**DISSOVLED OXYGEN**	**TEMP.**	**OXYDATION REDUCTION POTENTIAL**
	UNITS	pH *	ms/cm	NTUs	ppm	°C	mV
TMW-1	9/17/2012	6.79	2.54	1000	12.49	20.63	72
TMW-2	9/17/2012	6.75	2.72	681	4.83	20.8	6

ATTACHMENT E

Soil Vapor Sample Log

Site: 359 WEST STREET
Project No. 170215701

Location: MANHATTAN, NY
Sampler: SPL

Sample ID	Date	Regulator No.	Summa Canister No.	Start Time	Start Pressure (mm Hg)	Stop Time	Stop Pressure (mm Hg)	Post-Purge Helium Reading (In chamber/At sample tube)
SV-1	9/17/12	10613	10409	1342	-30	1542	-3	0 0ppm

ATTACHMENT F

CHEMTECH

DATA FOR

VOLATILE ORGANICS

PROJECT NAME : WEST & LEROY STREETS

LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC

360 West 31st Street

21 Penn Plaza, Ste 800

New York, NY - 10001

Phone No: 2124795400

ORDER ID : D4252

ATTENTION : Gerald Nicholls

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Date : 09/25/2012

Dear Gerald Nicholls,

1 air samples for the **West & Leroy Streets** project were received on **09/18/2012.** The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

The invoice for this workorder is also attached to the e-mail.

Regards,

Kurt Hummler

908-728-3143

khummler@chemtech.net

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

CHEMTECH Project No. : D4252

Client Contact Information	Bottle Order ID : **B1209052**	Courier :	____ of ____ COCs
Client ID : **LANG03** Project ID :	**West & Leroy Streets**	Sampler Name(s) : SEAN LOWES	Analysis / Matrix
Customer Name : **Langan Engineering and Environmental Services, Inc**	Project Manager : **Gerald nicholls**	AIR ANALYSIS CHAIN-OF-CUSTODY	
Address : **360 West 31st Street**	Phone Number : **2124795400**		
21 Penn Plaza, Ste 800	Fax Number : **2124795544**		
City : **New York**	Site Details:		
State : **NY**	Analysis Turnaround Time STANDARD		
Zip Code : **10001**	Standard : **15 business days**	Data Package Type : LEVEL 2 ~~SUMMARY~~	
Country :	Rush (Specify): _____ **Days**	EDD Type :	

Sample Identification	Sample Date(s)	Time Start (24 hr Clock)	Time Stop (24 hr Clock)	Can Vacuum in Field ("Hg) (Start)	Can Vacuum in Field ("Hg) (Stop)**	Interior Temp. (F) (Start)	Interior Temp. (F) (Stop)	Out going Can Pressure ("Hg)(Lab)	In coming Can Pressure ("Hg)(Lab)	Flow Reg. ID	Can ID	Can Size (L)	Flow Controller Readout (ml/min)	Can Cert ID	TO-15				Indoor/Ambinet Air	Soil Gas		
SV-1	9/17/12	1342	1542	-30	-3	73	73	-30		10613	10409	6 L	50	VL017715.D	X					X		

Temperature (Fahrenheit)	Ambient	Maximum	Minimum
Start	73	81	68
Stop	75	81	68

Pressure (Inches of Hg)	Ambient	Maximum	Minimum
Start	30.08	30.08	30.08
Stop	30.06	30.06	30.06

GC/MS Analyst Signature (TO-15): [signature]

** Submittal of this COC indicates approval of the analysis based on existing conditions.

Please follow the instructions on the back of this COC.

Special Instructions/QC Requirements & Comments :

Suspected Contamination: High Medium (Low)

PID Readings: 0.0 ppm

Sampling site (State): New York

Quick Connector required : NO

Canisters Shiped by:	Date/Time: 09/14/12	Canisters Received by:	Date/Time:
Samples Relinquished by: [signature]	Date/Time: 9/18/12 1400	Received by: [signature]	Date/Time: 9.18.12 12:00 pm
Relinquished by: [signature]	Date/Time: 9.18.12 1300	Received by: [signature]	Date/Time:

B1209052 - 1

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1	SDG No.:	D4252
Lab Sample ID:	D4252-01	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017950.D	1		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	0.28	1.38	J	0.04	0.25	0.5	ppbv
75-65-0	tert-Butyl alcohol	0.65	1.97		0.1	0.25	0.5	ppbv
74-87-3	Chloromethane	0.1	0.21	J	0.06	0.25	0.5	ppbv
80-62-6	Methyl Methacrylate	0.25	1.02	U	0.1	0.25	0.5	ppbv
75-01-4	Vinyl Chloride	0.25	0.64	U	0.03	0.25	0.5	ppbv
74-83-9	Bromomethane	0.25	0.97	U	0.03	0.25	0.5	ppbv
75-00-3	Chloroethane	0.1	0.26	J	0.07	0.25	0.5	ppbv
75-69-4	Trichlorofluoromethane	0.44	2.47	J	0.04	0.25	0.5	ppbv
76-14-2	Dichlorotetrafluoroethane	0.25	1.75	U	0.04	0.25	0.5	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	0.06	0.46	J	0.04	0.25	0.5	ppbv
593-60-2	Bromoethene	0.25	1.09	U	0.03	0.25	0.5	ppbv
142-82-5	Heptane	0.35	1.43	J	0.06	0.25	0.5	ppbv
75-35-4	1,1-Dichloroethene	0.25	0.99	U	0.05	0.25	0.5	ppbv
67-64-1	Acetone	87	206	E	0.1	0.25	0.5	ppbv
75-15-0	Carbon Disulfide	1.5	4.67		0.05	0.25	0.5	ppbv
1634-04-4	Methyl tert-Butyl Ether	0.25	0.9	U	0.05	0.25	0.5	ppbv
75-09-2	Methylene Chloride	0.2	0.69	J	0.05	0.25	0.5	ppbv
107-05-1	Allyl Chloride	0.25	0.78	U	0.05	0.25	0.5	ppbv
156-60-5	trans-1,2-Dichloroethene	0.25	0.99	U	0.06	0.25	0.5	ppbv
75-34-3	1,1-Dichloroethane	0.25	1.01	U	0.04	0.25	0.5	ppbv
110-82-7	Cyclohexane	0.26	0.89	J	0.08	0.25	0.5	ppbv
78-93-3	2-Butanone	4.8	14.2		0.1	0.25	0.5	ppbv
56-23-5	Carbon Tetrachloride	0.04	0.25	J	0.03	0.25	0.5	ppbv
156-59-2	cis-1,2-Dichloroethene	0.25	0.99	U	0.06	0.25	0.5	ppbv
67-66-3	Chloroform	0.16	0.78	J	0.02	0.25	0.5	ppbv
123-91-1	1,4-Dioxane	0.25	0.9	U	0.09	0.25	0.5	ppbv
71-55-6	1,1,1-Trichloroethane	1.4	7.64		0.03	0.25	0.5	ppbv
109-99-9	Tetrahydrofuran	0.25	0.74	U	0.08	0.25	0.5	ppbv
540-84-1	2,2,4-Trimethylpentane	2.1	9.81		0.04	0.25	0.5	ppbv
71-43-2	Benzene	0.44	1.41	J	0.04	0.25	0.5	ppbv
107-06-2	1,2-Dichloroethane	0.25	1.01	U	0.07	0.25	0.5	ppbv
79-01-6	Trichloroethene	0.07	0.38	J	0.03	0.25	0.5	ppbv
78-87-5	1,2-Dichloropropane	0.25	1.16	U	0.06	0.25	0.5	ppbv
75-27-4	Bromodichloromethane	0.25	1.67	U	0.05	0.25	0.5	ppbv
108-10-1	4-Methyl-2-Pentanone	0.24	0.98	J	0.06	0.25	0.5	ppbv
108-88-3	Toluene	3.2	12.1		0.05	0.25	0.5	ppbv
10061-02-6	t-1,3-Dichloropropene	0.25	1.13	U	0.07	0.25	0.5	ppbv
10061-01-5	cis-1,3-Dichloropropene	0.25	1.13	U	0.06	0.25	0.5	ppbv

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1	SDG No.:	D4252
Lab Sample ID:	D4252-01	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017950.D	1		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	0.25	1.36	U	0.08	0.25	0.5	ppbv
124-48-1	Dibromochloromethane	0.25	2.13	U	0.05	0.25	0.5	ppbv
106-93-4	1,2-Dibromoethane	0.25	1.92	U	0.07	0.25	0.5	ppbv
127-18-4	Tetrachloroethene	7	47.5		0.03	0.25	0.5	ppbv
108-90-7	Chlorobenzene	0.25	1.15	U	0.09	0.25	0.5	ppbv
100-41-4	Ethyl Benzene	0.91	3.95		0.08	0.25	0.5	ppbv
179601-23-1	m/p-Xylene	3.1	13.5		0.11	0.5	1	ppbv
95-47-6	o-Xylene	2.7	11.7		0.07	0.25	0.5	ppbv
100-42-5	Styrene	0.12	0.51	J	0.07	0.25	0.5	ppbv
75-25-2	Bromoform	0.25	2.58	U	0.05	0.25	0.5	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	0.25	1.72	U	0.1	0.25	0.5	ppbv
95-49-8	2-Chlorotoluene	0.25	1.29	U	0.1	0.25	0.5	ppbv
108-67-8	1,3,5-Trimethylbenzene	0.37	1.82	J	0.09	0.25	0.5	ppbv
95-63-6	1,2,4-Trimethylbenzene	1.3	6.39		0.1	0.25	0.5	ppbv
622-96-8	4-Ethyltoluene	0.43	2.11	J	0.08	0.25	0.5	ppbv
541-73-1	1,3-Dichlorobenzene	0.25	1.5	U	0.08	0.25	0.5	ppbv
106-46-7	1,4-Dichlorobenzene	0.25	1.5	U	0.06	0.25	0.5	ppbv
95-50-1	1,2-Dichlorobenzene	0.25	1.5	U	0.07	0.25	0.5	ppbv
120-82-1	1,2,4-Trichlorobenzene	0.25	1.86	U	0.04	0.25	0.5	ppbv
87-68-3	Hexachloro-1,3-Butadiene	0.25	2.67	U	0.08	0.25	0.5	ppbv
106-99-0	1,3-Butadiene	0.25	0.55	U	0.09	0.25	0.5	ppbv
110-54-3	Hexane	2.4	8.46		0.04	0.25	0.5	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	10.4			65 - 135		104%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	900451		6.36				
540-36-3	1,4-Difluorobenzene	2518300		7.92				
3114-55-4	Chlorobenzene-d5	2253250		12.89				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1	SDG No.:	D4252
Lab Sample ID:	D4252-01	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017950.D	1		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1DL	SDG No.:	D4252
Lab Sample ID:	D4252-01DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017951.D	10		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS								
75-71-8	Dichlorodifluoromethane	2.5	12.4	U	0.4	2.5	5	ppbv
75-65-0	tert-Butyl alcohol	2.5	7.58	U	1	2.5	5	ppbv
74-87-3	Chloromethane	2.5	5.16	U	0.6	2.5	5	ppbv
80-62-6	Methyl Methacrylate	2.5	10.2	U	1	2.5	5	ppbv
75-01-4	Vinyl Chloride	2.5	6.39	U	0.3	2.5	5	ppbv
74-83-9	Bromomethane	2.5	9.71	U	0.3	2.5	5	ppbv
75-00-3	Chloroethane	2.5	6.6	U	0.7	2.5	5	ppbv
75-69-4	Trichlorofluoromethane	2.5	14.0	U	0.4	2.5	5	ppbv
76-14-2	Dichlorotetrafluoroethane	2.5	17.5	U	0.4	2.5	5	ppbv
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	19.2	U	0.4	2.5	5	ppbv
593-60-2	Bromoethene	2.5	10.9	U	0.3	2.5	5	ppbv
142-82-5	Heptane	2.5	10.2	U	0.6	2.5	5	ppbv
75-35-4	1,1-Dichloroethene	2.5	9.91	U	0.5	2.5	5	ppbv
67-64-1	Acetone	100	237	D	1	2.5	5	ppbv
75-15-0	Carbon Disulfide	2.5	7.79	U	0.5	2.5	5	ppbv
1634-04-4	Methyl tert-Butyl Ether	2.5	9.01	U	0.5	2.5	5	ppbv
75-09-2	Methylene Chloride	2.5	8.69	U	0.5	2.5	5	ppbv
107-05-1	Allyl Chloride	2.5	7.83	U	0.5	2.5	5	ppbv
156-60-5	trans-1,2-Dichloroethene	2.5	9.91	U	0.6	2.5	5	ppbv
75-34-3	1,1-Dichloroethane	2.5	10.1	U	0.4	2.5	5	ppbv
110-82-7	Cyclohexane	2.5	8.61	U	0.8	2.5	5	ppbv
78-93-3	2-Butanone	4.6	13.6	JD	1	2.5	5	ppbv
56-23-5	Carbon Tetrachloride	2.5	15.7	U	0.3	2.5	5	ppbv
156-59-2	cis-1,2-Dichloroethene	2.5	9.91	U	0.6	2.5	5	ppbv
67-66-3	Chloroform	2.5	12.2	U	0.2	2.5	5	ppbv
123-91-1	1,4-Dioxane	2.5	9.01	U	0.9	2.5	5	ppbv
71-55-6	1,1,1-Trichloroethane	2.5	13.6	U	0.3	2.5	5	ppbv
109-99-9	Tetrahydrofuran	2.5	7.37	U	0.8	2.5	5	ppbv
540-84-1	2,2,4-Trimethylpentane	2.5	11.7	U	0.4	2.5	5	ppbv
71-43-2	Benzene	2.5	7.99	U	0.4	2.5	5	ppbv
107-06-2	1,2-Dichloroethane	2.5	10.1	U	0.7	2.5	5	ppbv
79-01-6	Trichloroethene	2.5	13.4	U	0.3	2.5	5	ppbv
78-87-5	1,2-Dichloropropane	2.5	11.6	U	0.6	2.5	5	ppbv
75-27-4	Bromodichloromethane	2.5	16.8	U	0.5	2.5	5	ppbv
108-10-1	4-Methyl-2-Pentanone	2.5	10.2	U	0.6	2.5	5	ppbv
108-88-3	Toluene	2.7	10.2	JD	0.5	2.5	5	ppbv
10061-02-6	t-1,3-Dichloropropene	2.5	11.4	U	0.7	2.5	5	ppbv
10061-01-5	cis-1,3-Dichloropropene	2.5	11.4	U	0.6	2.5	5	ppbv

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1DL	SDG No.:	D4252
Lab Sample ID:	D4252-01DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017951.D	10		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units
79-00-5	1,1,2-Trichloroethane	2.5	13.6	U	0.8	2.5	5	ppbv
124-48-1	Dibromochloromethane	2.5	21.3	U	0.5	2.5	5	ppbv
106-93-4	1,2-Dibromoethane	2.5	19.2	U	0.7	2.5	5	ppbv
127-18-4	Tetrachloroethene	5.8	39.3	D	0.3	2.5	5	ppbv
108-90-7	Chlorobenzene	2.5	11.5	U	0.9	2.5	5	ppbv
100-41-4	Ethyl Benzene	2.5	10.9	U	0.8	2.5	5	ppbv
179601-23-1	m/p-Xylene	2.3	9.99	JD	1.1	5	10	ppbv
95-47-6	o-Xylene	2.2	9.56	JD	0.7	2.5	5	ppbv
100-42-5	Styrene	2.5	10.6	U	0.7	2.5	5	ppbv
75-25-2	Bromoform	2.5	25.8	U	0.5	2.5	5	ppbv
79-34-5	1,1,2,2-Tetrachloroethane	2.5	17.2	U	1	2.5	5	ppbv
95-49-8	2-Chlorotoluene	2.5	12.9	U	1	2.5	5	ppbv
108-67-8	1,3,5-Trimethylbenzene	2.5	12.3	U	0.9	2.5	5	ppbv
95-63-6	1,2,4-Trimethylbenzene	2.5	12.3	U	1	2.5	5	ppbv
622-96-8	4-Ethyltoluene	2.5	12.3	U	0.8	2.5	5	ppbv
541-73-1	1,3-Dichlorobenzene	2.5	15.0	U	0.8	2.5	5	ppbv
106-46-7	1,4-Dichlorobenzene	2.5	15.0	U	0.6	2.5	5	ppbv
95-50-1	1,2-Dichlorobenzene	2.5	15.0	U	0.7	2.5	5	ppbv
120-82-1	1,2,4-Trichlorobenzene	2.5	18.6	U	0.4	2.5	5	ppbv
87-68-3	Hexachloro-1,3-Butadiene	2.5	26.7	U	0.8	2.5	5	ppbv
106-99-0	1,3-Butadiene	2.5	5.53	U	0.9	2.5	5	ppbv
110-54-3	Hexane	2.5	8.81	U	0.4	2.5	5	ppbv
SURROGATES								
460-00-4	1-Bromo-4-Fluorobenzene	9.55			65 - 135		96%	SPK: 10
INTERNAL STANDARDS								
74-97-5	Bromochloromethane	1174690		6.35				
540-36-3	1,4-Difluorobenzene	3605770		7.92				
3114-55-4	Chlorobenzene-d5	3134710		12.89				

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
D = Dilution

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
Q = indicates LCS control criteria did not meet requirements

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	SV-1DL	SDG No.:	D4252
Lab Sample ID:	D4252-01DL	Matrix:	AIR
Analytical Method:	TO-15	Test:	TO-15
Sample Wt/Vol:	400 Units: mL		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VL017951.D	10		09/19/12	VL091812

CAS Number	Parameter	Conc. ppbv	Conc. ug/M3	Qualifier	MDL	LOD	LOQ / CRQL	Units

CHEMTECH

DATA FOR

VOLATILE ORGANICS

SEMI-VOLATILE ORGANICS

GC SEMI-VOLATILES

METALS

PROJECT NAME : WEST & LEROY STREETS

LANGAN ENGINEERING AND ENVIRONMENTAL SERVICES, INC

360 West 31st Street

21 Penn Plaza, Ste 800

New York, NY - 10001

Phone No: 2124795400

ORDER ID : D4250

ATTENTION : Gerald Nicholls

ACCREDITED IN ACCORDANCE WITH nelac

DoD ELAP

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Date : 09/25/2012

Dear Gerald Nicholls,

4 water and **4** soil samples for the **West & Leroy Streets** project were received on **09/18/2012.** The analytical fax results for those samples requested for an expedited turn around time may be seen in this report. Please contact me if you have any questions or concerns regarding this report.

The invoice for this workorder is also attached to the e-mail.

Regards,

Kurt Hummler

908-728-3143

khummler@chemtech.net

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. D4250
QUOTE NO.
COC Number 024579

CLIENT INFORMATION (REPORT TO BE SENT TO:)
COMPANY: LANGAN
ADDRESS: 360 W. 31ST ST.
CITY: NEW YORK STATE: NY ZIP: 10001
ATTENTION: G. NICHOLLS
PHONE: 212-479-5559 FAX:

CLIENT PROJECT INFORMATION
PROJECT NAME: West & LeRoy Streets
PROJECT NO.: 170215701 LOCATION: NEW YORK
PROJECT MANAGER: G. Nicholls
e-mail: gnicholls@langan.com
PHONE: 212-479-5559 FAX: —

CLIENT BILLING INFORMATION
BILL TO: LANGAN PO#: 170215701
ADDRESS: 360 W. 31st Street
CITY: New York STATE: NY ZIP: 10001
ATTENTION: G. Nicholls PHONE: 212-479-5400

DATA TURNAROUND INFORMATION
FAX: STANDARD DAYS *
HARD COPY: STANDARD DAYS *
EDD: STANDARD DAYS *
PREAPPROVED TAT: ☐ YES ☐ NO
* STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☐ LEVEL 1: Results only ☐ Others
☒ LEVEL 2: Results + QC
☐ LEVEL 3: Results (plus results raw data) + QC
☐ LEVEL 4: Results + QC (all raw data)
☒ EDD Format: NYSDEC - unrestricted

ANALYSIS
1 TCL VOCs
2 TCL SVOCs
3 TAL Metals
4 TCL Pest/Herb/PCBs
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	LB-1 (3-5)	S		X	9/17/12	1230	5	X	X	X	X						
2.	LB-1 (7-9)	S		X	9/17/12	1215	5	X	X	X							
3.	LB-2 (3-5)	S		X	9/17/12	1400	5	X	X	X	X						
4.	LB-2 (10-12)	S		X	9/17/12	1415	5	X	X	X							
5.	TMW-1	GW		X	9/17/12	1600	8	X	X	X	X						
6.	TMW-2	GW		X	9/17/12	1530	8	X	X	X	X						
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES — COMMENTS: ← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	9/18/12 1200	1. [signature]
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3. [signature]	DATE/TIME: 1300 9-18-12	RECEIVED FOR LAB BY: 3. [signature]

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant
MeOH extraction requires an additional 4 oz jar for percent solid.
Comments:
Cooler Temp. 5.8
Ice in Cooler?: Yes

Page 1 of 1

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☐ YES ☐ NO

Revision 8/2007

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	6.1 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE005925.D	1	09/20/12	09/25/12	PB65821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	40	U	14.1	40	80	ug/Kg
120-36-5	DICHLORPROP	35.5	U	13.1	35.5	71	ug/Kg
94-75-7	2,4-D	40	U	34.7	40	80	ug/Kg
93-72-1	2,4,5-TP (SILVEX)	35.5	U	11.6	35.5	71	ug/Kg
93-76-5	2,4,5-T	35.5	U	10.9	35.5	71	ug/Kg
94-82-6	2,4-DB	35.5	U	31.4	35.5	71	ug/Kg
88-85-7	DINOSEB	35.5	U	26	35.5	71	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	176		12 - 189		35%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	4900		1	0.63	1.875	3.75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-36-0	Antimony	0.935	U	1	0.42	0.935	1.87	mg/Kg	09/19/12	09/25/12	SW6010B
7440-38-2	Arsenic	2.44		1	0.25	0.375	0.75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-39-3	Barium	47.3		1	0.3	1.875	3.75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-41-7	Beryllium	0.33		1	0.04	0.11	0.22	mg/Kg	09/19/12	09/25/12	SW6010B
7440-43-9	Cadmium	0.11	U	1	0.04	0.11	0.22	mg/Kg	09/19/12	09/25/12	SW6010B
7440-70-2	Calcium	29700		1	0.8	37.5	75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-47-3	Chromium	13.2		1	0.1	0.185	0.37	mg/Kg	09/19/12	09/25/12	SW6010B
7440-48-4	Cobalt	6.67		1	0.43	0.56	1.12	mg/Kg	09/19/12	09/25/12	SW6010B
7440-50-8	Copper	82.7		1	0.24	0.375	0.75	mg/Kg	09/19/12	09/25/12	SW6010B
7439-89-6	Iron	12200		1	1	1.875	3.75	mg/Kg	09/19/12	09/25/12	SW6010B
7439-92-1	Lead	65.9		1	0.09	0.225	0.45	mg/Kg	09/19/12	09/25/12	SW6010B
7439-95-4	Magnesium	18900		1	3.43	37.5	75	mg/Kg	09/19/12	09/25/12	SW6010B
7439-96-5	Manganese	244		1	0.14	0.375	0.75	mg/Kg	09/19/12	09/25/12	SW6010B
7439-97-6	Mercury	0.817	D	10	0.02	0.05	0.1	mg/Kg	09/20/12	09/21/12	SW7471A
7440-02-0	Nickel	20.3		1	0.34	0.75	1.5	mg/Kg	09/19/12	09/25/12	SW6010B
7440-09-7	Potassium	876		1	2.62	37.5	75	mg/Kg	09/19/12	09/25/12	SW6010B
7782-49-2	Selenium	1.45		1	0.31	0.375	0.75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-22-4	Silver	0.57		1	0.11	0.185	0.37	mg/Kg	09/19/12	09/25/12	SW6010B
7440-23-5	Sodium	180		1	1.89	37.5	75	mg/Kg	09/19/12	09/25/12	SW6010B
7440-28-0	Thallium	0.75	U	1	0.2	0.75	1.5	mg/Kg	09/19/12	09/25/12	SW6010B
7440-62-2	Vanadium	15.3		1	0.44	0.75	1.5	mg/Kg	09/19/12	09/25/12	SW6010B
7440-66-6	Zinc	66.3		1	0.52	0.75	1.5	mg/Kg	09/19/12	09/25/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	6 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC010507.D	1	09/19/12	09/24/12	PB65816

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	9	U	3.7	9	18	ug/Kg
11104-28-2	Aroclor-1221	9	U	3.6	9	18	ug/Kg
11141-16-5	Aroclor-1232	9	U	7.9	9	18	ug/Kg
53469-21-9	Aroclor-1242	9	U	3.6	9	18	ug/Kg
12672-29-6	Aroclor-1248	9	U	7	9	18	ug/Kg
11097-69-1	Aroclor-1254	9	U	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260	9	U	4.4	9	18	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.1		10 - 166		81%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.4		60 - 125		82%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	6.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006066.D	1	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.9	U	0.14	0.9	1.8	ug/Kg
319-85-7	beta-BHC	0.9	U	0.19	0.9	1.8	ug/Kg
319-86-8	delta-BHC	0.9	U	0.11	0.9	1.8	ug/Kg
58-89-9	gamma-BHC	0.9	U	0.16	0.9	1.8	ug/Kg
76-44-8	Heptachlor	0.9	U	0.15	0.9	1.8	ug/Kg
309-00-2	Aldrin	0.9	U	0.11	0.9	1.8	ug/Kg
1024-57-3	Heptachlor epoxide	0.9	U	0.17	0.9	1.8	ug/Kg
959-98-8	Endosulfan I	0.9	U	0.16	0.9	1.8	ug/Kg
60-57-1	Dieldrin	0.9	U	0.14	0.9	1.8	ug/Kg
72-55-9	4,4-DDE	0.9	U	0.21	0.9	1.8	ug/Kg
72-20-8	Endrin	0.9	U	0.19	0.9	1.8	ug/Kg
33213-65-9	Endosulfan II	0.9	U	0.15	0.9	1.8	ug/Kg
72-54-8	4,4-DDD	0.9	U	0.18	0.9	1.8	ug/Kg
1031-07-8	Endosulfan Sulfate	0.9	U	0.16	0.9	1.8	ug/Kg
50-29-3	4,4-DDT	0.9	U	0.15	0.9	1.8	ug/Kg
72-43-5	Methoxychlor	67	EP	0.18	0.9	1.8	ug/Kg
53494-70-5	Endrin ketone	0.9	U	0.14	0.9	1.8	ug/Kg
7421-93-4	Endrin aldehyde	0.9	U	0.16	0.9	1.8	ug/Kg
5103-71-9	alpha-Chlordane	0.9	U	0.15	0.9	1.8	ug/Kg
5103-74-2	gamma-Chlordane	0.9	U	0.14	0.9	1.8	ug/Kg
8001-35-2	Toxaphene	9	U	3.6	9	18	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.3		10 - 169		107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		31 - 151		93%	SPK: 20

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	6.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006066.D	1	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-01DL	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	6.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006068.D	5	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	4.5	UD	0.69	4.5	9	ug/Kg
319-85-7	beta-BHC	4.5	UD	0.96	4.5	9	ug/Kg
319-86-8	delta-BHC	4.5	UD	0.53	4.5	9	ug/Kg
58-89-9	gamma-BHC	4.5	UD	0.8	4.5	9	ug/Kg
76-44-8	Heptachlor	4.5	UD	0.74	4.5	9	ug/Kg
309-00-2	Aldrin	4.5	UD	0.53	4.5	9	ug/Kg
1024-57-3	Heptachlor epoxide	4.5	UD	0.85	4.5	9	ug/Kg
959-98-8	Endosulfan I	4.5	UD	0.8	4.5	9	ug/Kg
60-57-1	Dieldrin	4.5	UD	0.69	4.5	9	ug/Kg
72-55-9	4,4-DDE	4.5	UD	1.1	4.5	9	ug/Kg
72-20-8	Endrin	4.5	UD	0.96	4.5	9	ug/Kg
33213-65-9	Endosulfan II	4.5	UD	0.74	4.5	9	ug/Kg
72-54-8	4,4-DDD	4.5	UD	0.9	4.5	9	ug/Kg
1031-07-8	Endosulfan Sulfate	4.5	UD	0.8	4.5	9	ug/Kg
50-29-3	4,4-DDT	4.5	UD	0.74	4.5	9	ug/Kg
72-43-5	Methoxychlor	92	D	0.9	4.5	9	ug/Kg
53494-70-5	Endrin ketone	4.5	UD	0.69	4.5	9	ug/Kg
7421-93-4	Endrin aldehyde	4.5	UD	0.8	4.5	9	ug/Kg
5103-71-9	alpha-Chlordane	4.5	UD	0.74	4.5	9	ug/Kg
5103-74-2	gamma-Chlordane	4.5	UD	0.69	4.5	9	ug/Kg
8001-35-2	Toxaphene	45	UD	18	45	90	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	16.6		10 - 169		83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.1		31 - 151		86%	SPK: 20

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-01DL	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	6.1 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006068.D	5	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079279.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	175	U	18	175	350	ug/Kg
108-95-2	Phenol	175	U	8.2	175	350	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	175	U	17	175	350	ug/Kg
95-57-8	2-Chlorophenol	175	U	19	175	350	ug/Kg
95-48-7	2-Methylphenol	175	U	19	175	350	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	175	U	15	175	350	ug/Kg
98-86-2	Acetophenone	175	U	11	175	350	ug/Kg
65794-96-9	3+4-Methylphenols	175	U	18	175	350	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	175	U	18	175	350	ug/Kg
67-72-1	Hexachloroethane	175	U	16	175	350	ug/Kg
98-95-3	Nitrobenzene	175	U	13	175	350	ug/Kg
78-59-1	Isophorone	175	U	12	175	350	ug/Kg
88-75-5	2-Nitrophenol	175	U	17	175	350	ug/Kg
105-67-9	2,4-Dimethylphenol	175	U	20	175	350	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	175	U	20	175	350	ug/Kg
120-83-2	2,4-Dichlorophenol	175	U	14	175	350	ug/Kg
91-20-3	Naphthalene	150	J	12	175	350	ug/Kg
106-47-8	4-Chloroaniline	175	U	25	175	350	ug/Kg
87-68-3	Hexachlorobutadiene	175	U	13	175	350	ug/Kg
105-60-2	Caprolactam	175	U	16	175	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	175	U	16	175	350	ug/Kg
91-57-6	2-Methylnaphthalene	175	U	8.9	175	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	175	UQ	8.6	175	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	175	U	11	175	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	175	U	25	175	350	ug/Kg
92-52-4	1,1-Biphenyl	175	U	13	175	350	ug/Kg
91-58-7	2-Chloronaphthalene	175	U	8.1	175	350	ug/Kg
88-74-4	2-Nitroaniline	175	U	16	175	350	ug/Kg
131-11-3	Dimethylphthalate	210	J	9.6	175	350	ug/Kg
208-96-8	Acenaphthylene	175	U	8.9	175	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	175	U	14	175	350	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079279.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	175	U	23	175	350	ug/Kg
83-32-9	Acenaphthene	270	J	10	175	350	ug/Kg
51-28-5	2,4-Dinitrophenol	175	U	36	175	350	ug/Kg
100-02-7	4-Nitrophenol	175	U	66	175	350	ug/Kg
132-64-9	Dibenzofuran	150	J	14	175	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	175	U	11	175	350	ug/Kg
84-66-2	Diethylphthalate	175	U	5.5	175	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	175	U	19	175	350	ug/Kg
86-73-7	Fluorene	220	J	13	175	350	ug/Kg
100-01-6	4-Nitroaniline	175	U	46	175	350	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	175	U	20	175	350	ug/Kg
86-30-6	N-Nitrosodiphenylamine	175	U	8.5	175	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	175	U	6.9	175	350	ug/Kg
118-74-1	Hexachlorobenzene	175	U	14	175	350	ug/Kg
1912-24-9	Atrazine	175	U	19	175	350	ug/Kg
87-86-5	Pentachlorophenol	175	U	24	175	350	ug/Kg
85-01-8	Phenanthrene	2700		9.6	175	350	ug/Kg
120-12-7	Anthracene	600		7.2	175	350	ug/Kg
86-74-8	Carbazole	210	J	7.8	175	350	ug/Kg
84-74-2	Di-n-butylphthalate	175	U	28	175	350	ug/Kg
206-44-0	Fluoranthene	3000	E	7.1	175	350	ug/Kg
129-00-0	Pyrene	2800		8.5	175	350	ug/Kg
85-68-7	Butylbenzylphthalate	175	U	17	175	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	175	U	23	175	350	ug/Kg
56-55-3	Benzo(a)anthracene	1400		17	175	350	ug/Kg
218-01-9	Chrysene	1400		16	175	350	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	175	U	13	175	350	ug/Kg
117-84-0	Di-n-octyl phthalate	175	U	4	175	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		12	175	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	530		17	175	350	ug/Kg
50-32-8	Benzo(a)pyrene	1200		7.7	175	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	660		12	175	350	ug/Kg
53-70-3	Dibenz(a,h)anthracene	160	J	10	175	350	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079279.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	670		14	175	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	175	U	14	175	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	175	U	14	175	350	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	19.4	*	28 - 127		13%	SPK: 150
13127-88-3	Phenol-d6	125		34 - 127		83%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.1		31 - 132		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.4		39 - 123		93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	3.94	*	30 - 133		3%	SPK: 150
1718-51-0	Terphenyl-d14	90.6		37 - 115		91%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79924	8.7				
1146-65-2	Naphthalene-d8	316711	10.86				
15067-26-2	Acenaphthene-d10	174213	13.81				
1517-22-2	Phenanthrene-d10	327530	16.27				
1719-03-5	Chrysene-d12	367324	20.71				
1520-96-3	Perylene-d12	334521	24.41				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	2100	AB			5.96	ug/Kg
111-76-2	Ethanol, 2-butoxy-	360	J			6.98	ug/Kg
108349-67-3	Pyrido[2,3-d]indole, 6-methyl-	150	J			15.11	ug/Kg
486-25-9	9H-Fluoren-9-one	160	J			15.94	ug/Kg
593-45-3	Octadecane	190	J			16.01	ug/Kg
132-65-0	Dibenzothiophene	150	J			16.11	ug/Kg
610-48-0	Anthracene, 1-methyl-	490	J			17.1	ug/Kg
2531-84-2	Phenanthrene, 2-methyl-	590	J			17.15	ug/Kg
832-69-9	Phenanthrene, 1-methyl-	230	J			17.22	ug/Kg
203-64-5	4H-Cyclopenta[def]phenanthrene	710	J			17.29	ug/Kg
949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	280	J			17.32	ug/Kg
612-94-2	Naphthalene, 2-phenyl-	280	J			17.58	ug/Kg
84-65-1	9,10-Anthracenedione	270	J			17.62	ug/Kg
3674-66-6	Phenanthrene, 2,5-dimethyl-	330	J			18.01	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079279.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	unknown18.08	200	J			18.08	ug/Kg
5737-13-3	Cyclopenta(def)phenanthrenone	270	J			18.15	ug/Kg
243-17-4	11H-Benzo[b]fluorene	150	J			19.2	ug/Kg
192-97-2	Benzo[e]pyrene	260	J			23.52	ug/Kg
198-55-0	Perylene	1000	J			24.06	ug/Kg
205-82-3	Benzo[j]fluoranthene	250	J			24.49	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-01DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079293.D	2	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	350	UD	37	350	700	ug/Kg
108-95-2	Phenol	350	UD	16	350	700	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	350	UD	34	350	700	ug/Kg
95-57-8	2-Chlorophenol	350	UD	37	350	700	ug/Kg
95-48-7	2-Methylphenol	350	UD	38	350	700	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	350	UD	29	350	700	ug/Kg
98-86-2	Acetophenone	350	UD	22	350	700	ug/Kg
65794-96-9	3+4-Methylphenols	350	UD	37	350	700	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	350	UD	36	350	700	ug/Kg
67-72-1	Hexachloroethane	350	UD	32	350	700	ug/Kg
98-95-3	Nitrobenzene	350	UD	27	350	700	ug/Kg
78-59-1	Isophorone	350	UD	23	350	700	ug/Kg
88-75-5	2-Nitrophenol	350	UD	34	350	700	ug/Kg
105-67-9	2,4-Dimethylphenol	350	UD	40	350	700	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	350	UD	41	350	700	ug/Kg
120-83-2	2,4-Dichlorophenol	350	UD	27	350	700	ug/Kg
91-20-3	Naphthalene	350	UD	24	350	700	ug/Kg
106-47-8	4-Chloroaniline	350	UD	50	350	700	ug/Kg
87-68-3	Hexachlorobutadiene	350	UD	26	350	700	ug/Kg
105-60-2	Caprolactam	350	UD	33	350	700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	350	UD	31	350	700	ug/Kg
91-57-6	2-Methylnaphthalene	350	UD	18	350	700	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	UDQ	17	350	700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	350	UD	22	350	700	ug/Kg
95-95-4	2,4,5-Trichlorophenol	350	UD	50	350	700	ug/Kg
92-52-4	1,1-Biphenyl	350	UD	27	350	700	ug/Kg
91-58-7	2-Chloronaphthalene	350	UD	16	350	700	ug/Kg
88-74-4	2-Nitroaniline	350	UD	31	350	700	ug/Kg
131-11-3	Dimethylphthalate	350	UD	19	350	700	ug/Kg
208-96-8	Acenaphthylene	350	UD	18	350	700	ug/Kg
606-20-2	2,6-Dinitrotoluene	350	UD	29	350	700	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-01DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079293.D	2	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	350	UD	46	350	700	ug/Kg
83-32-9	Acenaphthene	350	UD	20	350	700	ug/Kg
51-28-5	2,4-Dinitrophenol	350	UD	72	350	700	ug/Kg
100-02-7	4-Nitrophenol	350	UD	130	350	700	ug/Kg
132-64-9	Dibenzofuran	350	UD	28	350	700	ug/Kg
121-14-2	2,4-Dinitrotoluene	350	UD	21	350	700	ug/Kg
84-66-2	Diethylphthalate	350	UD	11	350	700	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	350	UD	38	350	700	ug/Kg
86-73-7	Fluorene	350	UD	27	350	700	ug/Kg
100-01-6	4-Nitroaniline	350	UD	92	350	700	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	350	UD	41	350	700	ug/Kg
86-30-6	N-Nitrosodiphenylamine	350	UD	17	350	700	ug/Kg
101-55-3	4-Bromophenyl-phenylether	350	UD	14	350	700	ug/Kg
118-74-1	Hexachlorobenzene	350	UD	29	350	700	ug/Kg
1912-24-9	Atrazine	350	UD	37	350	700	ug/Kg
87-86-5	Pentachlorophenol	350	UD	48	350	700	ug/Kg
85-01-8	Phenanthrene	2800	D	19	350	700	ug/Kg
120-12-7	Anthracene	580	JD	14	350	700	ug/Kg
86-74-8	Carbazole	350	UD	16	350	700	ug/Kg
84-74-2	Di-n-butylphthalate	350	UD	56	350	700	ug/Kg
206-44-0	Fluoranthene	3200	D	14	350	700	ug/Kg
129-00-0	Pyrene	2900	D	17	350	700	ug/Kg
85-68-7	Butylbenzylphthalate	350	UD	34	350	700	ug/Kg
91-94-1	3,3-Dichlorobenzidine	350	UD	46	350	700	ug/Kg
56-55-3	Benzo(a)anthracene	1400	D	34	350	700	ug/Kg
218-01-9	Chrysene	1300	D	32	350	700	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	350	UD	25	350	700	ug/Kg
117-84-0	Di-n-octyl phthalate	350	UD	8.1	350	700	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400	D	23	350	700	ug/Kg
207-08-9	Benzo(k)fluoranthene	440	JD	33	350	700	ug/Kg
50-32-8	Benzo(a)pyrene	1200	D	15	350	700	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	640	JD	24	350	700	ug/Kg
53-70-3	Dibenz(a,h)anthracene	350	UD	20	350	700	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-01DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079293.D	2	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	660	JD	29	350	700	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	350	UD	28	350	700	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	350	UD	28	350	700	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	18.5	*	28 - 127		12%	SPK: 150
13127-88-3	Phenol-d6	124		34 - 127		83%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.4		31 - 132		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.6		39 - 123		94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	4.14	*	30 - 133		3%	SPK: 150
1718-51-0	Terphenyl-d14	93		37 - 115		93%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70847	8.69				
1146-65-2	Naphthalene-d8	288057	10.85				
15067-26-2	Acenaphthene-d10	167139	13.81				
1517-22-2	Phenanthrene-d10	333315	16.27				
1719-03-5	Chrysene-d12	378827	20.71				
1520-96-3	Perylene-d12	341097	24.41				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	6
Sample Wt/Vol:	3.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035331.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	3.4	U	0.88	3.4	6.8	ug/Kg
74-87-3	Chloromethane	3.4	U	1.2	3.4	6.8	ug/Kg
75-01-4	Vinyl Chloride	3.4	U	1.7	3.4	6.8	ug/Kg
74-83-9	Bromomethane	3.4	U	3.3	3.4	6.8	ug/Kg
75-00-3	Chloroethane	3.4	U	1.9	3.4	6.8	ug/Kg
75-69-4	Trichlorofluoromethane	3.4	U	1.8	3.4	6.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	3.4	U	1.8	3.4	6.8	ug/Kg
75-35-4	1,1-Dichloroethene	3.4	U	2	3.4	6.8	ug/Kg
67-64-1	Acetone	17	U	4.1	17	34	ug/Kg
75-15-0	Carbon Disulfide	3.4	U	1.4	3.4	6.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	3.4	U	1.3	3.4	6.8	ug/Kg
79-20-9	Methyl Acetate	3.4	U	2	3.4	6.8	ug/Kg
75-09-2	Methylene Chloride	3.4	U	1.9	3.4	6.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3.4	U	0.93	3.4	6.8	ug/Kg
75-34-3	1,1-Dichloroethane	3.4	U	1.3	3.4	6.8	ug/Kg
110-82-7	Cyclohexane	3.4	U	1.4	3.4	6.8	ug/Kg
78-93-3	2-Butanone	17	U	4.2	17	34	ug/Kg
56-23-5	Carbon Tetrachloride	3.4	UQ	1.3	3.4	6.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	3.4	U	1.2	3.4	6.8	ug/Kg
74-97-5	Bromochloromethane	3.4	U	1.1	3.4	6.8	ug/Kg
67-66-3	Chloroform	3.4	U	1	3.4	6.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	3.4	U	1.2	3.4	6.8	ug/Kg
108-87-2	Methylcyclohexane	3.4	U	1.4	3.4	6.8	ug/Kg
71-43-2	Benzene	3.4	U	0.51	3.4	6.8	ug/Kg
107-06-2	1,2-Dichloroethane	3.4	U	0.87	3.4	6.8	ug/Kg
79-01-6	Trichloroethene	3.4	U	1.2	3.4	6.8	ug/Kg
78-87-5	1,2-Dichloropropane	3.4	U	0.35	3.4	6.8	ug/Kg
75-27-4	Bromodichloromethane	3.4	U	0.84	3.4	6.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	17	U	4	17	34	ug/Kg
108-88-3	Toluene	3.4	U	0.87	3.4	6.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	3.4	U	1.1	3.4	6.8	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	6
Sample Wt/Vol:	3.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035331.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	3.4	U	0.97	3.4	6.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	3.4	U	1.2	3.4	6.8	ug/Kg
591-78-6	2-Hexanone	17	U	5.3	17	34	ug/Kg
124-48-1	Dibromochloromethane	3.4	U	0.73	3.4	6.8	ug/Kg
106-93-4	1,2-Dibromoethane	3.4	U	0.87	3.4	6.8	ug/Kg
127-18-4	Tetrachloroethene	6	J	1.4	3.4	6.8	ug/Kg
108-90-7	Chlorobenzene	3.4	U	0.68	3.4	6.8	ug/Kg
100-41-4	Ethyl Benzene	3.4	U	0.84	3.4	6.8	ug/Kg
179601-23-1	m/p-Xylenes	7	U	0.97	7	14	ug/Kg
95-47-6	o-Xylene	3.4	U	0.92	3.4	6.8	ug/Kg
100-42-5	Styrene	3.4	U	0.61	3.4	6.8	ug/Kg
75-25-2	Bromoform	3.4	U	1	3.4	6.8	ug/Kg
98-82-8	Isopropylbenzene	3.4	U	0.65	3.4	6.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.4	U	0.62	3.4	6.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.4	U	0.5	3.4	6.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.4	U	0.55	3.4	6.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.4	U	0.84	3.4	6.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	1.2	3.4	6.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.4	U	0.95	3.4	6.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.4	U	0.68	3.4	6.8	ug/Kg
123-91-1	1,4-Dioxane	70	U	68	70	140	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.8		56 - 120		104%	SPK: 50
1868-53-7	Dibromofluoromethane	57.4		57 - 135		115%	SPK: 50
2037-26-5	Toluene-d8	49.6		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		33 - 141		79%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	81052	4.4				
540-36-3	1,4-Difluorobenzene	100846	5.15				
3114-55-4	Chlorobenzene-d5	94004	9.35				
3855-82-1	1,4-Dichlorobenzene-d4	40851	12.25				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-01	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	6
Sample Wt/Vol:	3.93 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035331.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	9660		1	0.66	1.95	3.9	mg/Kg	09/19/12	09/25/12	SW6010B
7440-36-0	Antimony	0.975	U	1	0.44	0.975	1.95	mg/Kg	09/19/12	09/25/12	SW6010B
7440-38-2	Arsenic	4.23		1	0.26	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-39-3	Barium	37.5		1	0.31	1.95	3.9	mg/Kg	09/19/12	09/25/12	SW6010B
7440-41-7	Beryllium	0.34		1	0.05	0.115	0.23	mg/Kg	09/19/12	09/25/12	SW6010B
7440-43-9	Cadmium	0.115	U	1	0.05	0.115	0.23	mg/Kg	09/19/12	09/25/12	SW6010B
7440-70-2	Calcium	698		1	0.84	39	78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-47-3	Chromium	15.3		1	0.1	0.195	0.39	mg/Kg	09/19/12	09/25/12	SW6010B
7440-48-4	Cobalt	8.3		1	0.44	0.585	1.17	mg/Kg	09/19/12	09/25/12	SW6010B
7440-50-8	Copper	17.1		1	0.25	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7439-89-6	Iron	21300		1	1.04	1.95	3.9	mg/Kg	09/19/12	09/25/12	SW6010B
7439-92-1	Lead	7.92		1	0.09	0.235	0.47	mg/Kg	09/19/12	09/25/12	SW6010B
7439-95-4	Magnesium	3260		1	3.57	39	78	mg/Kg	09/19/12	09/25/12	SW6010B
7439-96-5	Manganese	263		1	0.15	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7439-97-6	Mercury	0.05		1	0.002	0.006	0.011	mg/Kg	09/20/12	09/21/12	SW7471A
7440-02-0	Nickel	19.4		1	0.36	0.78	1.56	mg/Kg	09/19/12	09/25/12	SW6010B
7440-09-7	Potassium	787		1	2.73	39	78	mg/Kg	09/19/12	09/25/12	SW6010B
7782-49-2	Selenium	2.21		1	0.32	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-22-4	Silver	0.83		1	0.12	0.195	0.39	mg/Kg	09/19/12	09/25/12	SW6010B
7440-23-5	Sodium	131		1	1.97	39	78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-28-0	Thallium	1.04	J	1	0.21	0.78	1.56	mg/Kg	09/19/12	09/25/12	SW6010B
7440-62-2	Vanadium	19.1		1	0.46	0.78	1.56	mg/Kg	09/19/12	09/25/12	SW6010B
7440-66-6	Zinc	48.9		1	0.55	0.78	1.56	mg/Kg	09/19/12	09/25/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	10
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079280.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	185	U	19	185	370	ug/Kg
108-95-2	Phenol	185	U	8.5	185	370	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	185	U	18	185	370	ug/Kg
95-57-8	2-Chlorophenol	185	U	20	185	370	ug/Kg
95-48-7	2-Methylphenol	185	U	20	185	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	185	U	15	185	370	ug/Kg
98-86-2	Acetophenone	185	U	11	185	370	ug/Kg
65794-96-9	3+4-Methylphenols	185	U	19	185	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	185	U	19	185	370	ug/Kg
67-72-1	Hexachloroethane	185	U	17	185	370	ug/Kg
98-95-3	Nitrobenzene	185	U	14	185	370	ug/Kg
78-59-1	Isophorone	185	U	12	185	370	ug/Kg
88-75-5	2-Nitrophenol	185	U	18	185	370	ug/Kg
105-67-9	2,4-Dimethylphenol	185	U	21	185	370	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	185	U	21	185	370	ug/Kg
120-83-2	2,4-Dichlorophenol	185	U	14	185	370	ug/Kg
91-20-3	Naphthalene	185	U	13	185	370	ug/Kg
106-47-8	4-Chloroaniline	185	U	26	185	370	ug/Kg
87-68-3	Hexachlorobutadiene	185	U	13	185	370	ug/Kg
105-60-2	Caprolactam	185	U	17	185	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	185	U	16	185	370	ug/Kg
91-57-6	2-Methylnaphthalene	185	U	9.3	185	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	185	UQ	9	185	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	185	U	11	185	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	185	U	26	185	370	ug/Kg
92-52-4	1,1-Biphenyl	185	U	14	185	370	ug/Kg
91-58-7	2-Chloronaphthalene	185	U	8.4	185	370	ug/Kg
88-74-4	2-Nitroaniline	185	U	16	185	370	ug/Kg
131-11-3	Dimethylphthalate	220	J	10	185	370	ug/Kg
208-96-8	Acenaphthylene	185	U	9.3	185	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	185	U	15	185	370	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	10
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079280.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	185	U	24	185	370	ug/Kg
83-32-9	Acenaphthene	185	U	10	185	370	ug/Kg
51-28-5	2,4-Dinitrophenol	185	U	38	185	370	ug/Kg
100-02-7	4-Nitrophenol	185	U	69	185	370	ug/Kg
132-64-9	Dibenzofuran	185	U	14	185	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	185	U	11	185	370	ug/Kg
84-66-2	Diethylphthalate	185	U	5.8	185	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	185	U	20	185	370	ug/Kg
86-73-7	Fluorene	185	U	14	185	370	ug/Kg
100-01-6	4-Nitroaniline	185	U	48	185	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	185	U	21	185	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	185	U	8.9	185	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	185	U	7.2	185	370	ug/Kg
118-74-1	Hexachlorobenzene	185	U	15	185	370	ug/Kg
1912-24-9	Atrazine	185	U	20	185	370	ug/Kg
87-86-5	Pentachlorophenol	185	U	25	185	370	ug/Kg
85-01-8	Phenanthrene	185	U	10	185	370	ug/Kg
120-12-7	Anthracene	185	U	7.5	185	370	ug/Kg
86-74-8	Carbazole	185	U	8.1	185	370	ug/Kg
84-74-2	Di-n-butylphthalate	185	U	29	185	370	ug/Kg
206-44-0	Fluoranthene	185	U	7.4	185	370	ug/Kg
129-00-0	Pyrene	185	U	8.9	185	370	ug/Kg
85-68-7	Butylbenzylphthalate	185	U	18	185	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	185	U	24	185	370	ug/Kg
56-55-3	Benzo(a)anthracene	185	U	18	185	370	ug/Kg
218-01-9	Chrysene	185	U	17	185	370	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	185	U	13	185	370	ug/Kg
117-84-0	Di-n-octyl phthalate	185	U	4.2	185	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	185	U	12	185	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	185	U	17	185	370	ug/Kg
50-32-8	Benzo(a)pyrene	185	U	8	185	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	185	U	12	185	370	ug/Kg
53-70-3	Dibenz(a,h)anthracene	185	U	11	185	370	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	10
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079280.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	185	U	15	185	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	185	U	15	185	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	185	U	15	185	370	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	127		28 - 127		85%	SPK: 150
13127-88-3	Phenol-d6	134		34 - 127		90%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.4		31 - 132		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.7		39 - 123		86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		30 - 133		89%	SPK: 150
1718-51-0	Terphenyl-d14	85.7		37 - 115		86%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70212	8.7				
1146-65-2	Naphthalene-d8	278489	10.86				
15067-26-2	Acenaphthene-d10	159108	13.81				
1517-22-2	Phenanthrene-d10	305890	16.28				
1719-03-5	Chrysene-d12	328331	20.71				
1520-96-3	Perylene-d12	301903	24.4				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1400	AB			5.96	ug/Kg
593-45-3	Octadecane	120	J			16.01	ug/Kg
18835-32-0	1-Tricosene	210	J			20.32	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	10
Sample Wt/Vol:	2.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035332.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	4.8	U	1.2	4.8	9.6	ug/Kg
74-87-3	Chloromethane	4.8	U	1.7	4.8	9.6	ug/Kg
75-01-4	Vinyl Chloride	4.8	U	2.4	4.8	9.6	ug/Kg
74-83-9	Bromomethane	4.8	U	4.7	4.8	9.6	ug/Kg
75-00-3	Chloroethane	4.8	U	2.7	4.8	9.6	ug/Kg
75-69-4	Trichlorofluoromethane	4.8	U	2.5	4.8	9.6	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.8	U	2.6	4.8	9.6	ug/Kg
75-35-4	1,1-Dichloroethene	4.8	U	2.8	4.8	9.6	ug/Kg
67-64-1	Acetone	24	U	5.8	24	48	ug/Kg
75-15-0	Carbon Disulfide	4.8	U	2	4.8	9.6	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.8	U	1.8	4.8	9.6	ug/Kg
79-20-9	Methyl Acetate	4.8	U	2.9	4.8	9.6	ug/Kg
75-09-2	Methylene Chloride	4.8	U	2.7	4.8	9.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.8	U	1.3	4.8	9.6	ug/Kg
75-34-3	1,1-Dichloroethane	4.8	U	1.8	4.8	9.6	ug/Kg
110-82-7	Cyclohexane	4.8	U	1.9	4.8	9.6	ug/Kg
78-93-3	2-Butanone	24	U	6	24	48	ug/Kg
56-23-5	Carbon Tetrachloride	4.8	UQ	1.9	4.8	9.6	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.8	U	1.7	4.8	9.6	ug/Kg
74-97-5	Bromochloromethane	4.8	U	1.5	4.8	9.6	ug/Kg
67-66-3	Chloroform	4.8	U	1.4	4.8	9.6	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.8	U	1.7	4.8	9.6	ug/Kg
108-87-2	Methylcyclohexane	4.8	U	2	4.8	9.6	ug/Kg
71-43-2	Benzene	4.8	U	0.73	4.8	9.6	ug/Kg
107-06-2	1,2-Dichloroethane	4.8	U	1.2	4.8	9.6	ug/Kg
79-01-6	Trichloroethene	4.8	U	1.7	4.8	9.6	ug/Kg
78-87-5	1,2-Dichloropropane	4.8	U	0.5	4.8	9.6	ug/Kg
75-27-4	Bromodichloromethane	4.8	U	1.2	4.8	9.6	ug/Kg
108-10-1	4-Methyl-2-Pentanone	24	U	5.6	24	48	ug/Kg
108-88-3	Toluene	4.8	U	1.2	4.8	9.6	ug/Kg
10061-02-6	t-1,3-Dichloropropene	4.8	U	1.5	4.8	9.6	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	10
Sample Wt/Vol:	2.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035332.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	4.8	U	1.4	4.8	9.6	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.8	U	1.7	4.8	9.6	ug/Kg
591-78-6	2-Hexanone	24	U	7.5	24	48	ug/Kg
124-48-1	Dibromochloromethane	4.8	U	1	4.8	9.6	ug/Kg
106-93-4	1,2-Dibromoethane	4.8	U	1.2	4.8	9.6	ug/Kg
127-18-4	Tetrachloroethene	4.8	U	1.9	4.8	9.6	ug/Kg
108-90-7	Chlorobenzene	4.8	U	0.96	4.8	9.6	ug/Kg
100-41-4	Ethyl Benzene	4.8	U	1.2	4.8	9.6	ug/Kg
179601-23-1	m/p-Xylenes	9.5	U	1.4	9.5	19	ug/Kg
95-47-6	o-Xylene	4.8	U	1.3	4.8	9.6	ug/Kg
100-42-5	Styrene	4.8	U	0.87	4.8	9.6	ug/Kg
75-25-2	Bromoform	4.8	U	1.4	4.8	9.6	ug/Kg
98-82-8	Isopropylbenzene	4.8	U	0.92	4.8	9.6	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.8	U	0.88	4.8	9.6	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.8	U	0.71	4.8	9.6	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.8	U	0.79	4.8	9.6	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.8	U	1.2	4.8	9.6	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.8	U	1.7	4.8	9.6	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.8	U	1.3	4.8	9.6	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.8	U	0.96	4.8	9.6	ug/Kg
123-91-1	1,4-Dioxane	95	U	95	95	190	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.2		56 - 120		96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		57 - 135		100%	SPK: 50
2037-26-5	Toluene-d8	45.2		67 - 123		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		33 - 141		89%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	88575	4.4				
540-36-3	1,4-Difluorobenzene	116998	5.14				
3114-55-4	Chlorobenzene-d5	112990	9.35				
3855-82-1	1,4-Dichlorobenzene-d4	61308	12.25				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-1(7-9)	SDG No.:	D4250
Lab Sample ID:	D4250-02	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	10
Sample Wt/Vol:	2.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035332.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8151A	% Moisture:	7.9 Decanted:
Sample Wt/Vol:	30.11 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE005928.D	1	09/20/12	09/25/12	PB65821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	40.5	U	14.4	40.5	81	ug/Kg
120-36-5	DICHLORPROP	36	U	13.4	36	72	ug/Kg
94-75-7	2,4-D	40.5	U	35.4	40.5	81	ug/Kg
93-72-1	2,4,5-TP (SILVEX)	36	U	11.8	36	72	ug/Kg
93-76-5	2,4,5-T	36	U	11.1	36	72	ug/Kg
94-82-6	2,4-DB	36	U	32	36	72	ug/Kg
88-85-7	DINOSEB	36	U	26.5	36	72	ug/Kg
SURROGATES							
19719-28-9	2,4-DCAA	378		12 - 189		76%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	3880		1	0.64	1.91	3.82	mg/Kg	09/19/12	09/25/12	SW6010B
7440-36-0	Antimony	0.955	U	1	0.43	0.955	1.91	mg/Kg	09/19/12	09/25/12	SW6010B
7440-38-2	Arsenic	1.03		1	0.25	0.38	0.76	mg/Kg	09/19/12	09/25/12	SW6010B
7440-39-3	Barium	52		1	0.31	1.91	3.82	mg/Kg	09/19/12	09/25/12	SW6010B
7440-41-7	Beryllium	0.22	J	1	0.05	0.115	0.23	mg/Kg	09/19/12	09/25/12	SW6010B
7440-43-9	Cadmium	0.115	U	1	0.05	0.115	0.23	mg/Kg	09/19/12	09/25/12	SW6010B
7440-70-2	Calcium	2060		1	0.82	38.25	76.5	mg/Kg	09/19/12	09/25/12	SW6010B
7440-47-3	Chromium	11.8		1	0.1	0.19	0.38	mg/Kg	09/19/12	09/25/12	SW6010B
7440-48-4	Cobalt	4.8		1	0.44	0.575	1.15	mg/Kg	09/19/12	09/25/12	SW6010B
7440-50-8	Copper	13.3		1	0.24	0.38	0.76	mg/Kg	09/19/12	09/25/12	SW6010B
7439-89-6	Iron	10700		1	1.02	1.91	3.82	mg/Kg	09/19/12	09/25/12	SW6010B
7439-92-1	Lead	8.17		1	0.09	0.23	0.46	mg/Kg	09/19/12	09/25/12	SW6010B
7439-95-4	Magnesium	3060		1	3.5	38.25	76.5	mg/Kg	09/19/12	09/25/12	SW6010B
7439-96-5	Manganese	257		1	0.15	0.38	0.76	mg/Kg	09/19/12	09/25/12	SW6010B
7439-97-6	Mercury	0.872	D	10	0.02	0.051	0.102	mg/Kg	09/20/12	09/21/12	SW7471A
7440-02-0	Nickel	19.2		1	0.35	0.765	1.53	mg/Kg	09/19/12	09/25/12	SW6010B
7440-09-7	Potassium	1090		1	2.68	38.25	76.5	mg/Kg	09/19/12	09/25/12	SW6010B
7782-49-2	Selenium	0.98		1	0.31	0.38	0.76	mg/Kg	09/19/12	09/25/12	SW6010B
7440-22-4	Silver	0.34	J	1	0.11	0.19	0.38	mg/Kg	09/19/12	09/25/12	SW6010B
7440-23-5	Sodium	112		1	1.93	38.25	76.5	mg/Kg	09/19/12	09/25/12	SW6010B
7440-28-0	Thallium	0.765	U	1	0.21	0.765	1.53	mg/Kg	09/19/12	09/25/12	SW6010B
7440-62-2	Vanadium	11.8		1	0.45	0.765	1.53	mg/Kg	09/19/12	09/25/12	SW6010B
7440-66-6	Zinc	21.6		1	0.54	0.765	1.53	mg/Kg	09/19/12	09/25/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	8 Decanted:
Sample Wt/Vol:	30 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC010508.D	1	09/19/12	09/24/12	PB65816

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	9	U	3.8	9	18	ug/Kg
11104-28-2	Aroclor-1221	9	U	3.7	9	18	ug/Kg
11141-16-5	Aroclor-1232	9	U	8.1	9	18	ug/Kg
53469-21-9	Aroclor-1242	9	U	3.7	9	18	ug/Kg
12672-29-6	Aroclor-1248	9	U	7.2	9	18	ug/Kg
11097-69-1	Aroclor-1254	9	U	1.6	9	18	ug/Kg
11096-82-5	Aroclor-1260	9	U	4.5	9	18	ug/Kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	15.4		10 - 166		77%	SPK: 20
2051-24-3	Decachlorobiphenyl	18		60 - 125		90%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	7.9 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006067.D	1	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.9	U	0.14	0.9	1.8	ug/Kg
319-85-7	beta-BHC	0.9	U	0.19	0.9	1.8	ug/Kg
319-86-8	delta-BHC	0.9	U	0.11	0.9	1.8	ug/Kg
58-89-9	gamma-BHC	0.9	U	0.16	0.9	1.8	ug/Kg
76-44-8	Heptachlor	0.9	U	0.15	0.9	1.8	ug/Kg
309-00-2	Aldrin	0.9	U	0.11	0.9	1.8	ug/Kg
1024-57-3	Heptachlor epoxide	0.9	U	0.17	0.9	1.8	ug/Kg
959-98-8	Endosulfan I	0.9	U	0.16	0.9	1.8	ug/Kg
60-57-1	Dieldrin	0.9	U	0.14	0.9	1.8	ug/Kg
72-55-9	4,4-DDE	0.9	U	0.22	0.9	1.8	ug/Kg
72-20-8	Endrin	0.9	U	0.19	0.9	1.8	ug/Kg
33213-65-9	Endosulfan II	0.9	U	0.15	0.9	1.8	ug/Kg
72-54-8	4,4-DDD	0.9	U	0.18	0.9	1.8	ug/Kg
1031-07-8	Endosulfan Sulfate	0.9	U	0.16	0.9	1.8	ug/Kg
50-29-3	4,4-DDT	0.9	U	0.15	0.9	1.8	ug/Kg
72-43-5	Methoxychlor	71	EP	0.18	0.9	1.8	ug/Kg
53494-70-5	Endrin ketone	0.9	U	0.14	0.9	1.8	ug/Kg
7421-93-4	Endrin aldehyde	0.9	U	0.16	0.9	1.8	ug/Kg
5103-71-9	alpha-Chlordane	0.9	U	0.15	0.9	1.8	ug/Kg
5103-74-2	gamma-Chlordane	0.9	U	0.14	0.9	1.8	ug/Kg
8001-35-2	Toxaphene	9	U	3.7	9	18	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.9		10 - 169		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		31 - 151		90%	SPK: 20

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	7.9 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006067.D	1	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-03DL	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	7.9 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006069.D	5	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	4.6	UD	0.7	4.6	9.2	ug/Kg
319-85-7	beta-BHC	4.6	UD	0.97	4.6	9.2	ug/Kg
319-86-8	delta-BHC	4.6	UD	0.54	4.6	9.2	ug/Kg
58-89-9	gamma-BHC	4.6	UD	0.81	4.6	9.2	ug/Kg
76-44-8	Heptachlor	4.6	UD	0.76	4.6	9.2	ug/Kg
309-00-2	Aldrin	4.6	UD	0.54	4.6	9.2	ug/Kg
1024-57-3	Heptachlor epoxide	4.6	UD	0.87	4.6	9.2	ug/Kg
959-98-8	Endosulfan I	4.6	UD	0.81	4.6	9.2	ug/Kg
60-57-1	Dieldrin	4.6	UD	0.7	4.6	9.2	ug/Kg
72-55-9	4,4-DDE	4.6	UD	1.1	4.6	9.2	ug/Kg
72-20-8	Endrin	4.6	UD	0.97	4.6	9.2	ug/Kg
33213-65-9	Endosulfan II	4.6	UD	0.76	4.6	9.2	ug/Kg
72-54-8	4,4-DDD	4.6	UD	0.92	4.6	9.2	ug/Kg
1031-07-8	Endosulfan Sulfate	4.6	UD	0.81	4.6	9.2	ug/Kg
50-29-3	4,4-DDT	4.6	UD	0.76	4.6	9.2	ug/Kg
72-43-5	Methoxychlor	110	DP	0.92	4.6	9.2	ug/Kg
53494-70-5	Endrin ketone	4.6	UD	0.7	4.6	9.2	ug/Kg
7421-93-4	Endrin aldehyde	4.6	UD	0.81	4.6	9.2	ug/Kg
5103-71-9	alpha-Chlordane	4.6	UD	0.76	4.6	9.2	ug/Kg
5103-74-2	gamma-Chlordane	4.6	UD	0.7	4.6	9.2	ug/Kg
8001-35-2	Toxaphene	46	UD	18	46	92	ug/Kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	14.8		10 - 169		74%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		31 - 151		87%	SPK: 20

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-03DL	Matrix:	SOIL
Analytical Method:	SW8081B	% Moisture:	7.9 Decanted:
Sample Wt/Vol:	30.1 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : N/A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006069.D	5	09/19/12	09/18/12	PB65817

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079281.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	180	U	19	180	360	ug/Kg
108-95-2	Phenol	180	U	8.3	180	360	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	17	180	360	ug/Kg
95-57-8	2-Chlorophenol	180	U	19	180	360	ug/Kg
95-48-7	2-Methylphenol	180	U	20	180	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	15	180	360	ug/Kg
98-86-2	Acetophenone	180	U	11	180	360	ug/Kg
65794-96-9	3+4-Methylphenols	180	U	19	180	360	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	180	U	18	180	360	ug/Kg
67-72-1	Hexachloroethane	180	U	16	180	360	ug/Kg
98-95-3	Nitrobenzene	180	U	14	180	360	ug/Kg
78-59-1	Isophorone	180	U	12	180	360	ug/Kg
88-75-5	2-Nitrophenol	180	U	17	180	360	ug/Kg
105-67-9	2,4-Dimethylphenol	180	U	20	180	360	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	21	180	360	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	14	180	360	ug/Kg
91-20-3	Naphthalene	900		12	180	360	ug/Kg
106-47-8	4-Chloroaniline	180	U	25	180	360	ug/Kg
87-68-3	Hexachlorobutadiene	180	U	13	180	360	ug/Kg
105-60-2	Caprolactam	180	U	17	180	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	180	U	16	180	360	ug/Kg
91-57-6	2-Methylnaphthalene	360		9.1	180	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	UQ	8.8	180	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	11	180	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	25	180	360	ug/Kg
92-52-4	1,1-Biphenyl	180	U	14	180	360	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	8.2	180	360	ug/Kg
88-74-4	2-Nitroaniline	180	U	16	180	360	ug/Kg
131-11-3	Dimethylphthalate	280	J	9.7	180	360	ug/Kg
208-96-8	Acenaphthylene	170	J	9.1	180	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	15	180	360	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079281.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	180	U	23	180	360	ug/Kg
83-32-9	Acenaphthene	760		10	180	360	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	37	180	360	ug/Kg
100-02-7	4-Nitrophenol	180	U	67	180	360	ug/Kg
132-64-9	Dibenzofuran	660		14	180	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	11	180	360	ug/Kg
84-66-2	Diethylphthalate	180	U	5.6	180	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	20	180	360	ug/Kg
86-73-7	Fluorene	630		14	180	360	ug/Kg
100-01-6	4-Nitroaniline	180	U	47	180	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	21	180	360	ug/Kg
86-30-6	N-Nitrosodiphenylamine	180	U	8.7	180	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	7	180	360	ug/Kg
118-74-1	Hexachlorobenzene	180	U	15	180	360	ug/Kg
1912-24-9	Atrazine	180	U	19	180	360	ug/Kg
87-86-5	Pentachlorophenol	180	U	25	180	360	ug/Kg
85-01-8	Phenanthrene	7000	E	9.7	180	360	ug/Kg
120-12-7	Anthracene	1600		7.4	180	360	ug/Kg
86-74-8	Carbazole	680		7.9	180	360	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	28	180	360	ug/Kg
206-44-0	Fluoranthene	7000	E	7.3	180	360	ug/Kg
129-00-0	Pyrene	6100	E	8.7	180	360	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	17	180	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	23	180	360	ug/Kg
56-55-3	Benzo(a)anthracene	2900	E	17	180	360	ug/Kg
218-01-9	Chrysene	2800		16	180	360	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	180	U	13	180	360	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	4.1	180	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	3000	E	12	180	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		17	180	360	ug/Kg
50-32-8	Benzo(a)pyrene	2700		7.8	180	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		12	180	360	ug/Kg
53-70-3	Dibenz(a,h)anthracene	360	J	10	180	360	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079281.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1500		15	180	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	14	180	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	14	180	360	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	119		28 - 127		79%	SPK: 150
13127-88-3	Phenol-d6	123		34 - 127		83%	SPK: 150
4165-60-0	Nitrobenzene-d5	80.2		31 - 132		80%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		39 - 123		86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		30 - 133		78%	SPK: 150
1718-51-0	Terphenyl-d14	82.5		37 - 115		82%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79613	8.7				
1146-65-2	Naphthalene-d8	309868	10.86				
15067-26-2	Acenaphthene-d10	171102	13.81				
1517-22-2	Phenanthrene-d10	323920	16.27				
1719-03-5	Chrysene-d12	373484	20.71				
1520-96-3	Perylene-d12	344885	24.41				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1400	AB			5.96	ug/Kg
90-12-0	Naphthalene, 1-methyl-	320	J			12.23	ug/Kg
581-40-8	Naphthalene, 2,3-dimethyl-	270	J			13.24	ug/Kg
14562-09-5	2,4,6-Cycloheptatrien-1-one, 2-phe	290	J			14.98	ug/Kg
17861-18-6	Phenol, 3-(2-phenylethenyl)-, (E)-	270	J			15.83	ug/Kg
486-25-9	9H-Fluoren-9-one	510	J			15.95	ug/Kg
	unknown16.02	350	J			16.02	ug/Kg
132-65-0	Dibenzothiophene	460	J			16.1	ug/Kg
2531-84-2	Phenanthrene, 2-methyl-	900	J			17.1	ug/Kg
613-12-7	Anthracene, 2-methyl-	1200	J			17.15	ug/Kg
832-69-9	Phenanthrene, 1-methyl-	520	J			17.23	ug/Kg
203-64-5	4H-Cyclopenta[def]phenanthrene	1400	J			17.3	ug/Kg
832-64-4	Phenanthrene, 4-methyl-	500	J			17.33	ug/Kg
137235-51-9	1,2,4,8-Tetramethylbicyclo[6.3.0]u	640	J			17.58	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079281.D	1	09/19/12	09/19/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
84-65-1	9,10-Anthracenedione	570	J			17.62	ug/Kg
3674-66-6	Phenanthrene, 2,5-dimethyl-	580	J			18.01	ug/Kg
5737-13-3	Cyclopenta(def)phenanthrenone	580	J			18.15	ug/Kg
192-97-2	Benzo[e]pyrene	1900	J			24.07	ug/Kg
198-55-0	Perylene	520	J			24.5	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-03DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079294.D	5	09/19/12	09/21/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	900	UD	94	900	1800	ug/Kg
108-95-2	Phenol	900	UD	42	900	1800	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	900	UD	87	900	1800	ug/Kg
95-57-8	2-Chlorophenol	900	UD	95	900	1800	ug/Kg
95-48-7	2-Methylphenol	900	UD	98	900	1800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	900	UD	75	900	1800	ug/Kg
98-86-2	Acetophenone	900	UD	55	900	1800	ug/Kg
65794-96-9	3+4-Methylphenols	900	UD	94	900	1800	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	900	UD	91	900	1800	ug/Kg
67-72-1	Hexachloroethane	900	UD	81	900	1800	ug/Kg
98-95-3	Nitrobenzene	900	UD	68	900	1800	ug/Kg
78-59-1	Isophorone	900	UD	60	900	1800	ug/Kg
88-75-5	2-Nitrophenol	900	UD	87	900	1800	ug/Kg
105-67-9	2,4-Dimethylphenol	900	UD	100	900	1800	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900	UD	100	900	1800	ug/Kg
120-83-2	2,4-Dichlorophenol	900	UD	69	900	1800	ug/Kg
91-20-3	Naphthalene	970	JD	62	900	1800	ug/Kg
106-47-8	4-Chloroaniline	900	UD	130	900	1800	ug/Kg
87-68-3	Hexachlorobutadiene	900	UD	65	900	1800	ug/Kg
105-60-2	Caprolactam	900	UD	84	900	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	900	UD	80	900	1800	ug/Kg
91-57-6	2-Methylnaphthalene	900	UD	45	900	1800	ug/Kg
77-47-4	Hexachlorocyclopentadiene	900	UDQ	44	900	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	900	UD	55	900	1800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	900	UD	130	900	1800	ug/Kg
92-52-4	1,1-Biphenyl	900	UD	68	900	1800	ug/Kg
91-58-7	2-Chloronaphthalene	900	UD	41	900	1800	ug/Kg
88-74-4	2-Nitroaniline	900	UD	80	900	1800	ug/Kg
131-11-3	Dimethylphthalate	900	UD	49	900	1800	ug/Kg
208-96-8	Acenaphthylene	900	UD	45	900	1800	ug/Kg
606-20-2	2,6-Dinitrotoluene	900	UD	74	900	1800	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-03DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079294.D	5	09/19/12	09/21/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	900	UD	120	900	1800	ug/Kg
83-32-9	Acenaphthene	790	JD	51	900	1800	ug/Kg
51-28-5	2,4-Dinitrophenol	900	UD	180	900	1800	ug/Kg
100-02-7	4-Nitrophenol	900	UD	340	900	1800	ug/Kg
132-64-9	Dibenzofuran	900	UD	70	900	1800	ug/Kg
121-14-2	2,4-Dinitrotoluene	900	UD	55	900	1800	ug/Kg
84-66-2	Diethylphthalate	900	UD	28	900	1800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	900	UD	98	900	1800	ug/Kg
86-73-7	Fluorene	900	UD	68	900	1800	ug/Kg
100-01-6	4-Nitroaniline	900	UD	230	900	1800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	900	UD	100	900	1800	ug/Kg
86-30-6	N-Nitrosodiphenylamine	900	UD	43	900	1800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	900	UD	35	900	1800	ug/Kg
118-74-1	Hexachlorobenzene	900	UD	74	900	1800	ug/Kg
1912-24-9	Atrazine	900	UD	95	900	1800	ug/Kg
87-86-5	Pentachlorophenol	900	UD	120	900	1800	ug/Kg
85-01-8	Phenanthrene	7800	D	49	900	1800	ug/Kg
120-12-7	Anthracene	1600	JD	37	900	1800	ug/Kg
86-74-8	Carbazole	900	UD	40	900	1800	ug/Kg
84-74-2	Di-n-butylphthalate	900	UD	140	900	1800	ug/Kg
206-44-0	Fluoranthene	7800	D	36	900	1800	ug/Kg
129-00-0	Pyrene	6800	D	43	900	1800	ug/Kg
85-68-7	Butylbenzylphthalate	900	UD	87	900	1800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	900	UD	120	900	1800	ug/Kg
56-55-3	Benzo(a)anthracene	3000	D	86	900	1800	ug/Kg
218-01-9	Chrysene	2900	D	82	900	1800	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	900	UD	64	900	1800	ug/Kg
117-84-0	Di-n-octyl phthalate	900	UD	21	900	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	3200	D	59	900	1800	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100	JD	85	900	1800	ug/Kg
50-32-8	Benzo(a)pyrene	2700	D	39	900	1800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400	JD	60	900	1800	ug/Kg
53-70-3	Dibenz(a,h)anthracene	900	UD	52	900	1800	ug/Kg

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)DL	SDG No.:	D4250
Lab Sample ID:	D4250-03DL	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	8
Sample Wt/Vol:	30.12 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BE079294.D	5	09/19/12	09/21/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	1500	JD	73	900	1800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	900	UD	71	900	1800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	900	UD	71	900	1800	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	122		28 - 127		81%	SPK: 150
13127-88-3	Phenol-d6	126		34 - 127		84%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.5		31 - 132		77%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.8		39 - 123		90%	SPK: 100
118-79-6	2,4,6-Tribromophenol	116		30 - 133		77%	SPK: 150
1718-51-0	Terphenyl-d14	86.7		37 - 115		87%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68452	8.69				
1146-65-2	Naphthalene-d8	276191	10.85				
15067-26-2	Acenaphthene-d10	164776	13.8				
1517-22-2	Phenanthrene-d10	326657	16.27				
1719-03-5	Chrysene-d12	372281	20.7				
1520-96-3	Perylene-d12	324207	24.4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035346.D	1		09/19/12	VF091912

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.35	U	0.61	2.35	4.7	ug/Kg
74-87-3	Chloromethane	2.35	U	0.81	2.35	4.7	ug/Kg
75-01-4	Vinyl Chloride	2.35	U	1.2	2.35	4.7	ug/Kg
74-83-9	Bromomethane	2.35	U	2.3	2.35	4.7	ug/Kg
75-00-3	Chloroethane	2.35	U	1.3	2.35	4.7	ug/Kg
75-69-4	Trichlorofluoromethane	2.35	U	1.2	2.35	4.7	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.35	U	1.3	2.35	4.7	ug/Kg
75-35-4	1,1-Dichloroethene	2.35	U	1.4	2.35	4.7	ug/Kg
67-64-1	Acetone	12	U	2.8	12	24	ug/Kg
75-15-0	Carbon Disulfide	2.35	U	1	2.35	4.7	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.35	U	0.9	2.35	4.7	ug/Kg
79-20-9	Methyl Acetate	2.35	U	1.4	2.35	4.7	ug/Kg
75-09-2	Methylene Chloride	2.35	U	1.3	2.35	4.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.35	U	0.65	2.35	4.7	ug/Kg
75-34-3	1,1-Dichloroethane	2.35	U	0.88	2.35	4.7	ug/Kg
110-82-7	Cyclohexane	2.35	U	0.95	2.35	4.7	ug/Kg
78-93-3	2-Butanone	12	U	2.9	12	24	ug/Kg
56-23-5	Carbon Tetrachloride	2.35	U	0.93	2.35	4.7	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.35	U	0.84	2.35	4.7	ug/Kg
74-97-5	Bromochloromethane	2.35	U	0.74	2.35	4.7	ug/Kg
67-66-3	Chloroform	2.35	U	0.7	2.35	4.7	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.35	U	0.83	2.35	4.7	ug/Kg
108-87-2	Methylcyclohexane	2.35	U	1	2.35	4.7	ug/Kg
71-43-2	Benzene	2.35	U	0.36	2.35	4.7	ug/Kg
107-06-2	1,2-Dichloroethane	2.35	U	0.6	2.35	4.7	ug/Kg
79-01-6	Trichloroethene	2.35	U	0.81	2.35	4.7	ug/Kg
78-87-5	1,2-Dichloropropane	2.35	U	0.24	2.35	4.7	ug/Kg
75-27-4	Bromodichloromethane	2.35	U	0.58	2.35	4.7	ug/Kg
108-10-1	4-Methyl-2-Pentanone	12	U	2.7	12	24	ug/Kg
108-88-3	Toluene	2.35	U	0.6	2.35	4.7	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.35	U	0.74	2.35	4.7	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035346.D	1		09/19/12	VF091912

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.35	U	0.68	2.35	4.7	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.35	U	0.85	2.35	4.7	ug/Kg
591-78-6	2-Hexanone	12	U	3.7	12	24	ug/Kg
124-48-1	Dibromochloromethane	2.35	U	0.51	2.35	4.7	ug/Kg
106-93-4	1,2-Dibromoethane	2.35	U	0.6	2.35	4.7	ug/Kg
127-18-4	Tetrachloroethene	2.35	U	0.95	2.35	4.7	ug/Kg
108-90-7	Chlorobenzene	2.35	U	0.47	2.35	4.7	ug/Kg
100-41-4	Ethyl Benzene	2.35	U	0.58	2.35	4.7	ug/Kg
179601-23-1	m/p-Xylenes	4.7	U	0.68	4.7	9.4	ug/Kg
95-47-6	o-Xylene	2.35	U	0.64	2.35	4.7	ug/Kg
100-42-5	Styrene	2.35	U	0.42	2.35	4.7	ug/Kg
75-25-2	Bromoform	2.35	U	0.7	2.35	4.7	ug/Kg
98-82-8	Isopropylbenzene	2.35	U	0.45	2.35	4.7	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.35	U	0.43	2.35	4.7	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.35	U	0.35	2.35	4.7	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.35	U	0.39	2.35	4.7	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.35	U	0.58	2.35	4.7	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.35	U	0.82	2.35	4.7	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.35	U	0.66	2.35	4.7	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.35	U	0.47	2.35	4.7	ug/Kg
123-91-1	1,4-Dioxane	47	U	47	47	94	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	45.2		56 - 120		90%	SPK: 50
1868-53-7	Dibromofluoromethane	40.9		57 - 135		82%	SPK: 50
2037-26-5	Toluene-d8	42.6		67 - 123		85%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		33 - 141		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	83932	4.38				
540-36-3	1,4-Difluorobenzene	111581	5.12				
3114-55-4	Chlorobenzene-d5	105331	9.33				
3855-82-1	1,4-Dichlorobenzene-d4	69298	12.23				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(3-5)	SDG No.:	D4250
Lab Sample ID:	D4250-03	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	8
Sample Wt/Vol:	5.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035346.D	1		09/19/12	VF091912

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	6760		1	0.66	1.96	3.92	mg/Kg	09/19/12	09/25/12	SW6010B
7440-36-0	Antimony	0.98	U	1	0.44	0.98	1.96	mg/Kg	09/19/12	09/25/12	SW6010B
7440-38-2	Arsenic	2.66		1	0.26	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-39-3	Barium	31.7		1	0.31	1.96	3.92	mg/Kg	09/19/12	09/25/12	SW6010B
7440-41-7	Beryllium	0.29		1	0.05	0.12	0.24	mg/Kg	09/19/12	09/25/12	SW6010B
7440-43-9	Cadmium	0.12	U	1	0.05	0.12	0.24	mg/Kg	09/19/12	09/25/12	SW6010B
7440-70-2	Calcium	859		1	0.84	39.2	78.4	mg/Kg	09/19/12	09/25/12	SW6010B
7440-47-3	Chromium	16.7		1	0.1	0.195	0.39	mg/Kg	09/19/12	09/25/12	SW6010B
7440-48-4	Cobalt	6.23		1	0.45	0.59	1.18	mg/Kg	09/19/12	09/25/12	SW6010B
7440-50-8	Copper	12.5		1	0.25	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7439-89-6	Iron	14800		1	1.04	1.96	3.92	mg/Kg	09/19/12	09/25/12	SW6010B
7439-92-1	Lead	5.42		1	0.09	0.235	0.47	mg/Kg	09/19/12	09/25/12	SW6010B
7439-95-4	Magnesium	2320		1	3.59	39.2	78.4	mg/Kg	09/19/12	09/25/12	SW6010B
7439-96-5	Manganese	271		1	0.15	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7439-97-6	Mercury	0.04		1	0.002	0.005	0.01	mg/Kg	09/20/12	09/21/12	SW7471A
7440-02-0	Nickel	15		1	0.36	0.785	1.57	mg/Kg	09/19/12	09/25/12	SW6010B
7440-09-7	Potassium	672		1	2.74	39.2	78.4	mg/Kg	09/19/12	09/25/12	SW6010B
7782-49-2	Selenium	1.74		1	0.32	0.39	0.78	mg/Kg	09/19/12	09/25/12	SW6010B
7440-22-4	Silver	0.5		1	0.12	0.195	0.39	mg/Kg	09/19/12	09/25/12	SW6010B
7440-23-5	Sodium	131		1	1.97	39.2	78.4	mg/Kg	09/19/12	09/25/12	SW6010B
7440-28-0	Thallium	0.48	J	1	0.21	0.785	1.57	mg/Kg	09/19/12	09/25/12	SW6010B
7440-62-2	Vanadium	17.1		1	0.46	0.785	1.57	mg/Kg	09/19/12	09/25/12	SW6010B
7440-66-6	Zinc	41.9		1	0.55	0.785	1.57	mg/Kg	09/19/12	09/25/12	SW6010B

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	No
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	13
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058747.D	1	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	190	U	20	190	380	ug/Kg
108-95-2	Phenol	190	U	8.8	190	380	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	18	190	380	ug/Kg
95-57-8	2-Chlorophenol	190	U	20	190	380	ug/Kg
95-48-7	2-Methylphenol	190	U	21	190	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	16	190	380	ug/Kg
98-86-2	Acetophenone	190	U	12	190	380	ug/Kg
65794-96-9	3+4-Methylphenols	190	U	20	190	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	190	U	19	190	380	ug/Kg
67-72-1	Hexachloroethane	190	U	17	190	380	ug/Kg
98-95-3	Nitrobenzene	190	U	14	190	380	ug/Kg
78-59-1	Isophorone	190	U	13	190	380	ug/Kg
88-75-5	2-Nitrophenol	190	U	18	190	380	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	22	190	380	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	22	190	380	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	15	190	380	ug/Kg
91-20-3	Naphthalene	190	U	13	190	380	ug/Kg
106-47-8	4-Chloroaniline	190	U	27	190	380	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	14	190	380	ug/Kg
105-60-2	Caprolactam	190	U	18	190	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	17	190	380	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	9.7	190	380	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	UQ	9.3	190	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	12	190	380	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	27	190	380	ug/Kg
92-52-4	1,1-Biphenyl	190	U	14	190	380	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	8.7	190	380	ug/Kg
88-74-4	2-Nitroaniline	190	U	17	190	380	ug/Kg
131-11-3	Dimethylphthalate	360	J	10	190	380	ug/Kg
208-96-8	Acenaphthylene	190	U	9.7	190	380	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	16	190	380	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	13
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058747.D	1	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	190	U	25	190	380	ug/Kg
83-32-9	Acenaphthene	190	U	11	190	380	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	39	190	380	ug/Kg
100-02-7	4-Nitrophenol	190	U	71	190	380	ug/Kg
132-64-9	Dibenzofuran	190	U	15	190	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	12	190	380	ug/Kg
84-66-2	Diethylphthalate	190	U	6	190	380	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	21	190	380	ug/Kg
86-73-7	Fluorene	190	U	14	190	380	ug/Kg
100-01-6	4-Nitroaniline	190	U	50	190	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	190	U	22	190	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	190	U	9.2	190	380	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	7.5	190	380	ug/Kg
118-74-1	Hexachlorobenzene	190	U	16	190	380	ug/Kg
1912-24-9	Atrazine	190	U	20	190	380	ug/Kg
87-86-5	Pentachlorophenol	190	U	26	190	380	ug/Kg
85-01-8	Phenanthrene	190	U	10	190	380	ug/Kg
120-12-7	Anthracene	190	U	7.8	190	380	ug/Kg
86-74-8	Carbazole	190	U	8.4	190	380	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	30	190	380	ug/Kg
206-44-0	Fluoranthene	190	U	7.7	190	380	ug/Kg
129-00-0	Pyrene	190	U	9.2	190	380	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	18	190	380	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	25	190	380	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	18	190	380	ug/Kg
218-01-9	Chrysene	190	U	17	190	380	ug/Kg
117-81-7	bis(2-Ethylhexyl)phthalate	190	U	14	190	380	ug/Kg
117-84-0	Di-n-octyl phthalate	190	U	4.4	190	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	13	190	380	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	U	18	190	380	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	8.3	190	380	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	13	190	380	ug/Kg
53-70-3	Dibenz(a,h)anthracene	190	U	11	190	380	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8270D	% Moisture:	13
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SOXH Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : N/A

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058747.D	1	09/19/12	09/20/12	PB65818

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	190	U	16	190	380	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	15	190	380	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	15	190	380	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	113		28 - 127		75%	SPK: 150
13127-88-3	Phenol-d6	118		34 - 127		79%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.9		31 - 132		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.9		39 - 123		85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 - 133		81%	SPK: 150
1718-51-0	Terphenyl-d14	81.4		37 - 115		81%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	148922	4.79				
1146-65-2	Naphthalene-d8	506440	6.29				
15067-26-2	Acenaphthene-d10	246145	8.04				
1517-22-2	Phenanthrene-d10	391409	9.91				
1719-03-5	Chrysene-d12	332230	13.92				
1520-96-3	Perylene-d12	295874	16.02				
TENTATIVE IDENTIFIED COMPOUNDS							
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	1800	J			2.82	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035334.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.9	U	0.75	2.9	5.8	ug/Kg
74-87-3	Chloromethane	2.9	U	1	2.9	5.8	ug/Kg
75-01-4	Vinyl Chloride	2.9	U	1.4	2.9	5.8	ug/Kg
74-83-9	Bromomethane	2.9	U	2.8	2.9	5.8	ug/Kg
75-00-3	Chloroethane	2.9	U	1.6	2.9	5.8	ug/Kg
75-69-4	Trichlorofluoromethane	2.9	U	1.5	2.9	5.8	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.9	U	1.5	2.9	5.8	ug/Kg
75-35-4	1,1-Dichloroethene	2.9	U	1.7	2.9	5.8	ug/Kg
67-64-1	Acetone	14.5	U	3.5	14.5	29	ug/Kg
75-15-0	Carbon Disulfide	2.9	U	1.2	2.9	5.8	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2.9	U	1.1	2.9	5.8	ug/Kg
79-20-9	Methyl Acetate	2.9	U	1.7	2.9	5.8	ug/Kg
75-09-2	Methylene Chloride	2.9	U	1.6	2.9	5.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.9	U	0.8	2.9	5.8	ug/Kg
75-34-3	1,1-Dichloroethane	2.9	U	1.1	2.9	5.8	ug/Kg
110-82-7	Cyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
78-93-3	2-Butanone	14.5	U	3.6	14.5	29	ug/Kg
56-23-5	Carbon Tetrachloride	2.9	UQ	1.1	2.9	5.8	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2.9	U	1	2.9	5.8	ug/Kg
74-97-5	Bromochloromethane	2.9	U	0.92	2.9	5.8	ug/Kg
67-66-3	Chloroform	2.9	U	0.86	2.9	5.8	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.9	U	1	2.9	5.8	ug/Kg
108-87-2	Methylcyclohexane	2.9	U	1.2	2.9	5.8	ug/Kg
71-43-2	Benzene	2.9	U	0.44	2.9	5.8	ug/Kg
107-06-2	1,2-Dichloroethane	2.9	U	0.74	2.9	5.8	ug/Kg
79-01-6	Trichloroethene	2.9	U	1	2.9	5.8	ug/Kg
78-87-5	1,2-Dichloropropane	2.9	U	0.3	2.9	5.8	ug/Kg
75-27-4	Bromodichloromethane	2.9	U	0.72	2.9	5.8	ug/Kg
108-10-1	4-Methyl-2-Pentanone	14.5	U	3.4	14.5	29	ug/Kg
108-88-3	Toluene	2.9	U	0.74	2.9	5.8	ug/Kg
10061-02-6	t-1,3-Dichloropropene	2.9	U	0.92	2.9	5.8	ug/Kg

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035334.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.9	U	0.83	2.9	5.8	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.9	U	1	2.9	5.8	ug/Kg
591-78-6	2-Hexanone	14.5	U	4.5	14.5	29	ug/Kg
124-48-1	Dibromochloromethane	2.9	U	0.63	2.9	5.8	ug/Kg
106-93-4	1,2-Dibromoethane	2.9	U	0.74	2.9	5.8	ug/Kg
127-18-4	Tetrachloroethene	2.9	U	1.2	2.9	5.8	ug/Kg
108-90-7	Chlorobenzene	2.9	U	0.58	2.9	5.8	ug/Kg
100-41-4	Ethyl Benzene	2.9	U	0.72	2.9	5.8	ug/Kg
179601-23-1	m/p-Xylenes	6	U	0.83	6	12	ug/Kg
95-47-6	o-Xylene	2.9	U	0.79	2.9	5.8	ug/Kg
100-42-5	Styrene	2.9	U	0.52	2.9	5.8	ug/Kg
75-25-2	Bromoform	2.9	U	0.86	2.9	5.8	ug/Kg
98-82-8	Isopropylbenzene	2.9	U	0.56	2.9	5.8	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.9	U	0.53	2.9	5.8	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.9	U	0.43	2.9	5.8	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.9	U	0.48	2.9	5.8	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.9	U	0.72	2.9	5.8	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.9	U	1	2.9	5.8	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.9	U	0.81	2.9	5.8	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.9	U	0.58	2.9	5.8	ug/Kg
123-91-1	1,4-Dioxane	60	U	58	60	120	ug/Kg
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.8		56 - 120		106%	SPK: 50
1868-53-7	Dibromofluoromethane	56		57 - 135		112%	SPK: 50
2037-26-5	Toluene-d8	49.7		67 - 123		99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		33 - 141		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	85310	4.4				
540-36-3	1,4-Difluorobenzene	106537	5.14				
3114-55-4	Chlorobenzene-d5	105421	9.35				
3855-82-1	1,4-Dichlorobenzene-d4	63794	12.25				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	LB-2(10-12)	SDG No.:	D4250
Lab Sample ID:	D4250-04	Matrix:	SOIL
Analytical Method:	SW8260C	% Moisture:	13
Sample Wt/Vol:	4.96 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VF035334.D	1		09/18/12	VF091812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8151A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE005942.D	1	09/19/12	09/25/12	PB65819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	1	U	0.163	1	2	ug/L
120-36-5	DICHLORPROP	1	U	0.263	1	2	ug/L
94-75-7	2,4-D	1	U	0.348	1	2	ug/L
93-72-1	2,4,5-TP (SILVEX)	1	U	0.151	1	2	ug/L
93-76-5	2,4,5-T	1	U	0.172	1	2	ug/L
94-82-6	2,4-DB	1	U	0.631	1	2	ug/L
88-85-7	DINOSEB	1	U	0.179	1	2	ug/L
SURROGATES							
19719-28-9	2,4-DCAA	260		43 - 172		52%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	1310		1	6.5	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-36-0	Antimony	12.5	U	1	8	12.5	25	ug/L	09/19/12	09/24/12	SW6010B
7440-38-2	Arsenic	8.18	J	1	4.2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-39-3	Barium	563		1	4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-41-7	Beryllium	1.5	U	1	0.7	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-43-9	Cadmium	1.5	U	1	0.5	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-70-2	Calcium	178000		1	31.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-47-3	Chromium	6.86		1	1.1	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-48-4	Cobalt	7.5	U	1	5.8	7.5	15	ug/L	09/19/12	09/24/12	SW6010B
7440-50-8	Copper	10.1		1	2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-89-6	Iron	13200		1	20.4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7439-92-1	Lead	15.3		1	2.6	3	6	ug/L	09/19/12	09/24/12	SW6010B
7439-95-4	Magnesium	43000		1	32.5	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7439-96-5	Manganese	3140		1	1.7	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-97-6	Mercury	0.105	J	1	0.091	0.1	0.2	ug/L	09/19/12	09/20/12	SW7470A
7440-02-0	Nickel	16.4	J	1	4.2	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-09-7	Potassium	50800		1	38.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7782-49-2	Selenium	5	U	1	4.8	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-22-4	Silver	2.5	U	1	1.5	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-23-5	Sodium	707000		1	13.9	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-28-0	Thallium	10	U	1	2.4	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-62-2	Vanadium	10	U	1	6.1	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-66-6	Zinc	60.6		1	6.5	10	20	ug/L	09/19/12	09/24/12	SW6010B

Color Before:	Brown	Clarity Before:	Cloudy	Texture:	
Color After:	Yellow	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC010480.D	1	09/19/12	09/21/12	PB65813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.7		35 - 137		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		40 - 135		92%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006038.D	1	09/19/12	09/18/12	PB65814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0051	0.025	0.05	ug/L
319-85-7	beta-BHC	0.025	U	0.0086	0.025	0.05	ug/L
319-86-8	delta-BHC	0.025	U	0.0056	0.025	0.05	ug/L
58-89-9	gamma-BHC	0.025	U	0.0055	0.025	0.05	ug/L
76-44-8	Heptachlor	0.025	U	0.0069	0.025	0.05	ug/L
309-00-2	Aldrin	0.025	U	0.0062	0.025	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0067	0.025	0.05	ug/L
959-98-8	Endosulfan I	0.025	U	0.0061	0.025	0.05	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.05	ug/L
72-55-9	4,4-DDE	0.025	U	0.004	0.025	0.05	ug/L
72-20-8	Endrin	0.025	U	0.0058	0.025	0.05	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0055	0.025	0.05	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.006	0.025	0.05	ug/L
50-29-3	4,4-DDT	0.025	U	0.0059	0.025	0.05	ug/L
72-43-5	Methoxychlor	0.025	U	0.0042	0.025	0.05	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0057	0.025	0.05	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0045	0.025	0.05	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0049	0.025	0.05	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.005	0.025	0.05	ug/L
8001-35-2	Toxaphene	0.25	U	0.1	0.25	0.5	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	13.7		10 - 192		69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		10 - 172		92%	SPK: 20

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Report of Analysis

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Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006038.D	1	09/19/12	09/18/12	PB65814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058738.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	5	U	0.78	5	10	ug/L
108-95-2	Phenol	5	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	5	U	0.56	5	10	ug/L
95-57-8	2-Chlorophenol	5	U	0.55	5	10	ug/L
95-48-7	2-Methylphenol	5	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5	U	0.17	5	10	ug/L
98-86-2	Acetophenone	5	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	5	U	0.38	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	5	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	5	U	0.25	5	10	ug/L
98-95-3	Nitrobenzene	5	U	0.69	5	10	ug/L
78-59-1	Isophorone	5	U	0.3	5	10	ug/L
88-75-5	2-Nitrophenol	5	U	0.53	5	10	ug/L
105-67-9	2,4-Dimethylphenol	5	U	0.72	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5	U	0.56	5	10	ug/L
120-83-2	2,4-Dichlorophenol	5	U	0.67	5	10	ug/L
91-20-3	Naphthalene	5	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	5	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	5	U	0.25	5	10	ug/L
105-60-2	Caprolactam	5	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	5	U	0.4	5	10	ug/L
91-57-6	2-Methylnaphthalene	5	U	0.32	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	5	U	0.57	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	5	U	0.4	5	10	ug/L
92-52-4	1,1-Biphenyl	5	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	5	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	5	U	0.49	5	10	ug/L
131-11-3	Dimethylphthalate	5	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	5	U	0.71	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	5	U	0.32	5	10	ug/L

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Report of Analysis

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Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058738.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	5	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	5	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	5	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	5	U	1	5	10	ug/L
84-66-2	Diethylphthalate	5	U	0.38	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5	U	0.21	5	10	ug/L
86-73-7	Fluorene	5	U	0.31	5	10	ug/L
100-01-6	4-Nitroaniline	5	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	5	U	0.75	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	5	U	0.61	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	5	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	5	U	0.18	5	10	ug/L
1912-24-9	Atrazine	5	U	0.4	5	10	ug/L
87-86-5	Pentachlorophenol	5	U	1.7	5	10	ug/L
85-01-8	Phenanthrene	5	U	0.26	5	10	ug/L
120-12-7	Anthracene	5	U	0.16	5	10	ug/L
86-74-8	Carbazole	5	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	5	U	2	5	10	ug/L
206-44-0	Fluoranthene	5	U	0.4	5	10	ug/L
129-00-0	Pyrene	5	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	5	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	5	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	5	U	0.16	5	10	ug/L
218-01-9	Chrysene	5	U	0.18	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	5	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	5	U	0.52	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	5	U	0.29	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	5	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	5	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	5	U	0.42	5	10	ug/L

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Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058738.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5	U	0.29	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5	U	0.2	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5	U	0.2	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	58.2		10 - 130		39%	SPK: 150
13127-88-3	Phenol-d6	37.1		10 - 130		25%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.7		36 - 131		89%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.6		39 - 131		98%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		25 - 155		86%	SPK: 150
1718-51-0	Terphenyl-d14	92.2		23 - 130		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	137767	4.79				
1146-65-2	Naphthalene-d8	488800	6.29				
15067-26-2	Acenaphthene-d10	236447	8.04				
1517-22-2	Phenanthrene-d10	385993	9.91				
1719-03-5	Chrysene-d12	284162	13.93				
1520-96-3	Perylene-d12	249559	16.02				
TENTATIVE IDENTIFIED COMPOUNDS							
111-13-7	2-Octanone	3.0	J			1.9	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	17	JB			2.81	ug/L
111-76-2	Ethanol, 2-butoxy-	3.5	J			3.54	ug/L
10544-50-0	Cyclic octaatomic sulfur	5.8	J			11.7	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049327.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.5	U	0.55	2.5	5	ug/L
74-87-3	Chloromethane	2.5	U	0.54	2.5	5	ug/L
75-01-4	Vinyl Chloride	2.5	U	0.34	2.5	5	ug/L
74-83-9	Bromomethane	2.5	U	0.62	2.5	5	ug/L
75-00-3	Chloroethane	2.5	U	0.66	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	2.5	U	0.35	2.5	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	U	0.45	2.5	5	ug/L
75-35-4	1,1-Dichloroethene	2.5	U	0.47	2.5	5	ug/L
67-64-1	Acetone	12.5	U	2.8	12.5	25	ug/L
75-15-0	Carbon Disulfide	2.5	U	0.54	2.5	5	ug/L
1634-04-4	Methyl tert-butyl Ether	2.5	U	0.35	2.5	5	ug/L
79-20-9	Methyl Acetate	2.5	U	0.83	2.5	5	ug/L
75-09-2	Methylene Chloride	2.5	U	0.41	2.5	5	ug/L
156-60-5	trans-1,2-Dichloroethene	2.5	U	0.41	2.5	5	ug/L
75-34-3	1,1-Dichloroethane	2.5	U	0.36	2.5	5	ug/L
110-82-7	Cyclohexane	2.5	U	0.55	2.5	5	ug/L
78-93-3	2-Butanone	12.5	U	1.3	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	2.5	U	0.62	2.5	5	ug/L
156-59-2	cis-1,2-Dichloroethene	2.5	U	0.35	2.5	5	ug/L
74-97-5	Bromochloromethane	2.5	UQ	2.2	2.5	5	ug/L
67-66-3	Chloroform	2.5	U	0.34	2.5	5	ug/L
71-55-6	1,1,1-Trichloroethane	2.5	U	0.4	2.5	5	ug/L
108-87-2	Methylcyclohexane	2.5	U	0.68	2.5	5	ug/L
71-43-2	Benzene	2.5	U	0.32	2.5	5	ug/L
107-06-2	1,2-Dichloroethane	2.5	U	0.48	2.5	5	ug/L
79-01-6	Trichloroethene	2.5	U	0.28	2.5	5	ug/L
78-87-5	1,2-Dichloropropane	2.5	U	0.46	2.5	5	ug/L
75-27-4	Bromodichloromethane	2.5	U	0.36	2.5	5	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	U	2.1	12.5	25	ug/L
108-88-3	Toluene	2.5	U	0.37	2.5	5	ug/L
10061-02-6	t-1,3-Dichloropropene	2.5	U	0.29	2.5	5	ug/L

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Report of Analysis

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Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049327.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.5	U	0.31	2.5	5	ug/L
79-00-5	1,1,2-Trichloroethane	2.5	U	0.38	2.5	5	ug/L
591-78-6	2-Hexanone	12.5	U	1.9	12.5	25	ug/L
124-48-1	Dibromochloromethane	2.5	U	0.52	2.5	5	ug/L
106-93-4	1,2-Dibromoethane	2.5	U	0.41	2.5	5	ug/L
127-18-4	Tetrachloroethene	2.5	U	0.27	2.5	5	ug/L
108-90-7	Chlorobenzene	2.5	U	0.49	2.5	5	ug/L
100-41-4	Ethyl Benzene	2.5	U	0.53	2.5	5	ug/L
179601-23-1	m/p-Xylenes	5	U	0.95	5	10	ug/L
95-47-6	o-Xylene	2.5	U	0.43	2.5	5	ug/L
100-42-5	Styrene	2.5	U	0.36	2.5	5	ug/L
75-25-2	Bromoform	2.5	U	0.47	2.5	5	ug/L
98-82-8	Isopropylbenzene	2.5	U	0.45	2.5	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	0.31	2.5	5	ug/L
541-73-1	1,3-Dichlorobenzene	2.5	U	0.43	2.5	5	ug/L
106-46-7	1,4-Dichlorobenzene	2.5	U	0.32	2.5	5	ug/L
95-50-1	1,2-Dichlorobenzene	2.5	U	0.45	2.5	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	0.46	2.5	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.5	U	0.62	2.5	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.5	U	0.65	2.5	5	ug/L
123-91-1	1,4-Dioxane	50	U	50	50	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	64.2		61 - 141		128%	SPK: 50
1868-53-7	Dibromofluoromethane	52		69 - 133		104%	SPK: 50
2037-26-5	Toluene-d8	52.8		65 - 126		106%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		58 - 135		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	183301	4.92				
540-36-3	1,4-Difluorobenzene	322749	5.64				
3114-55-4	Chlorobenzene-d5	323998	9.78				
3855-82-1	1,4-Dichlorobenzene-d4	182720	12.52				

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Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-05	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049327.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8151A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PE005943.D	1	09/19/12	09/25/12	PB65819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
1918-00-9	DICAMBA	1	U	0.163	1	2	ug/L
120-36-5	DICHLORPROP	1	U	0.263	1	2	ug/L
94-75-7	2,4-D	1	U	0.348	1	2	ug/L
93-72-1	2,4,5-TP (SILVEX)	1	U	0.151	1	2	ug/L
93-76-5	2,4,5-T	1	U	0.172	1	2	ug/L
94-82-6	2,4-DB	1	U	0.631	1	2	ug/L
88-85-7	DINOSEB	1	U	0.179	1	2	ug/L
SURROGATES							
19719-28-9	2,4-DCAA	372		43 - 172		75%	SPK: 500

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	1510		1	6.5	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-36-0	Antimony	12.5	U	1	8	12.5	25	ug/L	09/19/12	09/24/12	SW6010B
7440-38-2	Arsenic	13.9		1	4.2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-39-3	Barium	208		1	4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-41-7	Beryllium	1.5	U	1	0.7	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-43-9	Cadmium	1.5	U	1	0.5	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-70-2	Calcium	111000		1	31.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-47-3	Chromium	3.38	J	1	1.1	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-48-4	Cobalt	7.5	U	1	5.8	7.5	15	ug/L	09/19/12	09/24/12	SW6010B
7440-50-8	Copper	6.91	J	1	2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-89-6	Iron	13300		1	20.4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7439-92-1	Lead	20.4		1	2.6	3	6	ug/L	09/19/12	09/24/12	SW6010B
7439-95-4	Magnesium	25400		1	32.5	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7439-96-5	Manganese	3810		1	1.7	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-97-6	Mercury	0.1	U	1	0.091	0.1	0.2	ug/L	09/19/12	09/20/12	SW7470A
7440-02-0	Nickel	6.3	J	1	4.2	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-09-7	Potassium	39100		1	38.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7782-49-2	Selenium	5	U	1	4.8	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-22-4	Silver	2.5	U	1	1.5	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-23-5	Sodium	187000		1	13.9	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-28-0	Thallium	10	U	1	2.4	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-62-2	Vanadium	10	U	1	6.1	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-66-6	Zinc	31.9		1	6.5	10	20	ug/L	09/19/12	09/24/12	SW6010B

Color Before:	Brown	Clarity Before:	Cloudy	Texture:	
Color After:	Yellow	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8082A	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PC010481.D	1	09/19/12	09/21/12	PB65813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.096	0.25	0.5	ug/L
11104-28-2	Aroclor-1221	0.25	U	0.19	0.25	0.5	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.15	0.25	0.5	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.089	0.25	0.5	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.24	0.25	0.5	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.044	0.25	0.5	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.5	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.6		35 - 137		93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		40 - 135		93%	SPK: 20

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
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N = Presumptive Evidence of a Compound
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006039.D	1	09/19/12	09/18/12	PB65814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0051	0.025	0.05	ug/L
319-85-7	beta-BHC	0.025	U	0.0086	0.025	0.05	ug/L
319-86-8	delta-BHC	0.025	U	0.0056	0.025	0.05	ug/L
58-89-9	gamma-BHC	0.025	U	0.0055	0.025	0.05	ug/L
76-44-8	Heptachlor	0.025	U	0.0069	0.025	0.05	ug/L
309-00-2	Aldrin	0.025	U	0.0062	0.025	0.05	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0067	0.025	0.05	ug/L
959-98-8	Endosulfan I	0.025	U	0.0061	0.025	0.05	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.05	ug/L
72-55-9	4,4-DDE	0.025	U	0.004	0.025	0.05	ug/L
72-20-8	Endrin	0.025	U	0.0058	0.025	0.05	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0055	0.025	0.05	ug/L
72-54-8	4,4-DDD	0.025	U	0.0071	0.025	0.05	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.006	0.025	0.05	ug/L
50-29-3	4,4-DDT	0.025	U	0.0059	0.025	0.05	ug/L
72-43-5	Methoxychlor	0.025	U	0.0042	0.025	0.05	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0057	0.025	0.05	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0045	0.025	0.05	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0049	0.025	0.05	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.005	0.025	0.05	ug/L
8001-35-2	Toxaphene	0.25	U	0.1	0.25	0.5	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	13.2		10 - 192		66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		10 - 172		89%	SPK: 20

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8081B	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume	1
GPC Factor :	1.0 PH : 6		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PG006039.D	1	09/19/12	09/18/12	PB65814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058739.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	5	U	0.77	5	10	ug/L
108-95-2	Phenol	5	U	0.21	5	10	ug/L
111-44-4	bis(2-Chloroethyl)ether	5	U	0.55	5	10	ug/L
95-57-8	2-Chlorophenol	5	U	0.54	5	10	ug/L
95-48-7	2-Methylphenol	5	U	0.24	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5	U	0.17	5	10	ug/L
98-86-2	Acetophenone	5	U	0.14	5	10	ug/L
65794-96-9	3+4-Methylphenols	5	U	0.38	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	5	U	0.2	5	10	ug/L
67-72-1	Hexachloroethane	5	U	0.25	5	10	ug/L
98-95-3	Nitrobenzene	5	U	0.68	5	10	ug/L
78-59-1	Isophorone	5	U	0.3	5	10	ug/L
88-75-5	2-Nitrophenol	5	U	0.52	5	10	ug/L
105-67-9	2,4-Dimethylphenol	5	U	0.71	5	10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5	U	0.55	5	10	ug/L
120-83-2	2,4-Dichlorophenol	5	U	0.66	5	10	ug/L
91-20-3	Naphthalene	5	U	0.12	5	10	ug/L
106-47-8	4-Chloroaniline	5	U	2.9	5	10	ug/L
87-68-3	Hexachlorobutadiene	5	U	0.25	5	10	ug/L
105-60-2	Caprolactam	5	U	2	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	5	U	0.4	5	10	ug/L
91-57-6	2-Methylnaphthalene	5	U	0.32	5	10	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	0.24	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	5	U	0.56	5	10	ug/L
95-95-4	2,4,5-Trichlorophenol	5	U	0.4	5	10	ug/L
92-52-4	1,1-Biphenyl	5	U	0.15	5	10	ug/L
91-58-7	2-Chloronaphthalene	5	U	0.16	5	10	ug/L
88-74-4	2-Nitroaniline	5	U	0.49	5	10	ug/L
131-11-3	Dimethylphthalate	5	U	0.22	5	10	ug/L
208-96-8	Acenaphthylene	5	U	0.7	5	10	ug/L
606-20-2	2,6-Dinitrotoluene	5	U	0.32	5	10	ug/L

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058739.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
99-09-2	3-Nitroaniline	5	U	1.1	5	10	ug/L
83-32-9	Acenaphthene	5	U	0.21	5	10	ug/L
51-28-5	2,4-Dinitrophenol	5	U	2.1	5	10	ug/L
100-02-7	4-Nitrophenol	5	U	2	5	10	ug/L
132-64-9	Dibenzofuran	5	U	0.24	5	10	ug/L
121-14-2	2,4-Dinitrotoluene	5	U	1	5	10	ug/L
84-66-2	Diethylphthalate	5	U	0.38	5	10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5	U	0.21	5	10	ug/L
86-73-7	Fluorene	5	U	0.31	5	10	ug/L
100-01-6	4-Nitroaniline	5	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	5	U	0.74	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	5	U	0.6	5	10	ug/L
101-55-3	4-Bromophenyl-phenylether	5	U	0.23	5	10	ug/L
118-74-1	Hexachlorobenzene	5	U	0.18	5	10	ug/L
1912-24-9	Atrazine	5	U	0.4	5	10	ug/L
87-86-5	Pentachlorophenol	5	U	1.7	5	10	ug/L
85-01-8	Phenanthrene	5	U	0.26	5	10	ug/L
120-12-7	Anthracene	5	U	0.16	5	10	ug/L
86-74-8	Carbazole	5	U	0.22	5	10	ug/L
84-74-2	Di-n-butylphthalate	5	U	2	5	10	ug/L
206-44-0	Fluoranthene	5	U	0.4	5	10	ug/L
129-00-0	Pyrene	5	U	0.2	5	10	ug/L
85-68-7	Butylbenzylphthalate	5	U	0.19	5	10	ug/L
91-94-1	3,3-Dichlorobenzidine	5	U	2	5	10	ug/L
56-55-3	Benzo(a)anthracene	5	U	0.16	5	10	ug/L
218-01-9	Chrysene	5	U	0.18	5	10	ug/L
117-81-7	bis(2-Ethylhexyl)phthalate	5	U	0.16	5	10	ug/L
117-84-0	Di-n-octyl phthalate	5	U	0.51	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	5	U	0.29	5	10	ug/L
207-08-9	Benzo(k)fluoranthene	5	U	0.18	5	10	ug/L
50-32-8	Benzo(a)pyrene	5	U	0.14	5	10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5	U	0.15	5	10	ug/L
53-70-3	Dibenz(a,h)anthracene	5	U	0.42	5	10	ug/L

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8270D	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	SEPF Decanted : N	Level :	LOW
Injection Volume :	1 GPC Factor : 1.0	GPC Cleanup :	N PH : 6

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF058739.D	1	09/19/12	09/19/12	PB65815

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
191-24-2	Benzo(g,h,i)perylene	5	U	0.29	5	10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5	U	0.2	5	10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5	U	0.2	5	10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	51.9		10 - 130		35%	SPK: 150
13127-88-3	Phenol-d6	32.3		10 - 130		22%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.9		36 - 131		88%	SPK: 100
321-60-8	2-Fluorobiphenyl	97.2		39 - 131		97%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		25 - 155		86%	SPK: 150
1718-51-0	Terphenyl-d14	92		23 - 130		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	141161	4.79				
1146-65-2	Naphthalene-d8	489761	6.29				
15067-26-2	Acenaphthene-d10	236438	8.04				
1517-22-2	Phenanthrene-d10	381411	9.91				
1719-03-5	Chrysene-d12	291406	13.93				
1520-96-3	Perylene-d12	249548	16.02				
TENTATIVE IDENTIFIED COMPOUNDS							
110-12-3	2-Hexanone, 5-methyl-	2.8	J			1.9	ug/L
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	16	JB			2.81	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049328.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	2.5	U	0.55	2.5	5	ug/L
74-87-3	Chloromethane	2.5	U	0.54	2.5	5	ug/L
75-01-4	Vinyl Chloride	2.5	U	0.34	2.5	5	ug/L
74-83-9	Bromomethane	2.5	U	0.62	2.5	5	ug/L
75-00-3	Chloroethane	2.5	U	0.66	2.5	5	ug/L
75-69-4	Trichlorofluoromethane	2.5	U	0.35	2.5	5	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.5	U	0.45	2.5	5	ug/L
75-35-4	1,1-Dichloroethene	2.5	U	0.47	2.5	5	ug/L
67-64-1	Acetone	12.5	U	2.8	12.5	25	ug/L
75-15-0	Carbon Disulfide	2.5	U	0.54	2.5	5	ug/L
1634-04-4	Methyl tert-butyl Ether	2.5	U	0.35	2.5	5	ug/L
79-20-9	Methyl Acetate	2.5	U	0.83	2.5	5	ug/L
75-09-2	Methylene Chloride	2.5	U	0.41	2.5	5	ug/L
156-60-5	trans-1,2-Dichloroethene	2.5	U	0.41	2.5	5	ug/L
75-34-3	1,1-Dichloroethane	2.5	U	0.36	2.5	5	ug/L
110-82-7	Cyclohexane	2.5	U	0.55	2.5	5	ug/L
78-93-3	2-Butanone	12.5	U	1.3	12.5	25	ug/L
56-23-5	Carbon Tetrachloride	2.5	U	0.62	2.5	5	ug/L
156-59-2	cis-1,2-Dichloroethene	2.5	U	0.35	2.5	5	ug/L
74-97-5	Bromochloromethane	2.5	UQ	2.2	2.5	5	ug/L
67-66-3	Chloroform	2.5	U	0.34	2.5	5	ug/L
71-55-6	1,1,1-Trichloroethane	2.5	U	0.4	2.5	5	ug/L
108-87-2	Methylcyclohexane	2.5	U	0.68	2.5	5	ug/L
71-43-2	Benzene	2.5	U	0.32	2.5	5	ug/L
107-06-2	1,2-Dichloroethane	2.5	U	0.48	2.5	5	ug/L
79-01-6	Trichloroethene	2.5	U	0.28	2.5	5	ug/L
78-87-5	1,2-Dichloropropane	2.5	U	0.46	2.5	5	ug/L
75-27-4	Bromodichloromethane	2.5	U	0.36	2.5	5	ug/L
108-10-1	4-Methyl-2-Pentanone	12.5	U	2.1	12.5	25	ug/L
108-88-3	Toluene	2.5	U	0.37	2.5	5	ug/L
10061-02-6	t-1,3-Dichloropropene	2.5	U	0.29	2.5	5	ug/L

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049328.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	2.5	U	0.31	2.5	5	ug/L
79-00-5	1,1,2-Trichloroethane	2.5	U	0.38	2.5	5	ug/L
591-78-6	2-Hexanone	12.5	U	1.9	12.5	25	ug/L
124-48-1	Dibromochloromethane	2.5	U	0.52	2.5	5	ug/L
106-93-4	1,2-Dibromoethane	2.5	U	0.41	2.5	5	ug/L
127-18-4	Tetrachloroethene	2.5	U	0.27	2.5	5	ug/L
108-90-7	Chlorobenzene	2.5	U	0.49	2.5	5	ug/L
100-41-4	Ethyl Benzene	2.5	U	0.53	2.5	5	ug/L
179601-23-1	m/p-Xylenes	5	U	0.95	5	10	ug/L
95-47-6	o-Xylene	2.5	U	0.43	2.5	5	ug/L
100-42-5	Styrene	2.5	U	0.36	2.5	5	ug/L
75-25-2	Bromoform	2.5	U	0.47	2.5	5	ug/L
98-82-8	Isopropylbenzene	2.5	U	0.45	2.5	5	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.5	U	0.31	2.5	5	ug/L
541-73-1	1,3-Dichlorobenzene	2.5	U	0.43	2.5	5	ug/L
106-46-7	1,4-Dichlorobenzene	2.5	U	0.32	2.5	5	ug/L
95-50-1	1,2-Dichlorobenzene	2.5	U	0.45	2.5	5	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.5	U	0.46	2.5	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.5	U	0.62	2.5	5	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.5	U	0.65	2.5	5	ug/L
123-91-1	1,4-Dioxane	50	U	50	50	100	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	60.5		61 - 141		121%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		69 - 133		100%	SPK: 50
2037-26-5	Toluene-d8	52.6		65 - 126		105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50		58 - 135		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	177913	4.92				
540-36-3	1,4-Difluorobenzene	324353	5.64				
3114-55-4	Chlorobenzene-d5	312693	9.77				
3855-82-1	1,4-Dichlorobenzene-d4	173611	12.52				

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-06	Matrix:	WATER
Analytical Method:	SW8260C	% Moisture:	100
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VH049328.D	1		09/21/12	VH092112

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-1	SDG No.:	D4250
Lab Sample ID:	D4250-07	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	121		1	6.5	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-36-0	Antimony	12.5	U	1	8	12.5	25	ug/L	09/19/12	09/24/12	SW6010B
7440-38-2	Arsenic	7.93	J	1	4.2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-39-3	Barium	541		1	4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-41-7	Beryllium	1.5	U	1	0.7	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-43-9	Cadmium	1.5	U	1	0.5	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-70-2	Calcium	192000		1	31.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-47-3	Chromium	2.5	U	1	1.1	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-48-4	Cobalt	7.5	U	1	5.8	7.5	15	ug/L	09/19/12	09/24/12	SW6010B
7440-50-8	Copper	3.2	J	1	2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-89-6	Iron	8270		1	20.4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7439-92-1	Lead	4.64	J	1	2.6	3	6	ug/L	09/19/12	09/24/12	SW6010B
7439-95-4	Magnesium	47000		1	32.5	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7439-96-5	Manganese	3400		1	1.7	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-97-6	Mercury	0.1	U	1	0.091	0.1	0.2	ug/L	09/19/12	09/20/12	SW7470A
7440-02-0	Nickel	6.29	J	1	4.2	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-09-7	Potassium	55400		1	38.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7782-49-2	Selenium	5	U	1	4.8	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-22-4	Silver	2.5	U	1	1.5	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-23-5	Sodium	696000		1	13.9	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-28-0	Thallium	10	U	1	2.4	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-62-2	Vanadium	10	U	1	6.1	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-66-6	Zinc	22.9		1	6.5	10	20	ug/L	09/19/12	09/24/12	SW6010B

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	DISSOLVED METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	09/17/12
Project:	West & Leroy Streets	Date Received:	09/18/12
Client Sample ID:	TMW-2	SDG No.:	D4250
Lab Sample ID:	D4250-08	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
7429-90-5	Aluminum	92		1	6.5	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-36-0	Antimony	12.5	U	1	8	12.5	25	ug/L	09/19/12	09/24/12	SW6010B
7440-38-2	Arsenic	15		1	4.2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-39-3	Barium	231		1	4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7440-41-7	Beryllium	1.5	U	1	0.7	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-43-9	Cadmium	1.5	U	1	0.5	1.5	3	ug/L	09/19/12	09/24/12	SW6010B
7440-70-2	Calcium	137000		1	31.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-47-3	Chromium	2.5	U	1	1.1	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-48-4	Cobalt	7.5	U	1	5.8	7.5	15	ug/L	09/19/12	09/24/12	SW6010B
7440-50-8	Copper	2.06	J	1	2	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-89-6	Iron	13700		1	20.4	25	50	ug/L	09/19/12	09/24/12	SW6010B
7439-92-1	Lead	5.61	J	1	2.6	3	6	ug/L	09/19/12	09/24/12	SW6010B
7439-95-4	Magnesium	31900		1	32.5	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7439-96-5	Manganese	4680		1	1.7	5	10	ug/L	09/19/12	09/24/12	SW6010B
7439-97-6	Mercury	0.1	U	1	0.091	0.1	0.2	ug/L	09/19/12	09/20/12	SW7470A
7440-02-0	Nickel	10	U	1	4.2	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-09-7	Potassium	49100		1	38.8	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7782-49-2	Selenium	5	U	1	4.8	5	10	ug/L	09/19/12	09/24/12	SW6010B
7440-22-4	Silver	2.5	U	1	1.5	2.5	5	ug/L	09/19/12	09/24/12	SW6010B
7440-23-5	Sodium	232000		1	13.9	500	1000	ug/L	09/19/12	09/24/12	SW6010B
7440-28-0	Thallium	10	U	1	2.4	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-62-2	Vanadium	10	U	1	6.1	10	20	ug/L	09/19/12	09/24/12	SW6010B
7440-66-6	Zinc	11.8	J	1	6.5	10	20	ug/L	09/19/12	09/24/12	SW6010B

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	DISSOLVED METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
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Q = indicates LCS control criteria did not meet requirements

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* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

APPENDIX D
ENVIRONMENTAL DATA RESOURCES INC. REPORT

West & Leroy
355-359 West Street and 156 Leroy Street
New York, NY 10014

Inquiry Number: 3540659.2s
March 11, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting Source Records Searched	A-76

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

355-359 WEST STREET AND 156 LEROY STREET
NEW YORK, NY 10014

COORDINATES

Latitude (North):	40.7301000 - 40˚ 43' 48.36''
Longitude (West):	74.0102000 - 74˚ 0' 36.72''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	583585.2
UTM Y (Meters):	4509056.0
Elevation:	7 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40074-F1 JERSEY CITY, NJ NY
Most Recent Revision:	1981
East Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2010, 2011
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
358 WEST ST 358 WEST ST NEW YORK, NY 10014	EDR US Hist Auto Stat	N/A
359 WEST ST 359 WEST ST NEW YORK, NY 10014	EDR US Hist Auto Stat	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NY SHWS..... Inactive Hazardous Waste Disposal Sites in New York State
NJ SHWS..... Known Contaminated Sites in New Jersey
NY VAPOR REOPENED..... Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

NJ SWF/LF..... Solid Waste Facility Directory

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

NJ UST ..... Underground Storage Tank Data
NY CBS UST ..... Chemical Bulk Storage Database
NY MOSF UST ..... Major Oil Storage Facilities Database
NY MOSF AST ..... Major Oil Storage Facilities Database
NY MOSF ..... Major Oil Storage Facility Site Listing
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NY ENG CONTROLS ..... Registry of Engineering Controls
NJ ENG CONTROLS ..... Declaration Environmental Restriction/Deed Notice Sites
NY INST CONTROL ..... Registry of Institutional Controls
NJ INST CONTROL ..... Classification Exception Area Sites
NY RES DECL ..... Restrictive Declarations Listing

State and tribal voluntary cleanup sites

NY VCP ..... Voluntary Cleanup Agreements
INDIAN VCP ..... Voluntary Cleanup Priority Listing
NJ VCP ..... Voluntary Cleanup Program Sites

State and tribal Brownfields sites

NY ERP ..... Environmental Restoration Program Listing
NJ BROWNFIELDS ..... Brownfields Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
NY SWTIRE ..... Registered Waste Tire Storage & Facility List
NJ SWRCY ..... Approved Class B Recycling Facilities
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
NY DEL SHWS ..... Delisted Registry Sites
US HIST CDL ..... National Clandestine Laboratory Register

Local Land Records

LIENS 2 ..... CERCLA Lien Information
NY LIENS ..... Spill Liens Information

NJ LIENS ..... Environmental LIENS

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System

Other Ascertainable Records

DOT OPS ..... Incident and Accident Data
DOD ..... Department of Defense Sites
FUDS ..... Formerly Used Defense Sites
UMTRA ..... Uranium Mill Tailings Sites
US MINES ..... Mines Master Index File
TRIS ..... Toxic Chemical Release Inventory System
TSCA ..... Toxic Substances Control Act
FTTS ..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS ..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS ..... Section 7 Tracking Systems
ICIS ..... Integrated Compliance Information System
PADS ..... PCB Activity Database System
MLTS ..... Material Licensing Tracking System
RAATS ..... RCRA Administrative Action Tracking System
RMP ..... Risk Management Plans
NY UIC ..... Underground Injection Control Wells
NJ UIC ..... Underground Injection Wells Database
NJ DRYCLEANERS ..... Drycleaner List
NY NPDES ..... State Pollutant Discharge Elimination System
NJ NPDES ..... New Jersey Pollutant Discharge Elimination System Dischargers
INDIAN RESERV ..... Indian Reservations
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing
NY Financial Assurance ..... Financial Assurance Information Listing
NY COAL ASH ..... Coal Ash Disposal Site Listing
NJ COAL ASH ..... Coal Ash Listing
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List
NJ Financial Assurance ..... Financial Assurance Information Listing
COAL ASH DOE ..... Steam-Electric Plant Operation Data
PCB TRANSFORMER ..... PCB Transformer Registration Database
US FIN ASSUR ..... Financial Assurance Information
EPA WATCH LIST ..... EPA WATCH LIST
2020 COR ACTION ..... 2020 Corrective Action Program List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/01/2012 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.081 mi.)***	***0***	***8***

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 11/02/2012 has revealed that there are 2 CERCLIS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.081 mi.)***	***0***	***8***
NEW YORK CITY ANTHRAX SITES	31 DOWNING STREET/2 PRI	E 1/4 - 1/2 (0.338 mi.)	AG234	791

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 11/02/2012 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FEDERAL BUILDING / GSA	***201 VARICK ST***	***ESE 1/8 - 1/4 (0.244 mi.)***	***AB194***	***635***

EXECUTIVE SUMMARY

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 5 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.081 mi.)***	***0***	***8***
CON EDISON - SERVICE BOX 29913	160 CHRISTOPHER ST.	NNE 1/8 - 1/4 (0.178 mi.)	N113	399
CON EDISON - SERVICE BOX 26182	72 BARROW ST.	ENE 1/8 - 1/4 (0.223 mi.)	P160	540
CON EDISON - SERVICE BOX 37381	491 HUDSON ST.	NE 1/8 - 1/4 (0.230 mi.)	W168	556
CON EDISON - SERVICE BOX 29922	135 CHRISTOPHER ST.	NE 1/8 - 1/4 (0.235 mi.)	T178	575

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ENTERPRISE PRESS	***627 GREENWICH STREET***	***ENE 0 - 1/8 (0.091 mi.)***	***H56***	***186***
UNITED PARCEL SERVICE	***325 W HOUSTON ST***	***SE 0 - 1/8 (0.094 mi.)***	***G58***	***216***
TECHNICOLOR EAST COAST INC	110 LEROY ST	E 0 - 1/8 (0.123 mi.)	K83	314
NYS OFFICE OF MENTAL RETARDATI	75 MORTON ST	ENE 1/8 - 1/4 (0.146 mi.)	L91	339
HUDSON KIM'S CLEANERS	***462 HUDSON ST***	***ENE 1/8 - 1/4 (0.184 mi.)***	***P117***	***408***
PORT AUTHORITY TRANS-HUDSON CO	135 CHRISTOPHER ST	NE 1/8 - 1/4 (0.234 mi.)	T173	567
MEMPHIS CLEANERS INC.	***679 WASHINGTON ST***	***NNE 1/8 - 1/4 (0.250 mi.)***	***V204***	***665***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BLOOMBERG DATA CENTER	340 WEST ST	NW 0 - 1/8 (0.005 mi.)	A7	46

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 8 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TANA WEB INC	***627 GREENWICH ST - 1ST***	***ENE 0 - 1/8 (0.091 mi.)***	***H57***	***213***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
R S ROSENBAUM & CO INC	***435 HUDSON ST***	***ENE 1/8 - 1/4 (0.152 mi.)***	***K99***	***360***
NYC DISTRICT OF CARPENTERS PEN	395 HUDSON ST	ESE 1/8 - 1/4 (0.153 mi.)	M101	370
CON EDISON	483 HUDSON ST	NE 1/8 - 1/4 (0.212 mi.)	P137	482
CON EDISON	528 GREENWICH ST	SSE 1/8 - 1/4 (0.224 mi.)	U161	542
CON EDISON	492 HUDSON ST	NE 1/8 - 1/4 (0.234 mi.)	W172	566
CON EDISON	135 CHRISTOPHER ST SB 2	NE 1/8 - 1/4 (0.235 mi.)	T179	576

Lower Elevation	Address	Direction / Distance	Map ID	Page
ONDEO NALCO CO	***330 WEST ST***	***W 0 - 1/8 (0.005 mi.)***	***A8***	***47***

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 12/19/2012 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.081 mi.)***	***0***	***8***

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 12/19/2012 has revealed that there is 1 US INST CONTROL site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.081 mi.)***	***0***	***8***

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the NY SWF/LF list, as provided by EDR, and dated 01/07/2013 has revealed that there is 1 NY SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BARRETTI CARTING CORP.	509 GREENWICH STREET	S 1/4 - 1/2 (0.282 mi.)	AC209	691

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 11/19/2012 has revealed that there are 53 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YELLOW FREIGHT SYSTEM INC Date Closed: 7/5/2000	***149 LEROY ST***	***ENE 0 - 1/8 (0.022 mi.)***	***B25***	***100***
Not reported Date Closed: 12/23/1999	***130 LEROY STREET***	***E 0 - 1/8 (0.079 mi.)***	***F44***	***156***
560 WASHINGTON ST Date Closed: 6/4/1997	***560 WASHINGTON ST***	***SSE 0 - 1/8 (0.084 mi.)***	***G49***	***169***
ENTERPRISE EXPRESS Date Closed: 9/6/2005	***627 GREENWICH ST***	***ENE 0 - 1/8 (0.105 mi.)***	***H64***	***251***
111 LEROY ST Date Closed: 5/2/2006	***111 LEROY ST***	***E 0 - 1/8 (0.121 mi.)***	***F81***	***309***
METRO NYS DDSO TTF Date Closed: 1/26/2012	75 MORTON ST	ENE 1/8 - 1/4 (0.146 mi.)	L95	347
422 HUDSON ST Date Closed: 11/20/1995 Date Closed: 4/29/2004	***422 HUDSON ST***	***E 1/8 - 1/4 (0.150 mi.)***	***K96***	***349***
APT BUILDING Date Closed: 3/31/2011	98 CHARLTON ST	SE 1/8 - 1/4 (0.219 mi.)	X152	520
45 MORTON ST/MANH Date Closed: 5/25/1995	***45 MORTON STREET***	***ENE 1/8 - 1/4 (0.221 mi.)***	***R154***	***525***
690 GREENWICH ST Date Closed: 1/2/2004	690 GREENWICH ST	NNE 1/8 - 1/4 (0.234 mi.)	T175	570
522 GREENWICH AV/MANH/UPS Date Closed: 2/9/1998	***522 GREENWICH AVENUE***	***SSE 1/4 - 1/2 (0.251 mi.)***	***U205***	***678***
22 GROVE ST Date Closed: 1/26/2004	***22 GROVE ST***	***ENE 1/4 - 1/2 (0.266 mi.)***	***206***	***680***
174 BEDFORD AVE/BKLYN Date Closed: 11/8/1990	***174 BEDFORD AVENUE***	***NE 1/4 - 1/2 (0.267 mi.)***	***W207***	***686***
172 BEDFORD AVE/BKLYN Date Closed: 5/25/1995	***172 BEDFORD AVENUE***	***NE 1/4 - 1/2 (0.267 mi.)***	***W208***	***689***
AJ CLARKE MGT Date Closed: 9/18/1996	***50 KING STREET***	***ESE 1/4 - 1/2 (0.286 mi.)***	***AB210***	***692***
507-509 GREENWICH ST Date Closed: 9/9/1998	***507-509 GREENWICH ST***	***S 1/4 - 1/2 (0.287 mi.)***	***AC211***	***694***
507-509 GREENWICH STREET Date Closed: 12/3/1999	***507-509 GREENWICH STREE***	***S 1/4 - 1/2 (0.287 mi.)***	***AC212***	***697***
1633 W. 10TH STREET Date Closed: 2/11/2003	***1633 W. 10TH STREET***	***NE 1/4 - 1/2 (0.287 mi.)***	***AD213***	***700***
50 KING STREET Date Closed: 2/5/1993	***50 KING STREET***	***ESE 1/4 - 1/2 (0.288 mi.)***	***AB214***	***702***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
119 CHRISTOPHER STREET Date Closed: 7/29/2003	***119 CHRISTOPHER STREET***	***NE 1/4 - 1/2 (0.294 mi.)***	***AE215***	***711***
PLYMOUTH MANAGEMENT Date Closed: 4/27/2012	695 WASHINGTON ST	NNE 1/4 - 1/2 (0.302 mi.)	216	714
48-02 VAN DAM ST/QUEENS Date Closed: 4/24/1991	***48-02 VAN DAM STREET***	***SE 1/4 - 1/2 (0.304 mi.)***	***AF217***	***722***
49-39 VAN DAM ST/QUEENS Date Closed: 5/15/1991	***49-39 VAN DAM STREET***	***SE 1/4 - 1/2 (0.316 mi.)***	***AF218***	***725***
47-04 VAN DAM ST/QUEENS Date Closed: 10/7/1992	***47-04 VAN DAM STREET***	***SE 1/4 - 1/2 (0.320 mi.)***	***AF219***	***728***
Not reported Date Closed: 3/3/2003 Date Closed: 11/9/2005	***40 GROVE STREET***	***ENE 1/4 - 1/2 (0.320 mi.)***	***220***	***730***
46 CARMINE STREET Date Closed: 4/17/1995	***46 CARMINE STREET***	***E 1/4 - 1/2 (0.329 mi.)***	***AG221***	***734***
ON SIDEWALK Date Closed: 11/24/2004	7 MORTON STREET	ENE 1/4 - 1/2 (0.329 mi.)	AH222	737
FORMER TAXI GARAGE Date Closed: 11/24/1998	***534 HUDSON ST***	***NE 1/4 - 1/2 (0.329 mi.)***	***AD224***	***739***
6TH PRECINCT NYPD -DDC Date Closed: 12/22/2006 Date Closed: 1/10/2005	***233 WEST 10TH STREET***	***NE 1/4 - 1/2 (0.330 mi.)***	***AE225***	***746***
31-45 DOWNING STREET Date Closed: 10/2/1992	***31-45 DOWNING STREET***	***E 1/4 - 1/2 (0.337 mi.)***	***AG231***	***785***
APARTMENT BUILDING Date Closed: 4/14/1997	***6 BEDFORD ST***	***ESE 1/4 - 1/2 (0.345 mi.)***	***235***	***793***
LITTLE RED SCHOOL HOUSE Date Closed: 7/24/2003	40 CHARLTON STREET	SE 1/4 - 1/2 (0.351 mi.)	236	796
259 BLEECKER ST Date Closed: 11/29/1988	***259 BLEECKER ST***	***ENE 1/4 - 1/2 (0.362 mi.)***	***AH237***	***797***
APARTMENT COMPLEX Date Closed: 11/12/2003	26 CARMINE ST	E 1/4 - 1/2 (0.369 mi.)	AG238	800
ALISON ON DOMINICK ST Date Closed: 1/6/2000	***38 DOMINICK ST***	***SSE 1/4 - 1/2 (0.391 mi.)***	***241***	***804***
LITTLE RED SCHOOL HOUSE Date Closed: 6/30/2006	272 6TH AVENUE	E 1/4 - 1/2 (0.393 mi.)	AK242	806
LITTLE RED SCHOOL HOUSE Date Closed: 5/29/2008	272 6TH AVE	E 1/4 - 1/2 (0.408 mi.)	AK243	808
C TRUE BLDG CORP Date Closed: 7/14/2003	***465 GREENWICH ST***	***S 1/4 - 1/2 (0.413 mi.)***	***AL244***	***810***
Not reported Date Closed: 7/22/2002	2 KING ST	ESE 1/4 - 1/2 (0.416 mi.)	245	812
SPRING AMERICA Date Closed: 1/4/1995	***161 6TH AVENUE***	***SE 1/4 - 1/2 (0.422 mi.)***	***AM246***	***814***
228 WEST 4TH STREET Date Closed: 11/14/2005	***228 WEST 4TH STREET***	***NE 1/4 - 1/2 (0.437 mi.)***	***247***	***816***
FRATELLI BRANCA AND CO Date Closed: 3/19/1996	***115 WATT ST***	***S 1/4 - 1/2 (0.443 mi.)***	***AL249***	***822***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SUPERIOR PRINTING INK CO INC Date Closed: 2/23/2004	***70 BETHUNE STREET***	***N 1/4 - 1/2 (0.457 mi.)***	***AN250***	***824***
MOBIL S/S Date Closed: 4/9/1990	***140-52 6TH AVE***	***SE 1/4 - 1/2 (0.459 mi.)***	***AM251***	***835***
Not reported Date Closed: 4/9/2002	***171 SULLIVAN ST***	***ESE 1/4 - 1/2 (0.470 mi.)***	***253***	***844***
APARTMENT BLDG Date Closed: 9/11/2000	***96 GROVE ST***	***ENE 1/4 - 1/2 (0.470 mi.)***	***254***	***849***
443 GREENWICH ST Date Closed: 12/30/1992	***443 GREENWICH ST***	***S 1/4 - 1/2 (0.473 mi.)***	***AO255***	***852***
63 VESTRY STREET Date Closed: 3/16/2005	67 VESTRY STREET	S 1/4 - 1/2 (0.484 mi.)	256	855
APARTMENT Date Closed: 5/25/2011	126 MACDOUGAL ST	E 1/4 - 1/2 (0.484 mi.)	257	856
A&L AUTO RENTAL SERV. INC Date Closed: 9/10/2007	***393 WEST 12TH ST***	***N 1/4 - 1/2 (0.493 mi.)***	***AN258***	***858***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WB ENTRANCE TO Date Closed: 2/24/2003	***HOLLAND TUNNEL***	***S 1/8 - 1/4 (0.228 mi.)***	***163***	***544***
DEPT OF SANITATION Date Closed: 2/6/2006 Date Closed: 5/30/2007 **Additional key fields are available in the Map Findings section*	***297 WEST ST***	***S 1/4 - 1/2 (0.334 mi.)***	***AI228***	***756***
HUDSON RIVER PARK Date Closed: 8/1/2007	WEST ST/ WATT ST	S 1/4 - 1/2 (0.391 mi.)	AJ240	802

NY HIST LTANKS: A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the NY HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 45 NY HIST LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS Date Closed: 02/18/88	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.081 mi.)***	***0***	***8***
YELLOW FREIGHT SYSTEM INC Date Closed: 07/05/00	***149 LEROY ST***	***ENE 0 - 1/8 (0.022 mi.)***	***B25***	***100***
Not reported Date Closed: 12/23/99	***130 LEROY STREET***	***E 0 - 1/8 (0.079 mi.)***	***F44***	***156***
560 WASHINGTON ST Date Closed: / /	***560 WASHINGTON ST***	***SSE 0 - 1/8 (0.084 mi.)***	***G49***	***169***
422 HUDSON ST Date Closed: 11/20/95 Date Closed: / /	***422 HUDSON ST***	***E 1/8 - 1/4 (0.150 mi.)***	***K96***	***349***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
45 MORTON ST/MANH Date Closed: 05/25/95	***45 MORTON STREET***	***ENE 1/8 - 1/4 (0.221 mi.)***	***R154***	***525***
690 GRENWICH STREET Date Closed: / /	690 GRENWICH STREET	NNE 1/8 - 1/4 (0.234 mi.)	T174	568
522 GREENWICH AV/MANH/UPS Date Closed: 02/09/98	***522 GREENWICH AVENUE***	***SSE 1/4 - 1/2 (0.251 mi.)***	***U205***	***678***
22 GROVE ST Date Closed: / /	***22 GROVE ST***	***ENE 1/4 - 1/2 (0.266 mi.)***	***206***	***680***
174 BEDFORD AVE/BKLYN Date Closed: 11/08/90	***174 BEDFORD AVENUE***	***NE 1/4 - 1/2 (0.267 mi.)***	***W207***	***686***
172 BEDFORD AVE/BKLYN Date Closed: 05/25/95	***172 BEDFORD AVENUE***	***NE 1/4 - 1/2 (0.267 mi.)***	***W208***	***689***
AJ CLARKE MGT Date Closed: 09/18/96	***50 KING STREET***	***ESE 1/4 - 1/2 (0.286 mi.)***	***AB210***	***692***
507-509 GREENWICH ST Date Closed: 09/09/98	***507-509 GREENWICH ST***	***S 1/4 - 1/2 (0.287 mi.)***	***AC211***	***694***
507-509 GREENWICH STREET Date Closed: 12/03/99	***507-509 GREENWICH STREE***	***S 1/4 - 1/2 (0.287 mi.)***	***AC212***	***697***
1633 W. 10TH STREET Date Closed: / /	***1633 W. 10TH STREET***	***NE 1/4 - 1/2 (0.287 mi.)***	***AD213***	***700***
50 KING STREET Date Closed: 02/05/93	***50 KING STREET***	***ESE 1/4 - 1/2 (0.288 mi.)***	***AB214***	***702***
48-02 VAN DAM ST/QUEENS Date Closed: 04/24/91	***48-02 VAN DAM STREET***	***SE 1/4 - 1/2 (0.304 mi.)***	***AF217***	***722***
49-39 VAN DAM ST/QUEENS Date Closed: 05/15/91	***49-39 VAN DAM STREET***	***SE 1/4 - 1/2 (0.316 mi.)***	***AF218***	***725***
47-04 VAN DAM ST/QUEENS Date Closed: 10/07/92	***47-04 VAN DAM STREET***	***SE 1/4 - 1/2 (0.320 mi.)***	***AF219***	***728***
Not reported Date Closed: / /	***40 GROVE STREET***	***ENE 1/4 - 1/2 (0.320 mi.)***	***220***	***730***
46 CARMINE STREET Date Closed: 04/17/95	***46 CARMINE STREET***	***E 1/4 - 1/2 (0.329 mi.)***	***AG221***	***734***
DOVER GARAGE Date Closed: / /	534 HUDSON STREET	NE 1/4 - 1/2 (0.329 mi.)	AD223	738
FORMER TAXI GARAGE Date Closed: 11/24/98	***534 HUDSON ST***	***NE 1/4 - 1/2 (0.329 mi.)***	***AD224***	***739***
6TH PRECINCT NYPD -DDC Date Closed: / /	***233 WEST 10TH STREET***	***NE 1/4 - 1/2 (0.330 mi.)***	***AE225***	***746***
233 WEST 10TH STREET Date Closed: / /	233 WEST 10TH STREET	NE 1/4 - 1/2 (0.330 mi.)	AE226	753
31-45 DOWNING STREET Date Closed: 10/02/92	***31-45 DOWNING STREET***	***E 1/4 - 1/2 (0.337 mi.)***	***AG231***	***785***
APARTMENT BUILDING Date Closed: 04/14/97	***6 BEDFORD ST***	***ESE 1/4 - 1/2 (0.345 mi.)***	***235***	***793***
259 BLEECKER ST Date Closed: 11/29/88	***259 BLEECKER ST***	***ENE 1/4 - 1/2 (0.362 mi.)***	***AH237***	***797***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALISON ON DOMINICK ST Date Closed: 01/06/00	***38 DOMINICK ST***	***SSE 1/4 - 1/2 (0.391 mi.)***	***241***	***804***
C TRUE BLDG CORP Date Closed: / /	***465 GREENWICH ST***	***S 1/4 - 1/2 (0.413 mi.)***	***AL244***	***810***
SPRING AMERICA Date Closed: 01/04/95	***161 6TH AVENUE***	***SE 1/4 - 1/2 (0.422 mi.)***	***AM246***	***814***
228 WEST 4TH STREET Date Closed: / /	***228 WEST 4TH STREET***	***NE 1/4 - 1/2 (0.437 mi.)***	***247***	***816***
FDR - 320 AVENUE "C" Date Closed: / /	***320 AVENUE C***	***E 1/4 - 1/2 (0.438 mi.)***	***248***	***819***
FRATELLI BRANCA AND CO Date Closed: 03/19/96	***115 WATT ST***	***S 1/4 - 1/2 (0.443 mi.)***	***AL249***	***822***
MOBIL S/S Date Closed: 04/09/90	***140-52 6TH AVE***	***SE 1/4 - 1/2 (0.459 mi.)***	***AM251***	***835***
Not reported Date Closed: / /	***171 SULLIVAN ST***	***ESE 1/4 - 1/2 (0.470 mi.)***	***253***	***844***
APARTMENT BLDG Date Closed: 09/11/00	***96 GROVE ST***	***ENE 1/4 - 1/2 (0.470 mi.)***	***254***	***849***
443 GREENWICH ST Date Closed: 12/30/92	***443 GREENWICH ST***	***S 1/4 - 1/2 (0.473 mi.)***	***AO255***	***852***
A&L AUTO RENTAL SERV. INC Date Closed: / /	***393 WEST 12TH ST***	***N 1/4 - 1/2 (0.493 mi.)***	***AN258***	***858***

Lower Elevation	Address	Direction / Distance	Map ID	Page
297 WEST STREET Date Closed: / /	297 WEST STREET	S 1/4 - 1/2 (0.334 mi.)	AI227	754
DEPT OF SANITATION Date Closed: / /	***297 WEST ST***	***S 1/4 - 1/2 (0.334 mi.)***	***AI228***	***756***
MANHATTAN WEST ONE Date Closed: / /	297 WEST ST	S 1/4 - 1/2 (0.334 mi.)	AI229	765
DSNY MANHATTAN DISTRICT 1 GARA Date Closed: / /	***297 WEST STREET***	***S 1/4 - 1/2 (0.334 mi.)***	***AI230***	***767***
MOBIL S/S Date Closed: 03/29/95	290 WEST ST.	S 1/4 - 1/2 (0.338 mi.)	AI232	787
MOBIL S/S Date Closed: / /	***290 WEST STREET***	***S 1/4 - 1/2 (0.338 mi.)***	***AI233***	***789***

State and tribal registered storage tank lists

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, and dated 01/02/2013 has revealed that there are 2

EXECUTIVE SUMMARY

NY TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VERIZON NEW YORK INC-NY-11582	84 KING STREET	SE 1/8 - 1/4 (0.222 mi.)	Y156	533
BELL ATLANTIC GLOBAL NETWORKS	***325 HUDSON STREET***	***SSE 1/8 - 1/4 (0.239 mi.)***	***X184***	***584***

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, and dated 01/02/2013 has revealed that there are 10 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WASHINGTON STREET ASSOCAITES,	***149 LEROY STREET***	***ENE 0 - 1/8 (0.022 mi.)***	***B26***	***109***
ATLAS PAPER STOCK CO.	***589 WASHINGTON STREET***	***ESE 0 - 1/8 (0.032 mi.)***	***B29***	***123***
UNITED PARCEL SERVICE	320 WEST HOUSTON STREET	SE 0 - 1/8 (0.094 mi.)	G59	234
111 LEROY STREET	111 LEROY STREET	E 0 - 1/8 (0.121 mi.)	F79	304
CHRISTOPHER STREET OWNERS CORP	***165 CHRISTOPHER STREET***	***NNE 1/8 - 1/4 (0.166 mi.)***	***N106***	***381***
55 MORTON ST	55 MORTON ST	ENE 1/8 - 1/4 (0.193 mi.)	R124	427

Lower Elevation	Address	Direction / Distance	Map ID	Page
350 WEST STREET	***350 WEST STREET***	***NNW 0 - 1/8 (0.005 mi.)***	***A4***	***39***
#1 AUTOTECH GROUP	356 WEST STREET	NNW 0 - 1/8 (0.006 mi.)	A11	58
MIDTOWN SOUTH PRECINCT	***357 WEST 35TH STREET***	***WNW 0 - 1/8 (0.020 mi.)***	***A19***	***78***
WESTSIDE HIGWAY (RTE. 9A)	***WEST OF SOUTH BOUND LAN***	***W 0 - 1/8 (0.109 mi.)***	***73***	***292***

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 01/02/2013 has revealed that there are 43 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VILLAGE MART, INC.	160 LEROY STREET	ENE 0 - 1/8 (0.015 mi.)	A15	63
WASHINGTON STREET ASSOCAITES,	***149 LEROY STREET***	***ENE 0 - 1/8 (0.022 mi.)***	***B26***	***109***
FEDERAL EXPRESS - WTCA	148 LEROY STREET	ENE 0 - 1/8 (0.030 mi.)	B28	121
ST. JOHN'S CENTER	333 W. HOUSTON STREET	SE 0 - 1/8 (0.083 mi.)	G46	162
MCI D/B/A VERIZON BUSINESS	560 WASHINGTON STREET	SSE 0 - 1/8 (0.083 mi.)	G48	166
627 GREENWICH ST LLC	627 GREENWICH STREET	ENE 0 - 1/8 (0.091 mi.)	H55	184
UNITED PARCEL SERVICE	***325 W HOUSTON ST***	***SE 0 - 1/8 (0.094 mi.)***	***G58***	***216***
95 MORTON ST	95 MORTON STREET	ENE 0 - 1/8 (0.108 mi.)	H72	290
PRINTING HOUSE	***421 HUDSON ST***	***E 1/8 - 1/4 (0.141 mi.)***	***K88***	***335***
MANHATTAN DEVELOPMENTAL CENTER	***75 MORTON STREET***	***ENE 1/8 - 1/4 (0.146 mi.)***	***L93***	***341***
435 HUDSON STREET	***435 HUDSON STREET***	***ENE 1/8 - 1/4 (0.152 mi.)***	***K98***	***357***
ARCHIVE	***641 WASHINGTON ST***	***NNE 1/8 - 1/4 (0.155 mi.)***	***J103***	***373***
65 MORTON STREET	***65 MORTON STREET***	***ENE 1/8 - 1/4 (0.168 mi.)***	***L109***	***385***
UK. CHRISTOPHER ASSOC,C/O SULZ	***159 CHRISTOPHER STREET***	***NNE 1/8 - 1/4 (0.180 mi.)***	***N115***	***403***
SAINT VERONICA CHURCH	155 CHRISTOPHER ST	NNE 1/8 - 1/4 (0.182 mi.)	N116	406
3-5 WEEHAWKEN ST	***3-5 WEEHAWKEN ST***	***N 1/8 - 1/4 (0.190 mi.)***	***Q120***	***417***
55 MORTON ST	***55 MORTON ST***	***ENE 1/8 - 1/4 (0.193 mi.)***	***R123***	***424***
85 BARROW	***85 BARROW STREET***	***ENE 1/8 - 1/4 (0.195 mi.)***	***P125***	***429***
659 WASHINGTON STREET	659 WASHINGTON STREET	NNE 1/8 - 1/4 (0.198 mi.)	N126	433

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY AS ASCHOOL	***16 CLARKSON STREET***	***ESE 1/8 - 1/4 (0.199 mi.)***	***S127***	***435***
WHITEHALL STORAGE(WHITEHALL BU	333 HUDSON STREET	SE 1/8 - 1/4 (0.206 mi.)	O130	449
537 GREENWICH STREET	537 GREENWICH STREET	SSE 1/8 - 1/4 (0.207 mi.)	U134	475
350 HUDSON ST	***350 HUDSON ST***	***SE 1/8 - 1/4 (0.209 mi.)***	***O135***	***477***
47-49 MORTON STREET	***47-49 MORTON STREET***	***ENE 1/8 - 1/4 (0.214 mi.)***	***R138***	***483***
CBS RADIO	345 HUDSON STREET	SE 1/8 - 1/4 (0.216 mi.)	O143	492
2 GROVE ST AKA 482 HUDSON ST	***2 GROVE ST***	***NE 1/8 - 1/4 (0.219 mi.)***	***W151***	***517***
A B ILIBASSI REALTY CO	***98 CHARLTON ST***	***SE 1/8 - 1/4 (0.219 mi.)***	***X153***	***522***
CONSOLIDATED EDISON	***72 BARROW ST.***	***ENE 1/8 - 1/4 (0.223 mi.)***	***P159***	***536***
V-DOG CONDOMINIUM	95 VANDAM STREET	SSE 1/8 - 1/4 (0.229 mi.)	U164	547
PUBLIC SCHOOL 3 - MANHATTAN	490 HUDSON STREET	NE 1/8 - 1/4 (0.229 mi.)	W166	552
RESIDENTIAL BUILDING	***71 BARROW ST***	***ENE 1/8 - 1/4 (0.235 mi.)***	***AA176***	***571***
40 MORTON STREET	40 MORTON STREET	E 1/8 - 1/4 (0.236 mi.)	R183	582
LEVEL 3 COMMUNICATIONS LLC-NYC	325 HUDSON STREET	SSE 1/8 - 1/4 (0.239 mi.)	X185	598
225 VARRICK ST/MANH	***225 VARRICK STREET***	***ESE 1/8 - 1/4 (0.242 mi.)***	***S188***	***612***
VILLAGE COMMUNITY SCHOOL	***272 WEST 10TH STREET***	***NNE 1/8 - 1/4 (0.244 mi.)***	***196***	***650***
MAGNO HOME INC.	50 COMMERCE ST.	ENE 1/8 - 1/4 (0.245 mi.)	AA198	654
326 HUDSON ST	***326 HUDSON ST***	***SE 1/8 - 1/4 (0.246 mi.)***	***X199***	***656***
74 CHARLTON ST.	74 CHARLTON STREET	SE 1/8 - 1/4 (0.248 mi.)	X201	662

Lower Elevation	Address	Direction / Distance	Map ID	Page
PEMBROKE OWNERS	357 WEST 55TH STREET	WNW 0 - 1/8 (0.020 mi.)	A17	70
MIDTOWN SOUTH PRECINCT	***357 WEST 35TH STREET***	***WNW 0 - 1/8 (0.020 mi.)***	***A19***	***78***
357 WEST 115TH STREEET	***357 WEST 115TH STREET***	***WNW 0 - 1/8 (0.020 mi.)***	***A20***	***86***
34-36 MORTON ST	36 MORTON STREET	N 0 - 1/8 (0.087 mi.)	E52	177
34/36 MORTON STREET	34/36 MORTON STREET	N 0 - 1/8 (0.087 mi.)	E53	179

NY CBS AST: Chemical Bulk Storage Database. Registration data collected as required by 6 NYCRR Part 596. It includes facilities storing hazardous substances listed in 6 NYCRR Part 597, in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size. Includes facilities registered (and closed) since effective date of CBS regulations (July 15, 1988) through the date request is processed.

A review of the NY CBS AST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 NY CBS AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED PARCEL SERVICE	***325 W HOUSTON ST***	***SE 0 - 1/8 (0.094 mi.)***	***G58***	***216***
CARMINE REC. CENTER	CLARKSON AND 7TH AVENUE	ESE 1/8 - 1/4 (0.236 mi.)	S181	579

NY CBS: These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

A review of the NY CBS list, as provided by EDR, and dated 01/02/2013 has revealed that there are 2 NY CBS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED PARCEL SERVICE	***325 W HOUSTON ST***	***SE 0 - 1/8 (0.094 mi.)***	***G58***	***216***
CARMINE REC. CENTER	1 CLARKSON ST.	E 1/8 - 1/4 (0.242 mi.)	S186	608

EXECUTIVE SUMMARY

State and tribal Brownfields sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 11/19/2012 has revealed that there is 1 NY BROWNFIELDS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST & WATTS DEVELOPMENT	281 WEST STREET AND 456	S 1/4 - 1/2 (0.390 mi.)	AJ239	801

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

Registered Recycling Facility List from the Department of Environmental Conservation.

A review of the NY SWRCY list, as provided by EDR, and dated 01/07/2013 has revealed that there are 2 NY SWRCY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ATLAS PAPER STOCK CO.	***589 WASHINGTON STREET***	***ESE 0 - 1/8 (0.032 mi.)***	***B29***	***123***
LOT 31,TAXBLOCK 223	***444 GREENWICH STREET***	***S 1/4 - 1/2 (0.469 mi.)***	***AO252***	***840***

Local Lists of Registered Storage Tanks

NY HIST UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 11 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WASHINGTON STREET ASSOCAITES,	***149 LEROY STREET***	***ENE 0 - 1/8 (0.022 mi.)***	***B26***	***109***
ATLAS PAPER STOCK CO.	***589 WASHINGTON STREET***	***ESE 0 - 1/8 (0.032 mi.)***	***B29***	***123***
111 BARROW ST	111 BARROW ST	NE 0 - 1/8 (0.123 mi.)	J82	313
CHRISTOPHER STREET OWNERS CORP	***165 CHRISTOPHER STREET***	***NNE 1/8 - 1/4 (0.166 mi.)***	***N106***	***381***
303 WEST 10TH ST	303 W 10TH ST (160 CHAR	N 1/8 - 1/4 (0.193 mi.)	Q122	422
55 MORTON ST	***55 MORTON ST***	***ENE 1/8 - 1/4 (0.193 mi.)***	***R123***	***424***
BELL ATLANTIC	***84 KING STREET***	***SE 1/8 - 1/4 (0.222 mi.)***	***Y155***	***530***
THE SHEPHERD HOUSE	277 WEST 10TH STREET	NNE 1/8 - 1/4 (0.226 mi.)	V162	543

Lower Elevation	Address	Direction / Distance	Map ID	Page
350 WEST STREET	***350 WEST STREET***	***NNW 0 - 1/8 (0.005 mi.)***	***A4***	***39***
MIDTOWN SOUTH PRECINCT	***357 W 35 STREET***	***WNW 0 - 1/8 (0.020 mi.)***	***A18***	***72***
WESTSIDE HIGWAY (RTE. 9A)	***WEST OF SOUTH BOUND LAN***	***W 0 - 1/8 (0.109 mi.)***	***73***	***292***

EXECUTIVE SUMMARY

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 11/19/2012 has revealed that there are 29 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS Date Closed: 10/31/2003	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.081 mi.)***	***0***	***8***
WEST HOUSTON ST AND Date Closed: 9/12/2000	***WEST ST***	***SSW 0 - 1/8 (0.020 mi.)***	***A21***	***89***
YELLOW FREIGHT SYSTEM INC Date Closed: 1/12/2001	***149 LEROY ST***	***ENE 0 - 1/8 (0.022 mi.)***	***B25***	***100***
CLARKSON ST/WASHINGTON ST Date Closed: 11/13/1996	***CLARKSON ST/WASHINGTON***	***ESE 0 - 1/8 (0.038 mi.)***	***C30***	***131***
609 GREENWICH ST Date Closed: 4/10/2006	609 GREENWICH ST	E 0 - 1/8 (0.076 mi.)	F42	152
Not reported Date Closed: 7/25/2000	***129 LEROY ST***	***E 0 - 1/8 (0.079 mi.)***	***F43***	***153***
MCI Date Closed: 8/22/2005	560 WASHINGTON ST	SSE 0 - 1/8 (0.083 mi.)	G47	165
560 WASHINGTON ST Date Closed: 6/29/2001	***560 WASHINGTON ST***	***SSE 0 - 1/8 (0.084 mi.)***	***G49***	***169***
Not reported Date Closed: 12/14/2001	***MORTON ST & GREENWICH S***	***ENE 0 - 1/8 (0.100 mi.)***	***H60***	***245***
MANHOLE 36357 Date Closed: 3/24/2004	***GREENWICH ST/MORTON ST***	***ENE 0 - 1/8 (0.100 mi.)***	***H61***	***247***
95 MORTON ST Date Closed: 10/30/2008	***95 MORTON ST***	***ENE 0 - 1/8 (0.107 mi.)***	***H65***	***267***
148 BARROW STREET ***SIDEWALK*** Date Closed: 2/22/2005	***148 BARROW STREET*** ***95 MORTON STREET***	***NNE 0 - 1/8 (0.108 mi.)*** ***ENE 0 - 1/8 (0.108 mi.)***	***I66*** ***H67***	***269*** ***274***
95 MORTON ST/MANHATTAN Date Closed: 4/4/2001 Date Closed: 12/15/1988	***95 MORTON STREET***	***ENE 0 - 1/8 (0.108 mi.)***	***H70***	***281***
DRUM RUN Date Closed: 4/30/2008	CLARKSON ST	ESE 0 - 1/8 (0.111 mi.)	F76	299
FIVE GALLONS IN VAULT VS #5931 Date Closed: 2/16/2007	125 BARROW STREET	NNE 0 - 1/8 (0.112 mi.)	I77	300
BARROW ST & WASHINGTON ST Date Closed: 5/31/1996	***BARROW ST & WASHINGTON***	***NNE 0 - 1/8 (0.113 mi.)***	***I78***	***301***
111 LEROY ST ***DEE MANAGEMENT*** Date Closed: 11/20/1995	***111 LEROY ST*** ***111 BARROW ST***	***E 0 - 1/8 (0.121 mi.)*** ***NE 0 - 1/8 (0.123 mi.)***	***F81*** ***J85***	***309*** ***329***
MANHOLE 36357 Date Closed: 3/15/2004	***MORTON ST & GREENICH ST***	***NE 0 - 1/8 (0.124 mi.)***	***J86***	***331***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
VAULT 329 Date Closed: 3/19/2007	340 WEST STREET (BAY 37	NW 0 - 1/8 (0.001 mi.)	A3	38
VAULT 426 Date Closed: 5/2/2005 Date Closed: 3/24/2004	***344 WEST ST***	***NW 0 - 1/8 (0.005 mi.)***	***A9***	***51***
330 WEST STREET Date Closed: 6/2/1995	***330 WEST STREET***	***W 0 - 1/8 (0.006 mi.)***	***A10***	***55***
HUDSON RVR SOUTH PIER 40 Date Closed: 3/26/2004	***HUDSON RVR SOUTH PIER 4***	***SW 0 - 1/8 (0.011 mi.)***	***A13***	***60***
HUDSON RIVER - PIER 40 Date Closed: 11/5/1996	***WEST SIDE HIGHWAY***	***SW 0 - 1/8 (0.021 mi.)***	***A22***	***92***
ROADWAY EXPRESS TERMINAL Date Closed: 2/24/2003	***PIER 40 NORTH RIVER***	***SW 0 - 1/8 (0.021 mi.)***	***A23***	***95***
PIER 40 / HOLLAND TUNNEL Date Closed: 3/29/1992	***PIER 40 / HOLLAND TUNNE***	***SW 0 - 1/8 (0.021 mi.)***	***A24***	***97***
STATE PROJECT 9A Date Closed: 8/5/2002 Date Closed: 10/1/1997	***WEST ST & MORTON ST***	***N 0 - 1/8 (0.058 mi.)***	***E39***	***142***
MORTON ST-GREENWICH VILL. Date Closed: 6/1/1994	***PIER 42 -MORTON ST***	***NW 0 - 1/8 (0.075 mi.)***	***41***	***150***

NY Hist Spills: This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database.

A review of the NY Hist Spills list, as provided by EDR, and dated 01/01/2002 has revealed that there are 21 NY Hist Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WEST HOUSTON ST AND	***WEST ST***	***SSW 0 - 1/8 (0.020 mi.)***	***A21***	***89***
YELLOW FREIGHT SYSTEM INC	***149 LEROY ST***	***ENE 0 - 1/8 (0.022 mi.)***	***B25***	***100***
CLARKSON ST/WASHINGTON ST	***CLARKSON ST/WASHINGTON***	***ESE 0 - 1/8 (0.038 mi.)***	***C30***	***131***
Not reported	***129 LEROY ST***	***E 0 - 1/8 (0.079 mi.)***	***F43***	***153***
Not reported	560 WASHINGTON ST	SSE 0 - 1/8 (0.084 mi.)	G50	173
Not reported	***MORTON ST & GREENWICH S***	***ENE 0 - 1/8 (0.100 mi.)***	***H60***	***245***
MANHOLE 36357	***GREENWICH ST/MORTON ST***	***ENE 0 - 1/8 (0.100 mi.)***	***H61***	***247***
95 MORTON ST	***95 MORTON ST***	***ENE 0 - 1/8 (0.107 mi.)***	***H65***	***267***
148 BARROW STREET	***148 BARROW STREET***	***NNE 0 - 1/8 (0.108 mi.)***	***I66***	***269***
95 MORTON ST/MANHATTAN	***95 MORTON STREET***	***ENE 0 - 1/8 (0.108 mi.)***	***H70***	***281***
BARROW ST & WASHINGTON ST	***BARROW ST & WASHINGTON***	***NNE 0 - 1/8 (0.113 mi.)***	***I78***	***301***
DEE MANAGEMENT	***111 BARROW ST***	***NE 0 - 1/8 (0.123 mi.)***	***J85***	***329***
MANHOLE 36357	***MORTON ST & GREENICH ST***	***NE 0 - 1/8 (0.124 mi.)***	***J86***	***331***

Lower Elevation	Address	Direction / Distance	Map ID	Page
VAULT 426	***344 WEST ST***	***NW 0 - 1/8 (0.005 mi.)***	***A9***	***51***
330 WEST STREET	***330 WEST STREET***	***W 0 - 1/8 (0.006 mi.)***	***A10***	***55***

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RVR SOUTH PIER 40	*HUDSON RVR SOUTH PIER 4*	*SW 0 - 1/8 (0.011 mi.)*	*A13*	*60*
HUDSON RIVER - PIER 40	*WEST SIDE HIGHWAY*	*SW 0 - 1/8 (0.021 mi.)*	*A22*	*92*
ROADWAY EXPRESS TERMINAL	*PIER 40 NORTH RIVER*	*SW 0 - 1/8 (0.021 mi.)*	*A23*	*95*
PIER 40 / HOLLAND TUNNEL	*PIER 40 / HOLLAND TUNNE*	*SW 0 - 1/8 (0.021 mi.)*	*A24*	*97*
STATE PROJECT 9A	*WEST ST & MORTON ST*	*N 0 - 1/8 (0.058 mi.)*	*E39*	*142*
MORTON ST-GREENWICH VILL.	*PIER 42 -MORTON ST*	*NW 0 - 1/8 (0.075 mi.)*	*41*	*150*

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 02/12/2013 has revealed that there are 35 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YELLOW FREIGHT SYSTEM INC	*149 LEROY ST*	*ENE 0 - 1/8 (0.022 mi.)*	*B25*	*100*
FEDERAL EXPRESS CORP	*148 LEROY ST*	*ENE 0 - 1/8 (0.030 mi.)*	*B27*	*118*
PIER 40 OPERATING LLC	*WEST & W HOUSTON ST*	*SSW 0 - 1/8 (0.056 mi.)*	*D35*	*137*
MERRILL LYNCH & CO	*570 WASHINGTON ST*	*SSE 0 - 1/8 (0.061 mi.)*	*C40*	*146*
FINISH RESOURCE	*95 MORTON ST 7TH FLOOR*	*ENE 0 - 1/8 (0.108 mi.)*	*H68*	*277*
MAGIC NOVELTY CO INC	*95 MORTON ST*	*ENE 0 - 1/8 (0.108 mi.)*	*H69*	*280*
EAGLE ENVELOPE CO	*95 MORTON ST FLOOR 2*	*ENE 0 - 1/8 (0.108 mi.)*	*H71*	*286*
LUCENT TECHNOLOGIES INC	*395 HUDSON ST*	*ESE 1/8 - 1/4 (0.153 mi.)*	*M102*	*372*
TIMOTHY DUFFY CO	*447 HUDSON ST*	*ENE 1/8 - 1/4 (0.159 mi.)*	*L104*	*378*
CON ED - V 4355	*366 HUDSON ST*	*ESE 1/8 - 1/4 (0.166 mi.)*	*M105*	*379*
TISHMAN SPEYER PROPERTIES	*375 HUDSON ST*	*SE 1/8 - 1/4 (0.177 mi.)*	*O110*	*388*
QUAD GRAPHICS	*375 HUDSON ST - NE COR*	*SE 1/8 - 1/4 (0.177 mi.)*	*O112*	*392*
V1289	*284 W HOUSTON STREET*	*ESE 1/8 - 1/4 (0.190 mi.)*	*M121*	*421*
NEW ARCHIVE CLEANERS	*670 GREENWICH ST*	*NE 1/8 - 1/4 (0.200 mi.)*	*T128*	*438*
GREENSPAN & KUSHLIN ENGRAVIN	*333 FAIRCHILD AVE*	*SE 1/8 - 1/4 (0.206 mi.)*	*O131*	*451*
LYNN ART	*333 HUDSON ST - 8TH FLO*	*SE 1/8 - 1/4 (0.206 mi.)*	*O132*	*472*
GERSON OFFSET LITHOGRAPHY INC	*333 HUDSON ST 2ND FLR*	*SE 1/8 - 1/4 (0.206 mi.)*	*O133*	*473*
NEW ARCHIVE CLEANERS	*666 GREENWICH ST*	*NE 1/8 - 1/4 (0.215 mi.)*	*T140*	*487*
PARISH OF TRINITY CHURCH	*345 HUDSON ST*	*SE 1/8 - 1/4 (0.216 mi.)*	*O144*	*499*
BOWNE OF NYC INC - 345 HUDSON	*345 HUDSON STREET*	*SE 1/8 - 1/4 (0.216 mi.)*	*O145*	*506*
BOWNE BUSINESS COMMUNICATIONS	345 HUDSON ST 3RD FL	SE 1/8 - 1/4 (0.216 mi.)	O146	511
DOVER AUTO BODY	*296 W 10TH ST*	*NNE 1/8 - 1/4 (0.218 mi.)*	*V149*	*513*
NEW YORK TELEPHONE	*84 KING ST*	*SE 1/8 - 1/4 (0.222 mi.)*	*Y157*	*533*
NYC DEP	91 CHARLTON ST	SE 1/8 - 1/4 (0.222 mi.)	X158	534
NYC BD OF ED - PUBLIC SCHOOL 3	*490 HUDSON ST*	*NE 1/8 - 1/4 (0.229 mi.)*	*W165*	*549*
NYC PUBLIC LIBRARY - HUDSON PA	*66 LEROY ST*	*E 1/8 - 1/4 (0.230 mi.)*	*Z170*	*559*
PORT AUTH TRANS HUDSON CO SUB	*SUB 1 CHRISTOPHER GREEN*	*NE 1/8 - 1/4 (0.232 mi.)*	*T171*	*561*
V0508	*866 WASHINGTON AVENUE*	*S 1/8 - 1/4 (0.236 mi.)*	*182*	*581*
BELL ATLANTIC GLOBAL NETWORKS	*325 HUDSON STREET*	*SSE 1/8 - 1/4 (0.239 mi.)*	*X184*	*584*
CORPORATE PRINTING CO	*225 VARICK ST - 12TH FL*	*ESE 1/8 - 1/4 (0.242 mi.)*	*S187*	*609*
MEDICONE	*225 VARICK ST - 11TH FL*	*ESE 1/8 - 1/4 (0.242 mi.)*	*S189*	*617*
MERRILL CORP	*225 VARICK ST 8TH FLOOR*	*ESE 1/8 - 1/4 (0.242 mi.)*	*S190*	*619*
CON EDISION - VO4967	*221 VARICK ST 221 VARIC*	*ESE 1/8 - 1/4 (0.243 mi.)*	*S191*	*620*
FEDERAL BUILDING / GSA	*201 VARICK ST*	*ESE 1/8 - 1/4 (0.244 mi.)*	*AB194*	*635*

EXECUTIVE SUMMARY

Lower Elevation	Address	Direction / Distance	Map ID	Page
TOSCHA AUTO REPAIR	***400 WEST ST***	***N 1/8 - 1/4 (0.216 mi.)***	***Q142***	***489***

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 10/01/2012 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.081 mi.)***	***0***	***8***

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 02/27/2012 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.081 mi.)***	***0***	***8***

NY HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there is 1 NY HSWDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
US DEPT OF HOMELAND SECURITY	***201 VARICK STREET***	***ESE 1/8 - 1/4 (0.244 mi.)***	***AB193***	***622***

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 11/01/2012 has revealed that there are 40 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FEDERAL EXPRESS CORP	***148 LEROY ST***	***ENE 0 - 1/8 (0.030 mi.)***	***B27***	***118***
PIER 40 OPERATING LLC	***WEST & W HOUSTON ST***	***SSW 0 - 1/8 (0.056 mi.)***	***D35***	***137***
CONSOLIDATED EDISON	W HOUSTON ST & WEST ST	SSW 0 - 1/8 (0.057 mi.)	D38	141
MERRILL LYNCH & CO	***570 WASHINGTON ST***	***SSE 0 - 1/8 (0.061 mi.)***	***C40***	***146***
ENTERPRISE PRESS	***627 GREENWICH STREET***	***ENE 0 - 1/8 (0.091 mi.)***	***H56***	***186***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
UNITED PARCEL SERVICE	***325 W HOUSTON ST***	***SE 0 - 1/8 (0.094 mi.)***	***G58***	***216***
CONSOLIDATED EDISON	V6360-75 MORTON ST	ENE 0 - 1/8 (0.102 mi.)	H62	250
FINISH RESOURCE	***95 MORTON ST 7TH FLOOR***	***ENE 0 - 1/8 (0.108 mi.)***	***H68***	***277***
EAGLE ENVELOPE CO	***95 MORTON ST FLOOR 2***	***ENE 0 - 1/8 (0.108 mi.)***	***H71***	***286***
CON ED-V5931	125 BARROW ST	NNE 0 - 1/8 (0.111 mi.)	I75	298
TECHNICOLOR EAST COAST INC	110 LEROY ST	E 0 - 1/8 (0.123 mi.)	K84	316
NYS OFFICE OF MR&DD METRO NY D	75 MORTON ST	ENE 1/8 - 1/4 (0.146 mi.)	L92	341
R S ROSENBAUM & CO INC	***435 HUDSON ST***	***ENE 1/8 - 1/4 (0.152 mi.)***	***K99***	***360***
NYC DISTRICT OF CARPENTERS PEN	395 HUDSON ST	ESE 1/8 - 1/4 (0.153 mi.)	M100	367
CON ED - V 4355	***366 HUDSON ST***	***ESE 1/8 - 1/4 (0.166 mi.)***	***M105***	***379***
SAACYTHIC AND SAACYTHIC	***375 HUDSON ST***	***SE 1/8 - 1/4 (0.177 mi.)***	***O111***	***390***
QUAD GRAPHICS	***375 HUDSON ST - NE COR***	***SE 1/8 - 1/4 (0.177 mi.)***	***O112***	***392***
CONSOLIDATED EDISON	160 CHRISTOPHER ST.	NNE 1/8 - 1/4 (0.178 mi.)	N114	401
HUDSON DRY CLEANERS INCORPORAT	***462 HUDSON STREET***	***ENE 1/8 - 1/4 (0.184 mi.)***	***P119***	***415***
V1289	***284 W HOUSTON STREET***	***ESE 1/8 - 1/4 (0.190 mi.)***	***M121***	***421***
NEW ARCHIVE CLEANERS	***670 GREENWICH ST***	***NE 1/8 - 1/4 (0.200 mi.)***	***T128***	***438***
GREENSPAN & KUSHLIN ENGRAVIN	***333 FAIRCHILD AVE***	***SE 1/8 - 1/4 (0.206 mi.)***	***O131***	***451***
PARISH OF TRINITY CHURCH	***345 HUDSON ST***	***SE 1/8 - 1/4 (0.216 mi.)***	***O144***	***499***
DOVER AUTO BODY	***296 W 10TH ST***	***NNE 1/8 - 1/4 (0.218 mi.)***	***V149***	***513***
CONSOLIDATED EDISON	***72 BARROW ST.***	***ENE 1/8 - 1/4 (0.223 mi.)***	***P159***	***536***
NYC BD OF ED - PUBLIC SCHOOL 3	***490 HUDSON ST***	***NE 1/8 - 1/4 (0.229 mi.)***	***W165***	***549***
CONSOLIDATED EDISON	491 HUDSON ST.	NE 1/8 - 1/4 (0.230 mi.)	W167	554
NYC PUBLIC LIBRARY - HUDSON PA	***66 LEROY ST***	***E 1/8 - 1/4 (0.230 mi.)***	***Z170***	***559***
PORT AUTH TRANS HUDSON CO SUB	***SUB 1 CHRISTOPHER GREEN***	***NE 1/8 - 1/4 (0.232 mi.)***	***T171***	***561***
CONSOLIDATED EDISON	135 CHRISTOPHER ST.	NE 1/8 - 1/4 (0.235 mi.)	T180	577
V0508	***866 WASHINGTON AVENUE***	***S 1/8 - 1/4 (0.236 mi.)***	***182***	***581***
BELL ATLANTIC GLOBAL NETWORKS	***325 HUDSON STREET***	***SSE 1/8 - 1/4 (0.239 mi.)***	***X184***	***584***
CORPORATE PRINTING CO	***225 VARICK ST - 12TH FL***	***ESE 1/8 - 1/4 (0.242 mi.)***	***S187***	***609***
CON EDISION - VO4967	***221 VARICK ST 221 VARIC***	***ESE 1/8 - 1/4 (0.243 mi.)***	***S191***	***620***
US DEPT OF HOMELAND SECURITY	***201 VARICK STREET***	***ESE 1/8 - 1/4 (0.244 mi.)***	***AB193***	***622***
CONSOLIDATED EDISON	222 VARICK ST	ESE 1/8 - 1/4 (0.247 mi.)	S200	660
MEMPHIS CLEANERS INC.	***679 WASHINGTON ST***	***NNE 1/8 - 1/4 (0.250 mi.)***	***V204***	***665***

Lower Elevation	Address	Direction / Distance	Map ID	Page
BLOOMBERG DATA CENTER	340 WEST ST	NW 0 - 1/8 (0.005 mi.)	A6	43
ONDEO NALCO CO	***330 WEST ST***	***W 0 - 1/8 (0.005 mi.)***	***A8***	***47***
CONSOLIDATED EDISON	357 WEST 87TH STREET	WNW 0 - 1/8 (0.020 mi.)	A16	69

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 11/01/2012 has revealed that there are 2 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
U.P.S.	325 W HOUSTON ST	SE 0 - 1/8 (0.091 mi.)	G54	181
US DEPARTMENT OF ENERGY	201 VARICK STREET	ESE 1/8 - 1/4 (0.244 mi.)	AB195	638

EXECUTIVE SUMMARY

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 06/20/2012 has revealed that there are 5 NY DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SLATE NYC INC	96 MORTON STREET	ENE 0 - 1/8 (0.105 mi.)	H63	251
PRINTING HOUSE VALET	421 HUDSON ST	E 1/8 - 1/4 (0.141 mi.)	K89	338
HUDSON DRY CLEANERS INCORPORAT	***462 HUDSON STREET***	***ENE 1/8 - 1/4 (0.184 mi.)***	***P119***	***415***
NEW ARCHIVE/GREAT AMRICN DRYCL	668 GREENWICH STREET	NE 1/8 - 1/4 (0.217 mi.)	T147	513
MEMPHIS CLEANERS	679 WASHINGTON ST.	NNE 1/8 - 1/4 (0.250 mi.)	V203	665

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 10/11/2012 has revealed that there are 4 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 28,TAXBLOCK 602	601 WASHINGTON STREET	ENE 0 - 1/8 (0.047 mi.)	B31	133
LOT 85,TAXBLOCK 602	621 GREENWICH STREET	ENE 0 - 1/8 (0.082 mi.)	F45	159
LOT 55,TAXBLOCK 602	623 GREENWICH STREET	ENE 0 - 1/8 (0.085 mi.)	F51	174
LOT 83,TAXBLOCK 602	111 LEROY STREET	E 0 - 1/8 (0.121 mi.)	F80	306

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there is 1 EDR MGP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - CANAL ST. WORKS M	CANAL STREET	SE 1/2 - 1 (0.946 mi.)	259	862

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station,

service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 12 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	160 LEROY ST	ENE 0 - 1/8 (0.015 mi.)	A14	63
Not reported	601 WASHINGTON ST	ENE 0 - 1/8 (0.047 mi.)	B32	135
Not reported	575 WASHINGTON ST	SE 0 - 1/8 (0.053 mi.)	C33	135
Not reported	144 BARROW ST	NNE 0 - 1/8 (0.109 mi.)	I74	298
Not reported	24 CLARKSON ST	ESE 1/8 - 1/4 (0.167 mi.)	M107	384
Not reported	81 BARROW ST	ENE 1/8 - 1/4 (0.205 mi.)	P129	449
Not reported	666 WASHINGTON ST	NNE 1/8 - 1/4 (0.217 mi.)	V148	513
Not reported	1 7TH AVE S	E 1/8 - 1/4 (0.244 mi.)	S197	654

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	350 WEST ST	NNW 0 - 1/8 (0.005 mi.)	A5	42
Not reported	356 WEST ST	NNW 0 - 1/8 (0.006 mi.)	A12	60
Not reported	399 WEST ST	N 1/8 - 1/4 (0.209 mi.)	Q136	482
Not reported	400 WEST ST	N 1/8 - 1/4 (0.216 mi.)	Q141	489

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 8 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	183 CHRISTOPHER ST	N 1/8 - 1/4 (0.146 mi.)	I90	339
Not reported	137 KING ST	SE 1/8 - 1/4 (0.168 mi.)	O108	384
Not reported	462 HUDSON ST	ENE 1/8 - 1/4 (0.184 mi.)	P118	414
Not reported	666 GREENWICH ST	NE 1/8 - 1/4 (0.215 mi.)	T139	487
Not reported	670 GREENWICH ST	NE 1/8 - 1/4 (0.219 mi.)	T150	516
Not reported	45 GROVE CT	ENE 1/8 - 1/4 (0.243 mi.)	W192	622
Not reported	679 WASHINGTON ST	NNE 1/8 - 1/4 (0.250 mi.)	V202	664

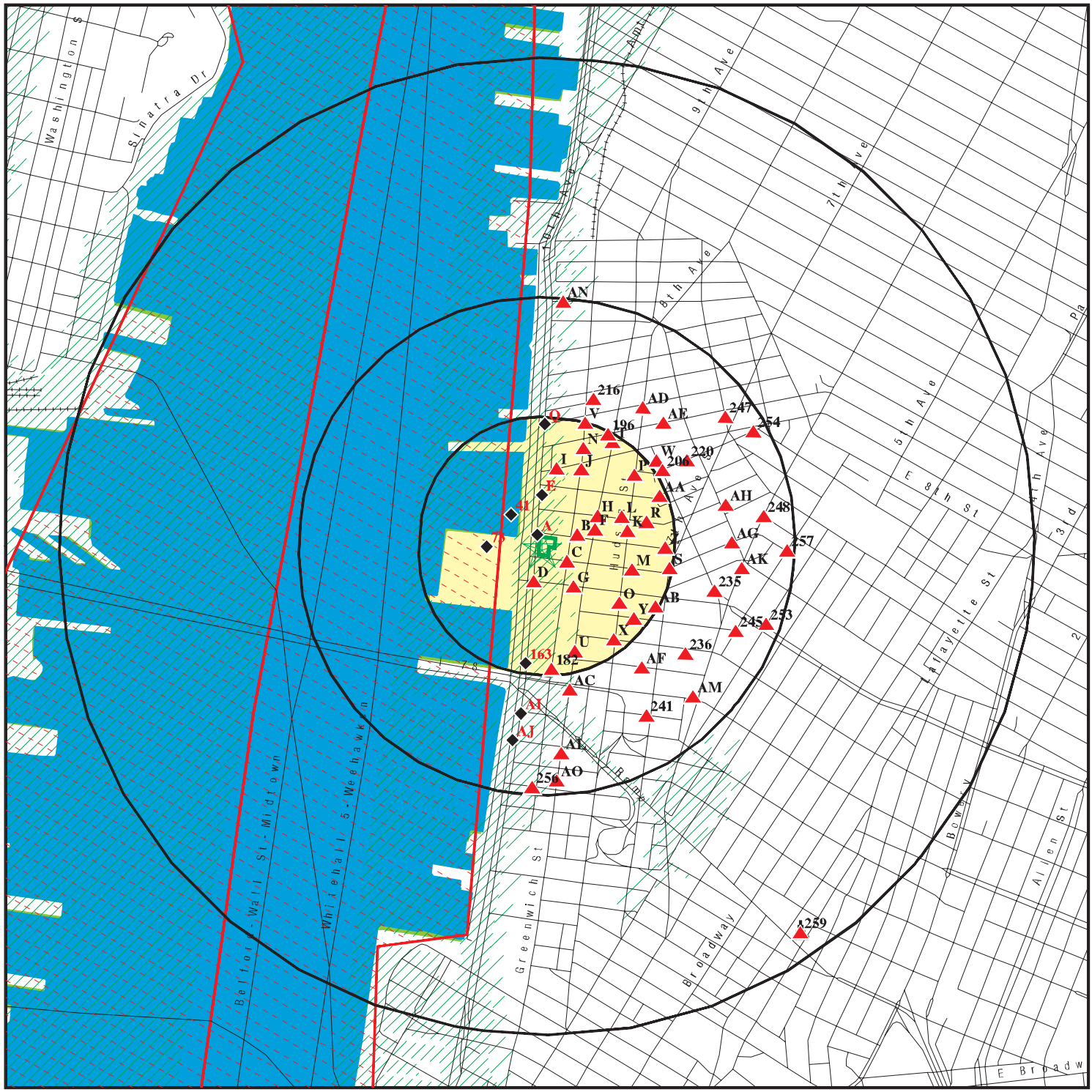
Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	404 WEST ST	N 1/8 - 1/4 (0.235 mi.)	Q177	574

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
ALBEE SERVICES INC	CERCLIS-NFRAP,ENG
FERGUSON PROPELLER INC	BROWNFIELDS,UST,ENG
	CONTROLS,VCP,HWS,INST CONTROL
MUNICIPAL GARAGE	BROWNFIELDS,UST,INST CONTROL,HWS
STAHL SOAP CORP	FINDS,UST,MANIFEST,MANIFEST,FINANCIAL ASSURANCE,HW
CONSOLIDATED EDISON	MANIFEST
BELL ATLANTIC NY	MANIFEST
NYCDOT	FINDS,RCRA-NLR,MANIFEST
BELL ATLANTIC NY	MANIFEST
NYC DOT	RCRA-SQG,MANIFEST,MANIFEST,FINDS
CONSOLIDATED EDISON	FINDS,RCRA-NLR,MANIFEST
SUN REFINING & MARKETING COMPANY	FINDS,MANIFEST,RCRA-NLR
NYSDOT RT 9A RECONS PROJ SEGMENT	FINDS,RCRA-NLR,MANIFEST
MEGA ART	FINDS,RCRA-NLR,MANIFEST
CONSOLIDATED EDISON COMPANY OF NEW	FINDS,RCRA-NLR,MANIFEST
HOBOKEN TANK LINES INC	FINDS,UST,RCRA-NLR,HWS,BROWNFIELDS
SUNOCO STATION (CAVANT)	AST
NJ TRANSIT HOBOKEN	FINDS,RCRA-NLR
CON EDISON	RCRA-NLR
59TH GENERATION STATION	SPILLS
SUNOCO STATION (CAVANT)	HIST UST

OVERVIEW MAP - 3540659.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

County Boundary

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: West & Leroy	CLIENT: Langan Engineering, Inc.
ADDRESS: 355-359 West Street and 156 Leroy Street New York NY 10014	CONTACT: Gregory Wyka INQUIRY #: 3540659.2s
LAT/LONG: 40.7301 / 74.0102	DATE: March 11, 2013 4:47 pm

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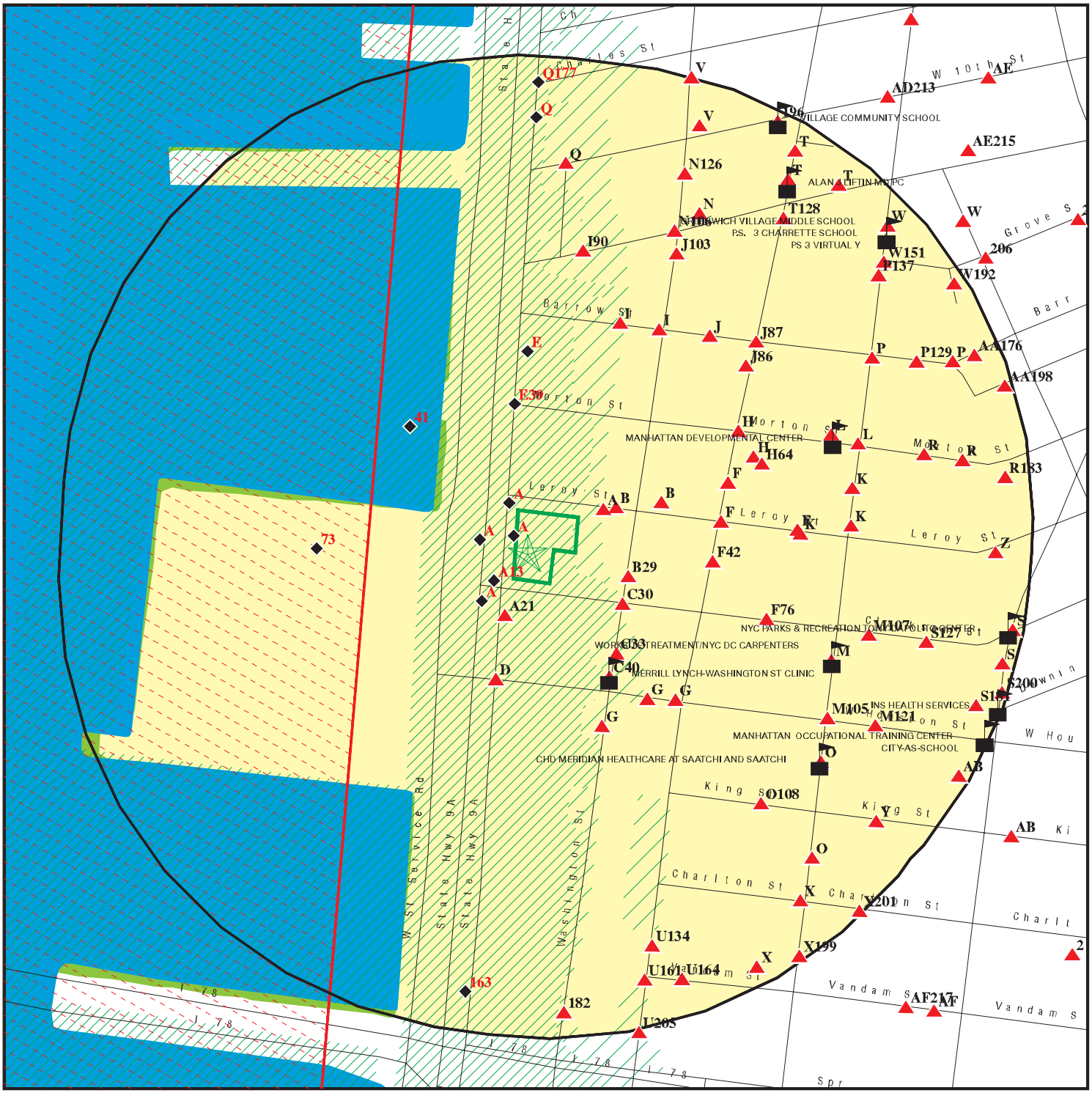
DETAIL MAP - 3540659.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: West & Leroy	CLIENT: Langan Engineering, Inc.
ADDRESS: 355-359 West Street and 156 Leroy Street New York NY 10014	CONTACT: Gregory Wyka
LAT/LONG: 40.7301 / 74.0102	INQUIRY #: 3540659.2s
	DATE: March 11, 2013 4:48 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		1	0	1	NR	NR	2
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	1	0	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		1	4	NR	NR	NR	5
RCRA-SQG	0.250		4	4	NR	NR	NR	8
RCRA-CESQG	0.250		2	6	NR	NR	NR	8
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROL	0.500		1	0	0	NR	NR	1
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	0	NR	0
NJ SHWS	1.000		0	0	0	0	NR	0
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	1	NR	NR	1
NJ SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
NY LTANKS	0.500		5	6	42	NR	NR	53

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY HIST LTANKS	0.500		4	3	38	NR	NR	45
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
NY TANKS	0.250		0	2	NR	NR	NR	2
NY UST	0.250		8	2	NR	NR	NR	10
NJ UST	0.250		0	0	NR	NR	NR	0
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		13	30	NR	NR	NR	43
NY CBS AST	0.250		1	1	NR	NR	NR	2
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		1	1	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		0	0	0	NR	NR	0
NJ ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		0	0	0	NR	NR	0
NJ INST CONTROL	0.500		0	0	0	NR	NR	0
NY RES DECL	0.125		0	NR	NR	NR	NR	0
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
NJ VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		0	0	1	NR	NR	1
NJ BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		1	0	1	NR	NR	2
NY SWTIRE	0.500		0	0	0	NR	NR	0
NJ SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		6	5	NR	NR	NR	11
NY HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
NJ LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		29	NR	NR	NR	NR	29
NY Hist Spills	0.125		21	NR	NR	NR	NR	21
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		7	28	NR	NR	NR	35
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		1	0	0	0	NR	1
ROD	1.000		1	0	0	0	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	1	0	NR	NR	1
NY UIC	TP		NR	NR	NR	NR	NR	0
NJ UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250		14	26	NR	NR	NR	40
NJ MANIFEST	0.250		1	1	NR	NR	NR	2
NY DRYCLEANERS	0.250		1	4	NR	NR	NR	5
NJ DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY NPDES	TP		NR	NR	NR	NR	NR	0
NJ NPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125		4	NR	NR	NR	NR	4
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NJ COAL ASH	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
NJ Financial Assurance	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	1	NR	1
EDR US Hist Auto Stat	0.250	2	6	6	NR	NR	NR	14
EDR US Hist Cleaners	0.250		0	8	NR	NR	NR	8

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target Property
Actual: 7 ft.

358 WEST ST
NEW YORK, NY 10014

EDR US Hist Auto Stat **1015447026**
N/A

Site 1 of 24 in cluster A

EDR Historical Auto Stations:

Name:	VILLAGE TWENTY FOUR HOUR AUTOMOBILE
Year:	2011
Address:	358 WEST ST
Name:	VILLAGE TWENTY FOUR HOUR AUTOMOBILE
Year:	2012
Address:	358 WEST ST

A2
Target Property
Actual: 7 ft.

359 WEST ST
NEW YORK, NY 10014

EDR US Hist Auto Stat **1015447336**
N/A

Site 2 of 24 in cluster A

EDR Historical Auto Stations:

Name:	VILLAGE CAR WASH & LUBE
Year:	1999
Address:	359 WEST ST
Name:	VILLAGE CAR WASH & LUBE
Year:	2000
Address:	359 WEST ST

NPL
Region West
< 1/8
426 ft.

HUDSON RIVER PCBS
NO STREET APPLICABLE
HUDSON RIVER, NY 12801

NPL **1000384273**
CERCLIS **NYD980763841**
RCRA-LQG
US ENG CONTROLS
US INST CONTROL
CONSENT
ROD
FINDS
NY HIST LTANKS
NY Spills
PRP

NPL:

EPA ID:	NYD980763841
EPA Region:	02
Federal:	N
Final Date:	1984-09-21 00:00:00

Category Details:

NPL Status:	Currently on the Final NPL
Category Description:	Depth To Aquifer-<= 10 Feet
Category Value:	0
NPL Status:	Currently on the Final NPL
Category Description:	Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value:	10

HUDSON RIVER PCBS (Continued) **1000384273**

Site Details:

Site Name:	HUDSON RIVER PCBS
Site Status:	Final
Site Zip:	12801
Site City:	HUDSON RIVER
Site State:	NY
Federal Site:	No
Site County:	WASHINGTON
EPA Region:	02
Date Proposed:	09/08/83
Date Deleted:	Not reported
Date Finalized:	09/21/84

Substance Details:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
Substance:	Not reported
CAS #:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	A046
Substance:	POLYCHLORINATED BIPHENYLS
CAS #:	1336-36-3
Pathway:	AIR PATHWAY
Scoring:	4

NPL Status:	Currently on the Final NPL
Substance ID:	A046
Substance:	POLYCHLORINATED BIPHENYLS
CAS #:	1336-36-3
Pathway:	SURFACE WATER PATHWAY
Scoring:	4

Summary Details:

Conditions at listing September 1983): The Hudson River PCBs Site is a 40-mile stretch of the Hudson River between Mechanicville and Fort Edward, New York. General Electric Co. discharged an estimated l.l million pounds of PCBs into this stretch of river. The State has identified 40 hot spots, defined as sediments contaminated with greater than 50 parts per million ppm) of PCBs. Also included in the site are five remnant areas, which are river sediments exposed when thelevel of the river was lowered due to removal of the Fort Edward Dam. The State has taken initial measures to stabili e the remnant areas from erosion. In September 1980, Congress passed an amendment to the Clean Water Act CWA) that included the Hudson River PCB Reclamation Demonstration Project. Under this legislation, the EPA Administrator could authori e a 75 percent grant, not to exceed 20 million. EPA issued a final Environmental Impact Statement in October 1982 evaluating various dredging alternatives for a demonstration project. EPA has prepared a feasibility study to evaluate alternative remedial actions under CERCLA. The Administrator has determined that CERCLA funds may be used for remedial action atthe remnant areas and for evaluating the effectiveness of the water supply system at Waterford, New York. Status June 1984): EPA has completed a draft feasibility study identifying alternatives for remedial action. A search for partiespotentially responsible for wastes associated with the site

HUDSON RIVER PCBS (Continued) **1000384273**

has been completed, and EPA has sent letters to two potentially responsible parties notifying them of possible legal action under CERCLA.

Site Status Details:

NPL Status:	Final
Proposed Date:	09/08/1983
Final Date:	09/21/1984
Deleted Date:	Not reported

Narratives Details:

NPL Name:	HUDSON RIVER PCBS
City:	HUDSON RIVER
State:	NY

CERCLIS:

Site ID:	0202229
EPA ID:	NYD980763841
Facility County:	WASHINGTON
Short Name:	HUDSON RIVER PCBS
Congressional District:	20
IFMS ID:	0284
SMSA Number:	2975
USGC Hydro Unit:	02020003
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	02
Classification:	Waterways/Creeks/Rivers
Site Settings Code:	SU
NPL Status:	Currently on the Final NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Not reported
Non NPL Status Date:	Not reported
Site Fips Code:	36115
CC Concurrence Date:	Not reported
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	13000744.00000
Contact Name:	BENNY CONETTA
Contact Tel:	(212) 637-3030
Contact Title:	Remedial Project Manager (RPM)
Contact Email:	CONETTA.BENNY@EPA.GOV
Contact ID:	13002796.00000

HUDSON RIVER PCBS (Continued) **1000384273**

Contact Name: JENNIFER LAPOMA
Contact Tel: (212) 637-4328
Contact Title: Remedial Project Manager (RPM)
Contact Email: Not reported

CERCLIS Site Alias Name(s):
Alias ID: 101
Alias Name: HUDSON RIVER PCBS
Alias Address: Not reported
WARREN, NY
Alias ID: 102
Alias Name: HUDSON RIVER PCBS
Alias Address: NO STREET APPLICABLE
NO CITY APPLICABLE, NY 12801
Alias ID: 103
Alias Name: HUDSON RIVER PCBS
Alias Address: NO STREET APPLICABLE
HUDSON RIVER, NY 12801
Alias Comments: Not reported
Site Description: The Hudson River PCBs Site includes a nearly 200 river-mile stretch of the Hudson River in eastern New York State from the Village of Hudson Falls to the Battery in New York City. The Hudson River has been designated an American Heritage River because of its important role in American history and culture. This federal Superfund Record of Decision (ROD) addresses the risks to people and ecological receptors associated with polychlorinated biphenyls (PCBs) in the in-place sediments of the Upper Hudson River. The Site is divided into the Upper Hudson River which is the length of river between Hudson Falls and the Federal Dam at Troy, New York and the Lower Hudson River which is the length of river between Federal Dam at Troy and the Battery. For purposes of this project, EPA further divided the Upper Hudson River area into three main sections known as River Section 1, River Section 2, and River Section 3. The Site also includes five Remnant Deposits, which are areas of PCB-contaminated sediment that became exposed after the river water level dropped following removal of the Fort Edward Dam in 1973. The Upper Hudson River portion of the Site extends from the Fenimore Bridge in Hudson Falls to the Federal Dam at Troy, a distance of just over 43 river miles. The Lower Hudson River extends from the Federal Dam to the southern tip of Manhattan at the Battery in New York City. The Mid-Hudson River, which is primarily a subset of the Lower Hudson River, extends from the Federal Dam at Troy to just south of Poughkeepsie. The predominant sources of PCB contamination to the Upper Hudson River were two capacitor manufacturing plants owned and operated by GE. The plants are located adjacent to or near the Hudson River in the Village of Hudson Falls and the Town of Fort Edward. Over a 30-year period, the plants discharged a substantial amount of PCBs into the river. At the GE Hudson Falls plant, leakage of non-aqueous phase PCB-bearing oils through bedrock to the river continues to be a source of PCB contamination. Regarding the former outfall to the Hudson River from the GE Fort Edward plant, New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision in January 2000 that calls for the excavation of PCB-contaminated soil and sediment in this area of the Upper Hudson River shoreline in order to eliminate this source of PCBs to the river. EPA's analysis assumes a significantly reduced PCB loading to the river from these sources once the State's plans for remediation are implemented. PCBs, the chemicals of concern addressed in this decision document, have been classified by EPA as probable human carcinogens. They are also linked to other serious non- cancer adverse health effects based on observations in animals and emerging evidence in humans. Once discharged from the GE plants, the PCBs adhered to river

HUDSON RIVER PCBS (Continued) **1000384273**

sediment and accumulated downstream as they settled in impounded pools and other depositional areas. Historic fish and sediment data indicated PCBs were accumulating downstream of the old Fort Edward Dam as well as accumulating behind the dam. The removal of the dam in 1973 resulted in a remobilization and downstream distribution of PCBs that had accumulated behind the dam. Historically, the highest PCB sediment concentrations have been detected in the cohesive sediments within the Upper Hudson River. River scouring/ erosion and other mechanisms have mobilized PCB- contaminated sediments from the extensive cohesive deposits, redepositing them farther downstream all the way to the Battery. The preponderance of data indicates that burial of contaminated sediment by cleaner materials is not universally or uniformly occurring. Data also indicate that contaminated sediments in River Sections 1, 2 and 3 continue to serve as the major source of PCBs to the water column and the fish within the Upper Hudson River. During an approximate 30-year period ending in 1977, PCBs were used in capacitor manufacturing operations Hudson Falls and Fort Edward, New York facilities. PCB oils were discharged both directly and indirectly from these plants into the Hudson River. This included both non-permitted and permitted discharges. Even after permits were received in 1975, permit exceedances occurred. Estimates of the total quantity of PCBs discharged directly from the two plants into the river from the 1940s to 1977 are as high as 1,330,000 pounds (about 605,000 kg). Many of the PCBs discharged to the river adhered to sediments and accumulated with the sediments as they settled in the impounded pool behind the Fort Edward Dam, as well as other depositional areas farther downstream. Because of its deteriorating condition, the Fort Edward Dam was removed in 1973. Five areas of PCB-contaminated sediments were exposed due to the lowering of the river water level when the Fort Edward Dam was removed. These five areas are known as the Remnant Deposits. During subsequent floods, PCB-contaminated sediments from the Fort Edward Dam area were scoured and transported downstream. EPA notified the company that had the two plants of the remedy selected in the 1984 ROD and offered the company the opportunity to implement the selected remedy with respect to the Remnant Deposits and the Waterford drinking water supply evaluation. The company declined EPA's offer. NYSDEC, with funding provided by EPA, conducted the evaluation at the Waterford Water Works. In addition, NYSDEC prepared a design for the in- place containment of the Remnant Deposits. This design was completed in 1988. In March 1989, the company offered to assume responsibility for the implementation of the in-place containment remedy for the Remnant Deposits. EPA issued a September 27, 1989 Administrative Order on Consent to the company which required the company to prepare a remedial design report for the construction of access roads to the Remnant Deposits and to submit a design for the in-place containment of the Remnant Deposits incorporating the NYSDEC-prepared design, plus any EPA-approved refinements to that design. EPA also issued a September 27, 1989 Administrative Order to the company requiring the company to construct and maintain the access roads to the Remnant Deposits. The company constructed the in-place containment of the Remnant Deposits under a 1990 Consent Decree with EPA. EPA will evaluate the need for further remedial action for the Remnant Deposits after completion of a 5-year review of the Remnant Deposit containment remedy, performed pursuant to CERCLA ?121(c). The company's manufacturing plants in Hudson Falls and Fort Edward are listed under the New York State Inactive Hazardous Waste Disposal Sites Remedial program. The company currently is conducting remedial activities near the Hudson Falls and Fort Edward plants pursuant to Orders on Consent with NYSDEC. The company has thus far declined to implement the January 2000 NYSDEC Record of Decision for the Fort Edward plant Outfall 004. The NYSDEC is conducting the remedial design for that ROD. As one of America's great rivers, the Hudson has played and will continue to play a major role in the history, culture, and economy of the area. The Hudson has been designated an

HUDSON RIVER PCBS (Continued) **1000384273**

American Heritage River because of its important role in American history and culture. Current and reasonably-anticipated future land use and surface water use are described below. Current land use includes a variety of residential, commercial and industrial activities. Use of the river and lands surrounding the river are projected to remain the same. At this time, no changes in future land use are known, nor are any new uses expected. The Site passes through 14 different counties as the river flows to its final discharge point in New York Harbor. Four counties (Albany, Washington, Rensselaer, and Saratoga) lie adjacent to the more highly contaminated portions (areas of proposed active remediation in River Sections 1, 2 and 3) of the Upper Hudson River between Troy (Federal Dam) and Hudson Falls. Within these four counties, forests and farmlands surround urban centers and historic villages. There are apple orchards and dairy farms, parks, nature preserves and gardens. In addition to the GE Hudson Falls and Fort Edward plants, the area is home to technology companies, oil service companies and food companies. Saratoga and Washington Counties have experienced population growth between 1990 and 1999 of 10.2 percent and 1.4 percent, respectively, while Rensselaer and Albany Counties have experienced population declines of 1.9 percent and 0.3 percent, respectively. Total population of these four counties, according to July 1999 estimates by the US Department of Commerce Bureau of the Census, is just under 700,000. Warren County, in which the City of Glens Falls is located, has a population of just over 60,000 and is just to the northwest of the Hudson River PCBs Site. A Record of Decision (ROD) addressing operable unit 1 (OU 01) was completed in September 1984. A Record of Decision addressing OU 2 was completed in February 2002.

CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	07/01/83
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	SITE INSPECTION
Date Started:	08/01/83
Date Completed:	09/01/83
Priority Level:	Higher priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Date Completed:	09/01/83
Priority Level:	Low priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started:	Not reported
Date Completed:	09/08/83
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started:	Not reported
Date Completed:	11/15/83
Priority Level:	Search Complete, Viable PRPs
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started:	Not reported
Date Completed:	09/21/84
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	03/30/84
Date Completed:	09/25/84
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING

HUDSON RIVER PCBS (Continued) **1000384273**

Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	09/25/84
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	10/27/83
Date Completed:	09/28/84
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	ADMINISTATIVE/VOLUNTARY COST RECOVERY
Date Started:	Not reported
Date Completed:	05/04/88
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	REMEDIAL DESIGN
Date Started:	02/02/89
Date Completed:	06/05/89
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Original Action Take Over

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	06/09/89
Date Completed:	09/27/89
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Alternate
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	06/09/89
Date Completed:	09/27/89
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	Not reported
Date Completed:	09/27/89
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	UNILATERAL ADMIN ORDER
Date Started:	Not reported
Date Completed:	09/27/89
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004

HUDSON RIVER PCBS (Continued) **1000384273**

Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	03/03/89
Date Completed:	04/06/90
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Alternate
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMEDIAL DESIGN
Date Started:	09/28/84
Date Completed:	05/18/90
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	State, Fund Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	Lodged By DOJ
Date Started:	Not reported
Date Completed:	05/18/90
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	CONSENT DECREE
Date Started:	04/06/90
Date Completed:	07/21/90
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Federal Enforcement
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMOVAL ASSESSMENT
Date Started:	04/17/90
Date Completed:	08/21/90
Priority Level:	Stabilized

HUDSON RIVER PCBS (Continued) **1000384273**

Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	09/27/89
Date Completed:	09/28/90
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS
Date Started:	03/12/90
Date Completed:	10/04/90
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Alternate
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	05/18/89
Date Completed:	01/07/91
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started:	10/13/89
Date Completed:	09/29/92
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started:	09/28/90
Date Completed:	09/29/92
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	REMOVAL ASSESSMENT
Date Started:	11/19/92
Date Completed:	12/01/92
Priority Level:	Stabilized
Operable Unit:	ROGER'S ISLAND
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	COMFORT/STATUS LETTER
Date Started:	Not reported
Date Completed:	11/02/98
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	REMOVAL ASSESSMENT
Date Started:	10/14/98
Date Completed:	01/07/99
Priority Level:	Not reported
Operable Unit:	ROGER'S ISLAND
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	REMOVAL ASSESSMENT
Date Started:	06/03/98

HUDSON RIVER PCBS (Continued) **1000384273**

Date Completed:	06/24/99
Priority Level:	Not reported
Operable Unit:	ROGER'S ISLAND
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	Public Notice Published
Date Started:	Not reported
Date Completed:	03/28/00
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMOVAL
Date Started:	10/06/99
Date Completed:	09/14/01
Priority Level:	Stabilized
Operable Unit:	ROGER'S ISLAND
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	07/25/90
Date Completed:	02/01/02
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	02/01/02
Priority Level:	Final Remedy Selected at Site
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: Special Notice Issued
Date Started: Not reported
Date Completed: 02/04/02
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: Special Notice Issued
Date Started: Not reported
Date Completed: 02/04/02
Priority Level: Not reported
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Special Notice Issued
Date Started: Not reported
Date Completed: 02/04/02
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 02/04/02
Date Completed: 07/23/02
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code:	002
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	Not reported
Date Completed:	07/23/02
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	006
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	07/23/02
Date Completed:	08/13/03
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	Not reported
Date Completed:	08/13/03
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	EXPANDED SITE INSPECTION/REMEDIAL INVESTIGATION
Date Started:	Not reported
Date Completed:	08/31/05
Priority Level:	Referred to Removal, no further Rmdl Asmt
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	007
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	02/04/02

HUDSON RIVER PCBS (Continued) **1000384273**

Date Completed:	09/06/05
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	TECHNICAL ASSISTANCE GRANT
Date Started:	09/29/95
Date Completed:	09/20/05
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	Lodged By DOJ
Date Started:	Not reported
Date Completed:	10/06/05
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	COMMUNITY INVOLVEMENT
Date Started:	03/25/02
Date Completed:	11/02/06
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Remedial
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	CONSENT DECREE
Date Started:	09/06/05
Date Completed:	11/02/06
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: UNILATERAL ADMIN ORDER
Date Started: Not reported
Date Completed: 03/29/07
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: STATE SUPPORT AGENCY COOPERATIVE AGREEMENT
Date Started: 02/22/91
Date Completed: 04/03/07
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL NEGOTIATIONS
Date Started: Not reported
Date Completed: 07/11/07
Priority Level: Not reported
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: Not reported
Date Completed: 07/11/07
Priority Level: Not reported
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started:	08/24/07
Date Completed:	08/27/07
Priority Level:	Cleaned up
Operable Unit:	SITEWIDE
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Emergency
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	08/14/03
Date Completed:	01/25/08
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Phased Start

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	SECTION 104(E) REF LITIGATION
Date Started:	09/27/07
Date Completed:	07/28/08
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	UNILATERAL ADMIN ORDER
Date Started:	Not reported
Date Completed:	09/05/08
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	UNILATERAL ADMIN ORDER
Date Started:	Not reported
Date Completed:	09/05/08

HUDSON RIVER PCBS (Continued) **1000384273**

Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS
Date Started:	02/04/02
Date Completed:	09/08/08
Priority Level:	Not reported
Operable Unit:	FLOODPLAINS OU
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	006
Action:	ADMINISTRATIVE ORDER ON CONSENT
Date Started:	Not reported
Date Completed:	09/08/08
Priority Level:	Not reported
Operable Unit:	FLOODPLAINS OU
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	005
Action:	UNILATERAL ADMIN ORDER
Date Started:	Not reported
Date Completed:	09/11/08
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	006
Action:	UNILATERAL ADMIN ORDER
Date Started:	Not reported
Date Completed:	10/14/08
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement

HUDSON RIVER PCBS (Continued) **1000384273**

Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	007
Action:	UNILATERAL ADMIN ORDER
Date Started:	Not reported
Date Completed:	02/03/09
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	REMEDIAL ACTION
Date Started:	05/09/08
Date Completed:	11/24/09
Priority Level:	Final RA Report
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Special Account Financed Action - EPA
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	REMEDIAL ACTION
Date Started:	12/04/08
Date Completed:	12/23/09
Priority Level:	Final RA Report
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	006
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	08/14/03
Date Completed:	04/26/11
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started:	09/11/07
Date Completed:	04/10/12
Priority Level:	Stabilized
Operable Unit:	FLOODPLAINS OU
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Time Critical
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	FIVE-YEAR REVIEW
Date Started:	Not reported
Date Completed:	06/01/12
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started:	09/06/05
Date Completed:	09/04/12
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	TECHNICAL ASSISTANCE
Date Started:	09/30/97
Date Completed:	Not reported
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	REMEDIAL DESIGN
Date Started:	02/15/02
Date Completed:	Not reported
Priority Level:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Special Account Financed Action - EPA
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Other Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code:	003
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	07/23/02
Date Completed:	Not reported
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Phased Start & Completion

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	TECHNICAL ASSISTANCE
Date Started:	07/08/03
Date Completed:	Not reported
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMEDIAL ACTION
Date Started:	01/19/07
Date Completed:	Not reported
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Special Account Financed Action - State
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Other Start and Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REAL PROPERTY ACQUISITION
Date Started:	02/15/08
Date Completed:	Not reported
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Not reported
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	09/08/08
Date Completed:	Not reported
Priority Level:	Not reported
Operable Unit:	FLOODPLAINS OU
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	TECHNICAL ASSISTANCE GRANT
Date Started:	11/17/09
Date Completed:	Not reported
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	004
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started:	12/31/10
Date Completed:	Not reported
Priority Level:	Not reported
Operable Unit:	REASSESSMENT RIVER
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:

Fed Register Date:	09/21/84
Fed Register Volume:	49
Page Number:	37070

Fed Register Date:	09/08/83
Fed Register Volume:	48
Page Number:	40674

Click this hyperlink while viewing on your computer to access
3035 additional US CERCLIS Financial: record(s) in the EDR Site Report.

RCRA-LQG:

Date form received by agency:	03/01/2012
Facility name:	GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Facility address:	446 LOCK 8 WAY HUDSON FALLS, NY 12839

HUDSON RIVER PCBS (Continued) **1000384273**

EPA ID:	NYD980763841
Mailing address:	BROADWAY, BLDG 40 FORT EDWARD, NY 12828
Contact:	ROBERT G GIBSON
Contact address:	BROADWAY, BLDG 40 FORT EDWARD, NY 12828
Contact country:	US
Contact telephone:	(518) 746-5253
Contact email:	BOB.GIBSON@GE.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	GENERAL ELECTRIC COMPANY
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	04/23/2007
Owner/Op end date:	Not reported
Owner/operator name:	SEE SECTION 11 COMMENTS
Owner/operator address:	Not reported NY
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	05/02/2007
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No

HUDSON RIVER PCBS (Continued) **1000384273**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/03/2010
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Classification: Large Quantity Generator

Date form received by agency: 08/29/2008
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) SUPERFUND USEPA
Classification: Large Quantity Generator

Date form received by agency: 01/01/2007
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: B002
Waste name: B002

Waste code: B007
Waste name: B007

Violation Status: No violations found

US ENG CONTROLS:
EPA ID: NYD980763841
Site ID: 0202229
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
HUDSON RIVER, NY 12801
EPA Region: 02
County: WASHINGTON
Event Code: Not reported
Actual Date: 12/30/01

Action ID: 001

HUDSON RIVER PCBS (Continued) **1000384273**

Action Name: RECORD OF DECISION
Action Completion date: 09/25/84
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Containment, (N.O.S.)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/84
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: No Action

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/84
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Revegetation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/84
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Slope Stabilization

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/02
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Dewatering

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/02
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Disposal

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/02
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Excavation

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/02
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Solidification/Stabilization (Ex-Situ)

Action ID: 002
Action Name: RECORD OF DECISION

HUDSON RIVER PCBS (Continued) **1000384273**

Action Completion date: 02/01/02
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Monitoring

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/02
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Natural Attenuation

US INST CONTROL:
EPA ID: NYD980763841
Site ID: 0202229
Name: HUDSON RIVER PCBS
Action Name: RECORD OF DECISION
Address: NO STREET APPLICABLE
HUDSON RIVER, NY 12801
EPA Region: 02
County: WASHINGTON
Event Code: Not reported
Inst. Control: Fishing Advisory
Actual Date: 12/30/2001
Complet. Date: 2/1/2002
Operable Unit: 02
Contaminated Media : Surface Water

CONSENT:
EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

ROD:
Full-text of USEPA Record of Decision(s) is available from EDR.

FINDS:

Registry ID: 110009302879

Environmental Interest/Information System
CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

HUDSON RIVER PCBS (Continued) **1000384273**

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

HIST LTANKS:

Region of Spill:	4
Spill Number:	8704920
Spill Date:	09/13/1987
Spill Time:	18:30
Spill Cause:	Tank Failure
Resource Affectd:	Surface Water
Water Affected:	HUDSON RIVER $
Spill Source:	Other Commercial/Industrial
Spill Class:	Not reported
Spill Closed Dt:	02/18/88
Cleanup Ceased:	10/15/87
Cleanup Meets Standard:	True
Investigator:	MCDONALD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	09/13/87
Reported to Department Time:	18:45
SWIS:	19
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	WANTON ISLAND INC.
Spiller Address:	PO BOX 119
Spiller City,St,Zip:	WEST CAMP, NY 12490
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(914) 246-2750
Facility Extention:	Not reported
Spill Notifier:	Citizen
PBS Number:	Not reported
Last Inspection:	09/13/87
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /

HUDSON RIVER PCBS (Continued) **1000384273**

UST Involvement: True
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/22/87
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 11/12/92
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 500
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 200
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: 02/18/88: COMPANY HIRED DOMERMUTH AFTER MCDONALD INITIATED CLEANUP.
Spill Cause: 275 GAL TANK LEAKING INTO CEMENTON RIVER AT EDGE OF HUDSON. MCDONALD WILL INVESTIGATE

SPILLS:
Facility ID: 0308107
DER Facility ID: 278391
Facility Type: ER
Site ID: 237813
DEC Region: 3
Spill Number: 0308107
Spill Date: 10/31/2003
Spill Cause: Abandoned Drums
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 10/31/2003
SWIS: 6000
Investigator: rxamato
Referred To: Not reported
Reported to Dept: 10/31/2003
CID: 297
Water Affected: HUDSON RIVER
Spill Source: Unknown
Spill Notifier: Federal Government
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False

HUDSON RIVER PCBS (Continued) **1000384273**

UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/31/2003
Spill Record Last Update:	11/6/2003
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	PETTY OFFFICER HAWKINS
Contact Phone:	(718) 354-4121
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SMITH"10/31/03: MEG hired by USCG to remove test and dispose. Container did not leak.
Remarks:	CALL TO NRC REPORTING A 55 GALLON DRUM OF UNKNOWN PETROLEUM FLOATING - USCG IS REPOSNDING TO THE SITE

Material:

Site ID:	237813
Operable Unit ID:	874400
Operable Unit:	01
Material ID:	501630
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

PRP:

PRP name:	DELAWARE AND HUDSON RAILWAY CO INC
	GENERAL ELECTRIC COMPANY
	GENERAL ELECTRIC COMPANY
	GENERAL ELECTRIC COMPANY
	GENERAL ELECTRIC COMPANY
	GENERAL ELECTRIC COMPANY
	GENERAL ELECTRIC COMPANY
	GENERAL ELECTRIC COMPANY
	GENERAL ELECTRIC COMPANY
	GOLUB PROPERTIES OF WATERVLIET INC
	NEW YORK STATE CANAL CORPORATION

HUDSON RIVER PCBS (Continued) **1000384273**

NIAGARA MOHAWK POWER COMPANY
TOWN OF HALFMOON NEW YORK
VILLAGE OF STILLWATER
WATER COMMISSIONERS OF THE TOWN OF WATERFORD

A3 **VAULT 329** **NY Spills** **S108057342**
NW **340 WEST STREET (BAY 37)** **N/A**
< 1/8 **MANHATTAN, NY**
0.001 mi.
7 ft. **Site 3 of 24 in cluster A**

Relative:
Lower

Actual:
6 ft.

SPILLS:

Facility ID:	0602720
DER Facility ID:	315413
Facility Type:	ER
Site ID:	365262
DEC Region:	2
Spill Number:	0602720
Spill Date:	6/11/2006
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	3/19/2007
SWIS:	3101
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	6/11/2006
CID:	74
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/11/2006
Spill Record Last Update:	3/19/2007
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ 10595
Spiller Company:	999
Contact Name:	ERT DESK'
Contact Phone:	(212) 580-8383
DEC Memo:	03/19/07 - See e-docs for Con Ed report detailing cleanup and closure.200513. see eDocs.
Remarks:	1 quarts of unknown oil on 8 gallons of watercleanup pending sample lab results ref 200513

Material:

Site ID:	365262
Operable Unit ID:	1123273
Operable Unit:	01
Material ID:	2112745
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM

VAULT 329 (Continued) **S108057342**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

A4 **350 WEST STREET** **NY UST** **U001831280**
NNW **350 WEST STREET** **NY HIST UST** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.005 mi.
28 ft. **Site 4 of 24 in cluster A**

Relative:
Lower

Actual:
6 ft.

UST:

Facility Id:	2-031925
Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Program Type:	PBS
Expiration Date:	N/A
UTM X:	583551.54235999996
UTM Y:	4509176.4660299998

Affiliation Records:

Site Id:	178
Affiliation Type:	Owner
Company Name:	EUGENE M GRANT & CO
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	277 PARK AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10172
Country Code:	001
Phone:	(212) 688-4700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	178
Affiliation Type:	Mail Contact

350 WEST STREET (Continued) **U001831280**

Company Name:	EUGENE M GRANT & CO
Contact Type:	Not reported
Contact Name:	ROBERT LEVIN
Address1:	277 PARK AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10172
Country Code:	001
Phone:	(212) 688-4700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	178
Affiliation Type:	On-Site Operator
Company Name:	350 WEST STREET
Contact Type:	Not reported
Contact Name:	EUGENE M GRANT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 929-5075
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	178
Affiliation Type:	Emergency Contact
Company Name:	EUGENE M GRANT & CO
Contact Type:	Not reported
Contact Name:	EUGENE M GRANT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 929-5075
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	178

Tank Number:	0E1
Tank ID:	813

350 WEST STREET (Continued) **U001831280**

Tank Status: Closed - In Place
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
I01 - Overfill - Float Vent Valve
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
F00 - Pipe External Protection - None
H04 - Tank Leak Detection - Groundwater Well
Install Date: 06/01/1978
Capacity Gallons: 4000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 07/01/1997
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

HIST UST:
PBS Number: 2-031925
SPDES Number: Not reported
Emergency Contact: EUGENE M GRANT
Emergency Telephone: (212) 929-5075
Operator: EUGENE M GRANT
Operator Telephone: (212) 929-5075
Owner Name: EUGENE M GRANT & CO
Owner Address: 277 PARK AVENUE
Owner City,St,Zip: NEW YORK, NY 10172
Owner Telephone: (212) 688-4700
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: EUGENE M GRANT & CO
Mailing Address: 277 PARK AVENUE
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10172
Mailing Contact: ROBERT LEVIN
Mailing Telephone: (212) 688-4700
Owner Mark: Second Owner
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2: 350 WEST STREET
SWIS ID: 6201
Old PBS Number: Not reported
Facility Type: TRUCKING/TRANSPORTATION
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Federal ID: Not reported
Certification Flag: False

350 WEST STREET (Continued) **U001831280**

Certification Date:	05/30/1997
Expiration Date:	02/04/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2
Tank Id:	0E1
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19780601
Capacity (gals):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Epoxy Liner
Pipe External:	Not reported
Second Containment:	Vault (w/access)
Leak Detection:	Groundwater Well
Overfill Prot:	Float Vent Valve
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	07/01/1997
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

A5 **EDR US Hist Auto Stat** **1015442356**
NNW **350 WEST ST** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.005 mi.
28 ft. **Site 5 of 24 in cluster A**

Relative:
Lower

Actual:
6 ft.

EDR Historical Auto Stations:

Name:	GWB TOWING & AUTO REPAIR
Year:	2010
Address:	350 WEST ST

A6 NW < 1/8 0.005 mi. 28 ft. | **BLOOMBERG DATA CENTER**
340 WEST ST
NEW YORK, NY 10014

Site 6 of 24 in cluster A

NY MANIFEST | **S109375600**
N/A

Relative: Lower

Actual: 6 ft.

NY MANIFEST:

EPA ID:	NYR000160366
Country:	USA
Mailing Name:	BLOOMBERG DATA CENTER
Mailing Contact:	GEORGE RODRIGUEZ
Mailing Address:	340 WEST ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	917-213-0909

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-12-11
Trans1 Recv Date:	2008-12-11
Trans2 Recv Date:	2008-12-17
TSD Site Recv Date:	2008-12-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000160366
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	227.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001565532SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported

BLOOMBERG DATA CENTER (Continued) **S109375600**

Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-17
Trans1 Recv Date:	2011-12-17
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004245569
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	Not reported
Quantity:	200.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	003207414FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

EPA ID:	NYP004245569
Country:	USA
Mailing Name:	CONED
Mailing Contact:	CONED
Mailing Address:	4 IRVING PLACE
Mailing Address 2:	15TH FLOOR
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	Not reported

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-12-11
Trans1 Recv Date:	2008-12-11
Trans2 Recv Date:	2008-12-17
TSD Site Recv Date:	2008-12-18
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

BLOOMBERG DATA CENTER (Continued) **S109375600**

Generator EPA ID:	NYR000160366
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD053348108
Waste Code:	Not reported
Quantity:	227.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001565532SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-17
Trans1 Recv Date:	2011-12-17
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-20
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004245569
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	Not reported
Quantity:	200.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	003207414FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported

BLOOMBERG DATA CENTER (Continued) **S109375600**

Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

A7
NW
< 1/8
0.005 mi.
28 ft.

BLOOMBERG DATA CENTER **RCRA-SQG** **1011863524**
340 WEST ST **NYR000160366**
NEW YORK, NY 10014

Site 7 of 24 in cluster A

Relative:
Lower

Actual:
6 ft.

RCRA-SQG:

Date form received by agency:	10/16/2008
Facility name:	BLOOMBERG DATA CENTER
Facility address:	340 WEST ST NEW YORK, NY 10014
EPA ID:	NYR000160366
Mailing address:	WEST ST NEW YORK, NY 10014
Contact:	ROBERT MISHLEN
Contact address:	WEST ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(201) 996-1100
Contact email:	RMISHLEN@LITESPEEDELECTRIC.NET
EPA Region:	02
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	BLOOMBERGH LP
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1980
Owner/Op end date:	Not reported

Owner/operator name:	LITESPEED ELECTRIC INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/01/2008
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

BLOOMBERG DATA CENTER (Continued) **1011863524**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	Lamps
Accumulated waste on-site:	Yes
Generated waste on-site:	Not reported

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Universal Waste - General
Date violation determined:	08/10/2010
Date achieved compliance:	Not reported
Violation lead agency:	EPA
Enforcement action:	Not reported
Enforcement action date:	Not reported
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	Not reported
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Evaluation Action Summary:

Evaluation date:	08/10/2010
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Universal Waste - General
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA

A8
West
< 1/8
0.005 mi.
29 ft.

ONDEO NALCO CO **RCRA-CESQG** **1006810402**
330 WEST ST **FINDS** **NYR000110742**
NEW YORK, NY 10014 **NY MANIFEST**

Site 8 of 24 in cluster A

Relative:
Lower

Actual:
6 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	ONDEO NALCO CO
Facility address:	330 WEST ST NEW YORK, NY 100143632
EPA ID:	NYR000110742
Mailing address:	NALCO CENTER NAPERVILLE, IL 60563
Contact:	JOSEPH BIRDSONG
Contact address:	NALCO CENTER

ONDEO NALCO CO (Continued) **1006810402**

NAPERVILLE, IL 60563
Contact country: US
Contact telephone: (405) 282-8510
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: BLOOMBERG FINANCIAL MARKET
Owner/operator address: WEST ST
NEW YORK, NY 10014
Owner/operator country: US
Owner/operator telephone: (212) 647-6791
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/12/2002
Owner/Op end date: Not reported

Owner/operator name: ONDEO NALCO CO
Owner/operator address: WEST ST
NEW YORK, NY 10014
Owner/operator country: US
Owner/operator telephone: (212) 647-6791
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/12/2002
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No

ONDEO NALCO CO (Continued) **1006810402**

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ONDEO NALCO CO
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 12/12/2002
Facility name: ONDEO NALCO CO
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110014358756

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000110742
Country: USA
Mailing Name: NALCO CHEMICAL CO BLOOMBERG FIN MKT
Mailing Contact: JOHN HIRREL
Mailing Address: 1-NALCO CTR
Mailing Address 2: Not reported
Mailing City: NAPERVILLE
Mailing State: IL
Mailing Zip: 60563
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: N/S

Document ID: NYC7514921
Manifest Status: Not reported
Trans1 State ID: TXR000050930
Trans2 State ID: NJD071629976
Generator Ship Date: 05/04/2005
Trans1 Recv Date: 05/04/2005
Trans2 Recv Date: 05/06/2005
TSD Site Recv Date: 05/08/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000110742
Trans1 EPA ID: NY55817JL
Trans2 EPA ID: NJT771BD
TSDF ID: KYD053348108
Waste Code: D005 - BARIUM 100.0 MG/L TCLP

ONDEO NALCO CO (Continued) **1006810402**

Quantity:	00400
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	F003 - UNKNOWN
Quantity:	00700
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	NYG2938968
Manifest Status:	Not reported
Trans1 State ID:	NYD986908085
Trans2 State ID:	Not reported
Generator Ship Date:	03/25/2003
Trans1 Recv Date:	03/25/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/25/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000110742
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	27562PA
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2003

Document ID:	NYC7514921
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930

ONDEO NALCO CO (Continued) **1006810402**

Trans2 State ID:	NJD071629976
Generator Ship Date:	05/04/2005
Trans1 Recv Date:	05/04/2005
Trans2 Recv Date:	05/06/2005
TSD Site Recv Date:	05/08/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000110742
Trans1 EPA ID:	NY55817JL
Trans2 EPA ID:	NJT771BD
TSDF ID:	KYD053348108
Waste Code:	D005 - BARIUM 100.0 MG/L TCLP
Quantity:	00400
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	F003 - UNKNOWN
Quantity:	00700
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	Not reported
Year:	2005

A9 **VAULT 426** **NY Spills** **S104652093**
NW **344 WEST ST** **NY Hist Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.005 mi.
29 ft. **Site 9 of 24 in cluster A**

Relative:
Lower

Actual:
6 ft.

SPILLS:

Facility ID:	0002527
DER Facility ID:	275280
Facility Type:	ER
Site ID:	59373
DEC Region:	2
Spill Number:	0002527
Spill Date:	5/30/2000
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

VAULT 426 (Continued) **S104652093**

Spill Closed Date:	3/24/2004
SWIS:	3101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	5/30/2000
CID:	216
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/30/2000
Spill Record Last Update:	3/24/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	TONY LOPEZ
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 131629:Spill of dielectric fluid approximately 6 gallons of oil sitting atop 300 gallons of water. The pcb content is 21 ppm as per records. Condiut plate 12-F-2 indicates no sewer connection.lab sequence # 00-05274 PCB 9 ppmE. Higgins reports clean up completed on 7/19/00 utilizing flush truck. Transformer was replaced on same day.
Remarks:	SPILL IN VAULT ON TOP OF 300 GALLONS OF WATER WILL BE CLEANED UP PENDING RESULTS CON EDISON REF # 131629

Material:

Site ID:	59373
Operable Unit ID:	824030
Operable Unit:	01
Material ID:	550884
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	6
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported

VAULT 426 (Continued) **S104652093**

Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Facility ID:	0000932
DER Facility ID:	58130
Facility Type:	ER
Site ID:	59372
DEC Region:	2
Spill Number:	0000932
Spill Date:	4/23/2000
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	5/2/2005
SWIS:	3101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	4/23/2000
CID:	233
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/23/2000
Spill Record Last Update:	5/20/2005
Spiller Name:	Not reported
Spiller Company:	CON ED
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 131003:approx 1-gallon transformer oil mixed with 50-gallons water in V0426....Source of oil, center transformer of (3)...Possiblebottom leak or leaking valve... No sewer connection as per conduit plate 12-f-1... Clean up pending test results...LAB SEQ#00-04001 PCB 1 PPMDate: 4/29/00Time: 1240Cleanup Info: removed 250 gals.oily water from vault floor with oil tanker from astoria, washed floor with oil free and slix, rinsed floor and removed. flushed vlaut with flush truck. clean up complete.12/1/04-TRANSFORMER REMOVED,FINAL CLEANUP ,REPLACED AND MADE AUTO 5/7/00.
Remarks:	con ed # 131003 spill of one gallon on 50 gallons of water spill confined in man hole slean up pending lab results

Material:

Site ID:	59372
Operable Unit ID:	822659
Operable Unit:	01
Material ID:	289165
Material Code:	0541A

VAULT 426 (Continued) **S104652093**

Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2
Spill Number:	0000932
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/23/2000 15:30
Reported to Dept Date/Time:	04/23/00 16:46
SWIS:	62
Spiller Name:	CON ED
Spiller Contact:	Not reported
Spiller Phone:	(212) 580-6763
Spiller Address:	4 IRVING PL
Spiller City,St,Zip:	NEW YORK, NY
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /

VAULT 426 (Continued) **S104652093**

UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/23/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 09/20/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIELECTRIC FLUID
Class Type: DIELECTRIC FLUID
Times Material Entry In File: 41
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: Not reported
Remark: con ed 131003 spill of one gallon on 50 gallons of water spill confined in man hole slean up pending lab results

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A10
West
< 1/8
0.006 mi.
30 ft.

330 WEST STREET **NY Spills** **S102150236**
330 WEST STREET **NY Hist Spills** **N/A**
MANHATTAN, NY

Site 10 of 24 in cluster A

Relative:
Lower

Actual:
6 ft.

SPILLS:
Facility ID: 9502690
DER Facility ID: 87683
Facility Type: ER
Site ID: 98573
DEC Region: 2
Spill Number: 9502690
Spill Date: 6/1/1995
Spill Cause: Human Error
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 6/2/1995
SWIS: 3101
Investigator: KSTANG
Referred To: Not reported
Reported to Dept: 6/2/1995
CID: Not reported
Water Affected: Not reported

330 WEST STREET (Continued) **S102150236**

Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	6/2/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/16/1995
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	STRUCTURE TANK
Spiller Address:	15 EAST 26TH STREET
Spiller City,St,Zip:	NEW YORK, NY 10010
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
Remarks:	CALLER TESTING GENERATORS - SPILL ARE 10 GAL (DEP CASE #950601711430) FUEL ON ROOF - NYCFD AND DEP ON SCENE. ALL WAS CLEANED UP. SPILLER IS ARRANGING THE DISPOSAL OF THE CONTAINMENT ABSORBENT

Material:

Site ID:	98573
Operable Unit ID:	1013911
Operable Unit:	01
Material ID:	367747
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	10
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9502690
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported

330 WEST STREET (Continued) **S102150236**

Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 06/01/1995 14:00
Reported to Dept Date/Time: 06/02/95 12:00
SWIS: 62
Spiller Name: STRUCTURE TANK
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: 15 EAST 26TH STREET
Spiller City,St,Zip: NEW YORK, NEW YORK 10010
Spill Cause: Human Error
Reported to Dept: Air
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 06/02/95
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/02/95
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 06/16/95
Date Spill Entered In Computer Data File: Not reported
Update Date: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 10
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 10
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: CALLER TESTING GENERATORS - SPILL ARE 10 GAL DEP CASE 950601711430)

330 WEST STREET (Continued) **S102150236**

FUEL ON ROOF - NYCFD AND DEP ON SCENE. ALL WAS CLEANED UP. SPILLER IS ARRANGING THE DISPOSAL OF THE CONTAINMENT ABSORBENT

A11 NNW < 1/8 0.006 mi. 33 ft. **#1 AUTOTECH GROUP 356 WEST STREET NEW YORK, NY 10014** **NY UST** **U004189559 N/A**

Site 11 of 24 in cluster A

Relative: Lower

Actual: 5 ft.

UST:

Facility Id:	2-611746
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2017/02/06
UTM X:	Not reported
UTM Y:	Not reported

Affiliation Records:

Site Id:	460723
Affiliation Type:	Owner
Company Name:	RAFAEL N. BISMOT
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	2739 EAST 64 STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11234
Country Code:	001
Phone:	(917) 449-7775
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/6/2012

Site Id:	460723
Affiliation Type:	Mail Contact
Company Name:	#1 AUTOTECH GROUP
Contact Type:	Not reported
Contact Name:	RAFAEL N. BISMOT
Address1:	356 WEST STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 691-3344
Phone Ext:	Not reported
Email:	INFO@NUMBER1AUTOGLASS.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/6/2012

Site Id:	460723
Affiliation Type:	On-Site Operator

#1 AUTOTECH GROUP (Continued) **U004189559**

Company Name:	#1 AUTOTECH GROUP
Contact Type:	Not reported
Contact Name:	RAFAEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 691-3344
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/6/2012

Site Id:	460723
Affiliation Type:	Emergency Contact
Company Name:	RAFAEL N. BISMOT
Contact Type:	Not reported
Contact Name:	RAFAEL N BISMOT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 559-7775
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/6/2012

Tank Info:

Site ID:	460723
Tank Number:	1 ONE
Tank ID:	242716
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
K02 - Spill Prevention - Transfer Station Containment
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
L00 - Piping Leak Detection - None
I00 - Overfill - None

Install Date: 08/08/2006

#1 AUTOTECH GROUP (Continued) **U004189559**

Capacity Gallons:	275
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	02/06/2012

A12 **EDR US Hist Auto Stat** **1015446339**
NNW **356 WEST ST** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.006 mi.
33 ft. **Site 12 of 24 in cluster A**

Relative:
Lower

Actual:
5 ft.

EDR Historical Auto Stations:

Name:	1 HOUR AUTO GLASS INCORPORATED
Year:	1999
Address:	356 WEST ST
Name:	1 HOUR AUTO GLASS INCORPORATED
Year:	2000
Address:	356 WEST ST
Name:	VILLAGE 24 HOUR AUTO REPAIR
Year:	2010
Address:	356 WEST ST
Name:	VILLAGE TWENTY FOUR HOUR AUTOMOBILE
Year:	2011
Address:	356 WEST ST
Name:	VILLAGE TWENTY FOUR HOUR AUTOMOBILE
Year:	2012
Address:	356 WEST ST

A13 **HUDSON RVR SOUTH PIER 40** **NY Spills** **S104879879**
SW **HUDSON RVR SOUTH PIER 40** **NY Hist Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.011 mi.
57 ft. **Site 13 of 24 in cluster A**

Relative:
Lower

Actual:
6 ft.

SPILLS:

Facility ID:	0030023
DER Facility ID:	161522
Facility Type:	ER
Site ID:	193792
DEC Region:	2
Spill Number:	0030023
Spill Date:	10/19/2000
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	3/26/2004

HUDSON RVR SOUTH PIER 40 (Continued) **S104879879**

SWIS:	3101
Investigator:	SACCACIO
Referred To:	Not reported
Reported to Dept:	10/19/2000
CID:	Not reported
Water Affected:	HUDSON RIVER
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/19/2000
Spill Record Last Update:	3/26/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	Notifier contacted RSE and informed hin that she observed an 80' sheen in the Hudson River just south of Peir 40

Material:

Site ID:	193792
Operable Unit ID:	836594
Operable Unit:	01
Material ID:	540916
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2

HUDSON RVR SOUTH PIER 40 (Continued) **S104879879**

Spill Number:	0030023
Investigator:	SACCACIO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	10/19/2000 16:18
Reported to Dept Date/Time:	10/19/00 16:18
SWIS:	62
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Surface Water
Water Affected:	HUDSON RIVER
Spill Source:	12
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	10/19/00
Date Spill Entered In Computer Data File:	16:23
Update Date:	04/02/01
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414

HUDSON RVR SOUTH PIER 40 (Continued) **S104879879**

CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: Notifier contacted RSE and informed hin that she observed an 80 sheen in the Hudson River just south of Peir 40

A14 **EDR US Hist Auto Stat** **1015251891**
ENE **160 LEROY ST** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.015 mi.
78 ft. **Site 14 of 24 in cluster A**

Relative:
Higher

Actual:
10 ft.

EDR Historical Auto Stations:

Name: TWO GUYS LUBE INCORPORATED
Year: 2000
Address: 160 LEROY ST

Name: TWO GUYS GENERAL AUTO REPAIR INC
Year: 2001
Address: 160 LEROY ST

Name: TWO GUYS GENERAL AUTO REPAIR
Year: 2002
Address: 160 LEROY ST

Name: TWO GUYS LUBE INC
Year: 2003
Address: 160 LEROY ST

Name: TWO GUYS LUBE INC
Year: 2004
Address: 160 LEROY ST

Name: VILLAGE AUTO
Year: 2011
Address: 160 LEROY ST

Name: VILLAGE AUTO
Year: 2012
Address: 160 LEROY ST

A15 **VILLAGE MART, INC.** **NY AST** **A100300301**
ENE **160 LEROY STREET** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.015 mi.
78 ft. **Site 15 of 24 in cluster A**

Relative:
Higher

Actual:
10 ft.

AST:

Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-610379
Program Type: PBS
UTM X: 583647.35646000004
UTM Y: 4509301.5496500004
Expiration Date: 2011/02/28

VILLAGE MART, INC. (Continued) **A100300301**

Affiliation Records:

Site Id:	372906
Affiliation Type:	Owner
Company Name:	WEST SIDE VIEWS, LLC
Contact Type:	PRES.
Contact Name:	TOM LIEBERMAN
Address1:	580 FIFTH AVENUE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10036
Country Code:	001
Phone:	(646) 274-2010
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	12/15/2006

Site Id:	372906
Affiliation Type:	Mail Contact
Company Name:	VILLAGE MART, INC.
Contact Type:	Not reported
Contact Name:	ZINA LASKIN
Address1:	160 LEROY STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 675-5022
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	12/15/2006

Site Id:	372906
Affiliation Type:	On-Site Operator
Company Name:	VILLAGE MART, INC.
Contact Type:	Not reported
Contact Name:	ZINA LASKIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 675-5022
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	11/1/2006

Site Id:	372906
Affiliation Type:	Emergency Contact

VILLAGE MART, INC. (Continued) **A100300301**

Company Name:	VILLAGE MART, INC.
Contact Type:	Not reported
Contact Name:	CHARLY SIKORA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 412-3731
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	11/1/2006

Tank Info:

Tank Number:	001
Tank Id:	214273

Equipment Records:

I05 - Overfill - Vent Whistle
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A99 - Tank Internal Protection - Other
B09 - Tank External Protection - Urethane
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
K99 - Spill Prevention - Other
G04 - Tank Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	1000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	12/15/2006

Tank Number:	002
Tank Id:	214274

Equipment Records:

I05 - Overfill - Vent Whistle
A99 - Tank Internal Protection - Other
B09 - Tank External Protection - Urethane

VILLAGE MART, INC. (Continued) **A100300301**

C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
G04 - Tank Secondary Containment - Double-Walled (Underground)
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
K99 - Spill Prevention - Other
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
E04 - Piping Secondary Containment - Double-Walled (Underground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	1000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	12/15/2006

Tank Number:	003
Tank Id:	214275

Equipment Records:

I05 - Overfill - Vent Whistle
G04 - Tank Secondary Containment - Double-Walled (Underground)
A99 - Tank Internal Protection - Other
B09 - Tank External Protection - Urethane
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
K99 - Spill Prevention - Other
E04 - Piping Secondary Containment - Double-Walled (Underground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	1000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	12/15/2006

VILLAGE MART, INC. (Continued) **A100300301**

Tank Number: 004
Tank Id: 214276

Equipment Records:

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
K99 - Spill Prevention - Other
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
I05 - Overfill - Vent Whistle
A99 - Tank Internal Protection - Other
B09 - Tank External Protection - Urethane
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
G04 - Tank Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1992
Capacity Gallons: 500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: KXTANG
Last Modified: 12/15/2006

Tank Number: 005
Tank Id: 214277

Equipment Records:

I05 - Overfill - Vent Whistle
G04 - Tank Secondary Containment - Double-Walled (Underground)
A99 - Tank Internal Protection - Other
B09 - Tank External Protection - Urethane
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
K99 - Spill Prevention - Other
E04 - Piping Secondary Containment - Double-Walled (Underground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Temporarily Out of Service
Pipe Model: Not reported
Install Date: 01/01/1992
Capacity Gallons: 500
Tightness Test Method: NN

VILLAGE MART, INC. (Continued) **A100300301**

Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	12/15/2006

Tank Number:	006
Tank Id:	214278

Equipment Records:

I05 - Overfill - Vent Whistle
G04 - Tank Secondary Containment - Double-Walled (Underground)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A99 - Tank Internal Protection - Other
B09 - Tank External Protection - Urethane
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
K99 - Spill Prevention - Other
E04 - Piping Secondary Containment - Double-Walled (Underground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Temporarily Out of Service
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	12/15/2006

Tank Number:	007
Tank Id:	214279

Equipment Records:

I05 - Overfill - Vent Whistle
A99 - Tank Internal Protection - Other
B09 - Tank External Protection - Urethane
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
G04 - Tank Secondary Containment - Double-Walled (Underground)
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
K99 - Spill Prevention - Other
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
E04 - Piping Secondary Containment - Double-Walled (Underground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

VILLAGE MART, INC. (Continued) **A100300301**

L02 - Piping Leak Detection - Interstitial - Manual Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Temporarily Out of Service
Pipe Model:	Not reported
Install Date:	01/01/1992
Capacity Gallons:	500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	12/15/2006

A16 WNW < 1/8 0.020 mi. 105 ft. **CONSOLIDATED EDISON 357 WEST 87TH STREET NEW YORK, NY 10002** **NY MANIFEST** **S110823672 N/A**

Site 16 of 24 in cluster A

Relative: Lower

Actual: 3 ft.

NY MANIFEST:

EPA ID:	NYP004225645
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	TOM TEELING
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-3770

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2011-01-26
Trans1 Recv Date:	2011-01-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-01-31
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004225645
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011

CONSOLIDATED EDISON (Continued) **S110823672**

Manifest Tracking Num:	007660406JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

A17 WNW < 1/8 0.020 mi. 105 ft. **PEMBROKE OWNERS** **NY AST** **A100183134**
357 WEST 55TH STREET **N/A**
NEW YORK, NY 10019

Site 17 of 24 in cluster A

Relative: Lower

Actual: 3 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-606520
Program Type:	PBS
UTM X:	585631.96311999997
UTM Y:	4513293.4663899997
Expiration Date:	2011/07/26

Affiliation Records:

Site Id:	28379
Affiliation Type:	Owner
Company Name:	PEMBROKE OWNERS CORP.
Contact Type:	MANAGING AGENT
Contact Name:	LES GURREN
Address1:	357 WEST 55TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10019
Country Code:	001
Phone:	(917) 443-1902
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/6/2006

Site Id:	28379
Affiliation Type:	Mail Contact
Company Name:	EXCELSIOR MGMT.
Contact Type:	Not reported
Contact Name:	LES GURREN
Address1:	70 WEST 36TH STREET
Address2:	602
City:	NEW YORK
State:	NY
Zip Code:	10018

PEMBROKE OWNERS (Continued) **A100183134**

Country Code:	001
Phone:	(212) 630-0212
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/6/2006

Site Id:	28379
Affiliation Type:	On-Site Operator
Company Name:	PEMBROKE OWNERS
Contact Type:	Not reported
Contact Name:	MICHAEL BREEN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 443-1902
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/6/2006

Site Id:	28379
Affiliation Type:	Emergency Contact
Company Name:	PEMBROKE OWNERS CORP.
Contact Type:	Not reported
Contact Name:	EXCELSIOR MGMT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 502-0136
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/6/2006

Tank Info:

Tank Number:	001
Tank Id:	61538

Equipment Records:

B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction

PEMBROKE OWNERS (Continued) **A100183134**

L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

A18 **MIDTOWN SOUTH PRECINCT** **NY HIST UST** **U003153151**
WNW **357 W 35 STREET** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10001**
0.020 mi.
105 ft. **Site 18 of 24 in cluster A**

Relative:
Lower

Actual:
3 ft.

HIST UST:

PBS Number:	2-217476
SPDES Number:	Not reported
Emergency Contact:	FUEL CONTROL UNIT
Emergency Telephone:	(718) 476-7524
Operator:	NYC POLICE DEPT.
Operator Telephone:	(212) 239-9811
Owner Name:	N Y C P D/ASD
Owner Address:	1 POLICE PLAZA, ROOM 800
Owner City,St,Zip:	NEW YORK, NY 10038
Owner Telephone:	(212) 374-7650
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Name:	BUILDING MANITENENCE SECTION
Mailing Address:	59-06 BROOKLYN-QUEENS EXPRESS WAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	QUEENS, NY 11377
Mailing Contact:	COMMANDING OFFICER
Mailing Telephone:	(718) 476-7576
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	Not reported
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/07/2001
Expiration Date:	10/29/2002

MIDTOWN SOUTH PRECINCT (Continued) **U003153151**

Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5025
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19640901
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	None
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	09/01/1964
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19640901
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge

MIDTOWN SOUTH PRECINCT (Continued) **U003153151**

Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19640901
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19640901
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported

MIDTOWN SOUTH PRECINCT (Continued) **U003153151**

Missing Data for Tank:	Minor Data Missing
Date Closed:	06/01/1996
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19960601
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	Fiberglass Liner (FRP)
Pipe External:	Fiberglass
Second Containment:	Vault (w/access)
Leak Detection:	14
Overfill Prot:	High Level Alarm, Catch Basin
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	20001001
Capacity (gals):	1000
Product Stored:	Not reported
Tank Type:	Not reported
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Major Data Missing (which is on the certificate)
Date Closed:	Not reported
Test Method:	Not reported

MIDTOWN SOUTH PRECINCT (Continued) **U003153151**

Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	20001001
Capacity (gals):	35
Product Stored:	Not reported
Tank Type:	Not reported
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Major Data Missing (which is on the certificate)
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	008
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	20001001
Capacity (gals):	1000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	Glass Liner
Pipe External:	Fiberglass
Second Containment:	Vault (w/access)
Leak Detection:	11
Overfill Prot:	Float Vent Valve, High Level Alarm
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

MIDTOWN SOUTH PRECINCT (Continued) **U003153151**

HIST AST:

PBS Number:	2-217476
SWIS Code:	6201
Operator:	NYC POLICE DEPT.
Facility Phone:	(212) 239-9811
Facility Addr2:	Not reported
Facility Type:	OTHER
Emergency:	FUEL CONTROL UNIT
Emergency Tel:	(718) 476-7524
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	N Y C P D/ASD
Owner Address:	1 POLICE PLAZA, ROOM 800
Owner City,St,Zip:	NEW YORK, NY 10038
Federal ID:	Not reported
Owner Tel:	(212) 374-7650
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Contact:	COMMANDING OFFICER
Mailing Name:	BUILDING MANITENENCE SECTION
Mailing Address:	59-06 BROOKLYN-QUEENS EXPRESS WAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	QUEENS, NY 11377
Mailing Telephone:	(718) 476-7576
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	12/07/2001
Expiration:	10/29/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5025
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	009
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	20001001
Capacity (Gal):	25
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	1
Pipe Location:	Aboveground

MIDTOWN SOUTH PRECINCT (Continued) **U003153151**

Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Tank Containment:	Other
Leak Detection:	0
Overfill Protection:	05
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

A19 **MIDTOWN SOUTH PRECINCT** **NY UST** **U004063555**
WNW **357 WEST 35TH STREET** **NY AST** **N/A**
< 1/8 **NEW YORK, NY 10001**
0.020 mi.
105 ft. **Site 19 of 24 in cluster A**

Relative:
Lower

Actual:
3 ft.

UST:

Facility Id:	2-217476
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2012/10/29
UTM X:	584906.15755999996
UTM Y:	4511899.73367

Affiliation Records:

Site Id:	8231
Affiliation Type:	Owner
Company Name:	N Y C P D/ASD
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1 POLICE PLAZA, ROOM 800
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(646) 610-7650
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/9/2011

Site Id:	8231
Affiliation Type:	Mail Contact
Company Name:	NYC POLICE DEPARTMENT
Contact Type:	Not reported
Contact Name:	COMMANDING OFFICER
Address1:	BUILDING MAINTENENCE SECTION

MIDTOWN SOUTH PRECINCT (Continued) **U004063555**

Address2:	59-06 BROOKLYN-QUEENS EXPRESSWAY
City:	QUEENS
State:	NY
Zip Code:	11377
Country Code:	001
Phone:	(718) 476-7576
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/28/2010

Site Id:	8231
Affiliation Type:	On-Site Operator
Company Name:	MIDTOWN SOUTH PRECINCT
Contact Type:	Not reported
Contact Name:	NYC POLICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 239-9811
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/29/2004

Site Id:	8231
Affiliation Type:	Emergency Contact
Company Name:	Not reported
Contact Type:	Not reported
Contact Name:	FUEL CONTROL UNIT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 476-7524
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	2/25/2010

Tank Info:

Site ID:	8231

Tank Number:	001
Tank ID:	30572
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

MIDTOWN SOUTH PRECINCT (Continued) **U004063555**

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
J02 - Dispenser - Suction
D02 - Pipe Type - Galvanized Steel

Install Date:	09/01/1964
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	09/01/1964
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	8231
Tank Number:	002
Tank ID:	30573
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
J02 - Dispenser - Suction
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None

Install Date:	09/01/1964
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	06/01/1996
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	8231
Tank Number:	003
Tank ID:	30574
Tank Status:	Closed - Removed

MIDTOWN SOUTH PRECINCT (Continued) **U004063555**

Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
J02 - Dispenser - Suction
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None

Install Date: 09/01/1964
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 06/01/1996
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 8231

Tank Number: 004
Tank ID: 30575
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
J02 - Dispenser - Suction
D02 - Pipe Type - Galvanized Steel
A00 - Tank Internal Protection - None

Install Date: 09/01/1964
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 06/01/1996
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 8231

Tank Number: 005

MIDTOWN SOUTH PRECINCT (Continued) **U004063555**

Tank ID: 51712
Tank Status: In Service
Tank Type: Equivalent technology
Pipe Model: Not reported

Equipment Records:

L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
H05 - Tank Leak Detection - In-Tank System (ATG)
B04 - Tank External Protection - Fiberglass
I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
C02 - Pipe Location - Underground/On-ground
E04 - Piping Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
G04 - Tank Secondary Containment - Double-Walled (Underground)
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
K01 - Spill Prevention - Catch Basin
F04 - Pipe External Protection - Fiberglass
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None

Install Date: 06/01/1996
Capacity Gallons: 4000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Equivalent technology
Date Test: Not reported
Registered: True
Modified By: NRLOMBAR
Last Modified: 01/28/2010

Site ID: 8231

Tank Number: 006
Tank ID: 62576
Tank Status: Closed - Removed
Tank Type: Z
Pipe Model: Not reported

Equipment Records:

J00 - Dispenser - None
G00 - Tank Secondary Containment - None
D00 - Pipe Type - No Piping
I00 - Overfill - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None

Install Date: 10/01/2000
Capacity Gallons: 1000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Z
Date Test: Not reported

MIDTOWN SOUTH PRECINCT (Continued) **U004063555**

Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	8231
Tank Number:	007
Tank ID:	62577
Tank Status:	Closed - Removed
Tank Type:	Z
Pipe Model:	Not reported
Equipment Records:	
	J00 - Dispenser - None
	G00 - Tank Secondary Containment - None
	D00 - Pipe Type - No Piping
	I00 - Overfill - None
	H00 - Tank Leak Detection - None
	B00 - Tank External Protection - None
	F00 - Pipe External Protection - None
	C00 - Pipe Location - No Piping
	A00 - Tank Internal Protection - None
Install Date:	10/01/2000
Capacity Gallons:	35
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Z
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	8231
Tank Number:	008
Tank ID:	62578
Tank Status:	In Service
Tank Type:	Equivalent technology
Pipe Model:	Not reported
Equipment Records:	
	B04 - Tank External Protection - Fiberglass
	H05 - Tank Leak Detection - In-Tank System (ATG)
	C02 - Pipe Location - Underground/On-ground
	I02 - Overfill - High Level Alarm
	H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
	E04 - Piping Secondary Containment - Double-Walled (Underground)
	I01 - Overfill - Float Vent Valve
	D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
	G04 - Tank Secondary Containment - Double-Walled (Underground)
	K01 - Spill Prevention - Catch Basin
	F04 - Pipe External Protection - Fiberglass
	L09 - Piping Leak Detection - Exempt Suction Piping
	A00 - Tank Internal Protection - None
	J02 - Dispenser - Suction
Install Date:	10/01/2000

MIDTOWN SOUTH PRECINCT (Continued) **U004063555**

Capacity Gallons:	1000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/12/2010

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-217476
Program Type:	PBS
UTM X:	584906.15755999996
UTM Y:	4511899.73367
Expiration Date:	2012/10/29

Affiliation Records:

Site Id:	8231
Affiliation Type:	Owner
Company Name:	N Y C P D/ASD
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1 POLICE PLAZA, ROOM 800
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(646) 610-7650
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/9/2011

Site Id:	8231
Affiliation Type:	Mail Contact
Company Name:	NYC POLICE DEPARTMENT
Contact Type:	Not reported
Contact Name:	COMMANDING OFFICER
Address1:	BUILDING MAINTENENCE SECTION
Address2:	59-06 BROOKLYN-QUEENS EXPRESSWAY
City:	QUEENS
State:	NY
Zip Code:	11377
Country Code:	001
Phone:	(718) 476-7576
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/28/2010

MIDTOWN SOUTH PRECINCT (Continued) **U004063555**

Site Id:	8231
Affiliation Type:	On-Site Operator
Company Name:	MIDTOWN SOUTH PRECINCT
Contact Type:	Not reported
Contact Name:	NYC POLICE DEPT.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 239-9811
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	3/29/2004

Site Id:	8231
Affiliation Type:	Emergency Contact
Company Name:	Not reported
Contact Type:	Not reported
Contact Name:	FUEL CONTROL UNIT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 476-7524
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	2/25/2010

Tank Info:

Tank Number:	009
Tank Id:	62579

Equipment Records:

I02 - Overfill - High Level Alarm
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
K01 - Spill Prevention - Catch Basin
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction
G01 - Tank Secondary Containment - Diking (Aboveground)
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service

MIDTOWN SOUTH PRECINCT (Continued) **U004063555**

Pipe Model:	Not reported
Install Date:	10/01/2000
Capacity Gallons:	25
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	11/12/2010

A20 **357 WEST 115TH STREEET** **NY AST** **U003394929**
WNW **357 WEST 115TH STREET** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10026**
0.020 mi.
105 ft. **Site 20 of 24 in cluster A**

Relative:
Lower

Actual:
3 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-469742
Program Type:	PBS
UTM X:	587972.08774999995
UTM Y:	4517587.0798000004
Expiration Date:	2014/03/28

Affiliation Records:

Site Id:	20537
Affiliation Type:	Owner
Company Name:	NYC/HPD/DAMP
Contact Type:	ASSOC. COMMISSIONER/MAD
Contact Name:	ANNE-MARIE HENDRICKSON
Address1:	100 GOLD ST #7Z5
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 863-7301
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	5/22/2009

Site Id:	20537
Affiliation Type:	Mail Contact
Company Name:	NYC/HPD/DAMP
Contact Type:	Not reported
Contact Name:	ASST. COMMISSIONER/DAMP
Address1:	100 GOLD ST #7Z5
Address2:	100 GOLD ST #7Z5
City:	NEW YORK
State:	NY
Zip Code:	10038
Country Code:	001
Phone:	(212) 863-7301

357 WEST 115TH STREEET (Continued) **U003394929**

Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	20537
Affiliation Type:	On-Site Operator
Company Name:	357 WEST 115TH STREEET
Contact Type:	Not reported
Contact Name:	ASST. COMMISSIONER/DAMP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 863-7301
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	20537
Affiliation Type:	Emergency Contact
Company Name:	NYC/HPD/DAMP
Contact Type:	Not reported
Contact Name:	ASST. COMMISSIONER/DAMP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 863-7301
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	2/3/2009

Tank Info:

Tank Number:	001
Tank Id:	37285

Equipment Records:

K00 - Spill Prevention - None
I05 - Overfill - Vent Whistle
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping

357 WEST 115TH STREEET (Continued) **U003394929**

	B01 - Tank External Protection - Painted/Asphalt Coating
	F00 - Pipe External Protection - None
	G03 - Tank Secondary Containment - Vault (w/o access)
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1916
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	02/02/2009

HIST AST:

PBS Number:	2-469742
SWIS Code:	6201
Operator:	ASST. COMMISSIONER/DAMP
Facility Phone:	(212) 863-7301
Facility Addr2:	357 WEST 115TH STREET
Facility Type:	APARTMENT BUILDING
Emergency:	ASST. COMMISSIONER/DAMP
Emergency Tel:	(212) 863-7301
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NYC/HPD/DAMP
Owner Address:	100 GOLD ST #7Z5
Owner City,St,Zip:	NEW YORK, NY 10038
Federal ID:	Not reported
Owner Tel:	(212) 863-7301
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Contact:	ASST. COMMISSIONER/DAMP
Mailing Name:	NYC/HPD/DAMP
Mailing Address:	100 GOLD ST #7Z5
Mailing Address 2:	100 GOLD ST #7Z5
Mailing City,St,Zip:	NEW YORK, NY 10038
Mailing Telephone:	(212) 863-7301
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	03/09/2001
Expiration:	03/28/2004
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data

357 WEST 115TH STREEET (Continued) **U003394929**

Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	1
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	6
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

A21 **WEST HOUSTON ST AND** **NY Spills** **S104789011**
SSW **WEST ST** **NY Hist Spills** **N/A**
< 1/8 **MANHATAN, NY**
0.020 mi.
108 ft. **Site 21 of 24 in cluster A**

Relative:
Higher

Actual:
7 ft.

SPILLS:

Facility ID:	0006503
DER Facility ID:	270450
Facility Type:	ER
Site ID:	176013
DEC Region:	2
Spill Number:	0006503
Spill Date:	8/31/2000
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	9/12/2000
SWIS:	3101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	8/31/2000
CID:	322
Water Affected:	Not reported

WEST HOUSTON ST AND (Continued) **S104789011**

Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/31/2000
Spill Record Last Update:	12/17/2004
Spiller Name:	Not reported
Spiller Company:	PERREINI CONTRACTORS
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	BRIAN JOYCE
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"8/31/00, 4:00 PM: spoke with Gary Windman (Gas Ops) - this is NOT a 3rd party spill. It is a Con Ed gas line, but break was caused by a contractor. Also, Construction Mgmt. is responsible organization for clean up. Material is being treated as hazardous for benzene contamination. No samples were taken for PCBs. 4:10 PM: left message for Greg Rucco (Construction Mgmt) to get details of clean up. (JHO)9/5/00: spoke with Greg Rucco - 3 drums of soil were removed. Samples were collected from drums and from excavation after soil removal for benzene only. I asked Rucco to contact the Chem Lab - see if they have enought soil sample from drums to run for PCB scan. If not, take wipe sample from pipe for PCBs. After speaking with Chem Lab, he informed me that samples were sent to an outside lab. Chem Lab will send a tech to site to take PCB wipe samples from inside the pipe. (JHO)9/6/00: benzene sample from excavation lab sequence # 00-08420 <0.00091 ppm. (JHO)9/12/00: wipe samples from inside gas line non-detect for PCBs - lab sequence # 00-08660. (JHO)e2mis no. 133-150:On 8/31/00 at 1422 Construction Management reported a spill of unknown liquid from a 6 in cast iron gas main in an excavation at W.Houston St 30 feet East of West St. Man. The spill was contained to the excavation and did not enter any sewers, waterways or subsurface structures. The spill was caused by Perreni Contractor working for New York State doing paving work. The job was supervised by Construction Management.1/11/01 J. Mele reports that on 8/31/00 spill was cleaned up from excavation. On 9/5/00 pipe was removed from site and brought back to Con Edison's Yard W 28 St for disposal.
Remarks:	DURING EXCAVATION THE PAVING CREW AN OLD GAS MAIN WAS MOVED ANDTHERE WAS A 1 GAL SPILL OF DRIP WATER (COULD POSS CONTAIN CONTAMINATES) SPILL CONTAINED IN THE EXCAVATION - CON ED# 13315

Material:

Site ID:	176013
Operable Unit ID:	829338
Operable Unit:	01
Material ID:	547618
Material Code:	9999
Material Name:	Other -
Case No.:	Not reported
Material FA:	Other
Quantity:	1

WEST HOUSTON ST AND (Continued) **S104789011**

Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	0006503
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	08/31/2000 14:22
Reported to Dept Date/Time:	08/31/00 14:58
SWIS:	62
Spiller Name:	PERREINI CONTRACTORS
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Contact:	BRIAN JOYCE
Spiller Phone:	(212) 580-6763
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Other
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /

Corrective Action Plan Submitted: / /

WEST HOUSTON ST AND (Continued) **S104789011**

Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 08/31/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 09/05/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: OTHER PETROLEUM
Class Type: OTHER PETROLEUM
Times Material Entry In File: 996
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Remark: DURING EXCAVATION THE PAVING CREW AN OLD GAS MAIN WAS MOVED AND THERE WAS A 1 GAL SPILL OF DRIP WATER COULD POSS CONTAIN CONTAMINATES) SPILL CONTAINED IN THE EXCAVATION - CON ED 13315

A22
SW
< 1/8
0.021 mi.
113 ft.

HUDSON RIVER - PIER 40
WEST SIDE HIGHWAY
MANHATTAN, NY

NY Spills **S102446555**
NY Hist Spills **N/A**

Site 22 of 24 in cluster A

Relative:
Lower

Actual:
5 ft.

SPILLS:
Facility ID: 9609777
DER Facility ID: 131806
Facility Type: ER
Site ID: 155612
DEC Region: 2
Spill Number: 9609777
Spill Date: 11/5/1996
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 11/5/1996
SWIS: 3101
Investigator: KSTANG
Referred To: Not reported
Reported to Dept: 11/5/1996
CID: 312
Water Affected: HUDSON RIVER
Spill Source: Unknown
Spill Notifier: Citizen
Cleanup Ceased: Not reported
Cleanup Meets Std: False

HUDSON RIVER - PIER 40 (Continued) **S102446555**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/5/1996
Spill Record Last Update:	1/28/1998
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"OFFICER JOE BOWES OF USCG, REPORTED THAT OIL SHEEN WAS SIGHTED BY THEIR TOON, BUT NON RECOVERABLE, NO SOURCE DETERMINED
Remarks:	sheen on the water - uscg enroute

Material:

Site ID:	155612
Operable Unit ID:	1041255
Operable Unit:	01
Material ID:	341985
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9609777
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/05/1996 15:10

HUDSON RIVER - PIER 40 (Continued) **S102446555**

Reported to Dept Date/Time: 11/05/96 15:58
SWIS: 62
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: Surface Water
Water Affected: HUDSON RIVER
Spill Source: 12
Spill Notifier: Citizen
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/05/96
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 11/05/96
Date Spill Entered In Computer Data File: Not reported
Update Date: 01/28/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: OFFICER JOE BOWES OF USCG, REPORTED THAT OIL SHEEN WAS SIGHTED BY THEIR TOON, BUT NON RECOVERABLE, NO SOURCE DETERMINED
Remark: sheen on the water - uscg enroute

A23 SW < 1/8 0.021 mi. 113 ft. | **ROADWAY EXPRESS TERMINAL PIER 40 NORTH RIVER MANHATTEN, NY** | **NY Spills** **NY Hist Spills** | **S102446679** **N/A**

Site 23 of 24 in cluster A

Relative: Lower

Actual: 5 ft.

SPILLS:

Facility ID:	9610803
DER Facility ID:	96635
Facility Type:	ER
Site ID:	110223
DEC Region:	2
Spill Number:	9610803
Spill Date:	12/2/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	2/24/2003
SWIS:	3101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	12/2/1996
CID:	312
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	12/2/1996
Spill Record Last Update:	2/24/2003
Spiller Name:	Not reported
Spiller Company:	ROADWAY EXPRESS TERMINAL
Spiller Address:	PIER 40 NORTH RIVER
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	001
Contact Name:	ERIC REESBECK
Contact Phone:	(212) 645-4130
DEC Memo:	Not reported
Remarks:	cross-over line failure - location is foot of houston and west stcleanup crew enroute

Material:

Site ID:	110223
Operable Unit ID:	1038717
Operable Unit:	01
Material ID:	343019
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

ROADWAY EXPRESS TERMINAL (Continued) **S102446679**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9610803
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	12/02/1996 11:00
Reported to Dept Date/Time:	12/02/96 11:25
SWIS:	62
Spiller Name:	ROADWAY EXPRESS TERMINAL
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Contact:	ERIC REESBECK
Spiller Phone:	(212) 645-4130
Spiller Address:	PIER 40 NORTH RIVER
Spiller City,St,Zip:	MANHATTEN, NY
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	08
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	12/02/96
Date Spill Entered In Computer Data File:	Not reported
Update Date:	12/05/96
Is Updated:	False

ROADWAY EXPRESS TERMINAL (Continued) **S102446679**

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	50
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	DIESEL
Class Type:	DIESEL
Times Material Entry In File:	10625
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	Not reported
Remark:	cross-over line failure - location is foot of houston and west st cleanup crew enroute

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A24 **PIER 40 / HOLLAND TUNNEL** **NY Spills** **S102142716**
SW **PIER 40 / HOLLAND TUNNEL** **NY Hist Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.021 mi.
113 ft. **Site 24 of 24 in cluster A**

Relative:
Lower

Actual:
5 ft.

SPILLS:

Facility ID:	9113203
DER Facility ID:	91079
Facility Type:	ER
Site ID:	102903
DEC Region:	2
Spill Number:	9113203
Spill Date:	3/29/1992
Spill Cause:	Unknown
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	3/29/1992
SWIS:	3101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	3/29/1992
CID:	Not reported
Water Affected:	HUDSON RIVER
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	3/29/1992
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/7/1992

PIER 40 / HOLLAND TUNNEL (Continued) **S102142716**

Spill Record Last Update:	1/31/2003
Spiller Name:	Not reported
Spiller Company:	UNK
Spiller Address:	Not reported
Spiller City,St,Zip:	***UPDATE***, ZZ
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
Remarks:	USCG ON SCENCE, DEP NOTIFIED. CALLED OFF. DELROFF BACK, USCG RESPONSETEAM FOUND OIL SHEEN NEAR BRIDGE, DISSIPATING, CAN'T BE RECOVERED AND CAN'T FIND SOURCE, POSS. DUE TO DUMPING.

Material:

Site ID:	102903
Operable Unit ID:	963982
Operable Unit:	01
Material ID:	414724
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9113203
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	03/29/1992 12:25
Reported to Dept Date/Time:	03/29/92 14:20
SWIS:	62
Spiller Name:	UNK
Spiller Contact:	Not reported

PIER 40 / HOLLAND TUNNEL (Continued) **S102142716**

Spiller Phone: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Unknown
Reported to Dept: Surface Water
Water Affected: HUDSON RIVER
Spill Source: 12
Spill Notifier: Federal Government
PBS Number: Not reported
Cleanup Ceased: 03/29/92
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/29/92
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/07/92
Date Spill Entered In Computer Data File: Not reported
Update Date: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: WASTE OIL
Class Type: WASTE OIL
Times Material Entry In File: 9509
CAS Number: Not reported
Last Date: 19940927
DEC Remarks: Not reported
Remark: USCG ON SCENCE, DEP NOTIFIED. CALLED OFF. DELROFF BACK, USCG RESPONSETEAM FOUND OIL SHEEN NEAR BRIDGE, DISSIPATING, CAN T BE RECOVERED AND CAN T FIND SOURCE, POSS. DUE TO DUMPING.

B25 ENE < 1/8 0.022 mi. 115 ft. | **YELLOW FREIGHT SYSTEM INC**
149 LEROY ST
NEW YORK, NY 10014

Site 1 of 7 in cluster B

RCRA NonGen / NLR
FINDS
NY LTANKS
NY HIST LTANKS
NY Spills
NY Hist Spills

1001119618
NYR000029074

Relative: Higher

Actual: 10 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	YELLOW FREIGHT SYSTEM INC
Facility address:	149 LEROY ST NEW YORK, NY 100143341
EPA ID:	NYR000029074
Mailing address:	ROE AVE OVERLAND PARK, NY 66211
Contact:	Not reported
Contact address:	ROE AVE OVERLAND PARK, NY 66211
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	YELLOW FREIGHT SYSTEM INC
Owner/operator address:	10990 ROE AVE OVERLAND PARK, KS 66211
Owner/operator country:	US
Owner/operator telephone:	(913) 344-5446
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	YELLOW FREIGHT SYSTEM INC
Owner/operator address:	10990 ROE AVE OVERLAND PARK, KS 66211
Owner/operator country:	US
Owner/operator telephone:	(913) 344-5446
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: YELLOW FREIGHT SYSTEM INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: YELLOW FREIGHT SYSTEM INC
Classification: Not a generator, verified

Date form received by agency: 09/10/1996
Facility name: YELLOW FREIGHT SYSTEM INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004528315

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LTANKS:
Site ID: 159877
Spill No: 9909631
Spill Date: 11/8/1999
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 7/5/2000
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: SMSANGES
Referred To: Not reported
Reported to Dept: 11/8/1999
CID: 365
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 11/8/1999

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Spill Record Last Update: 7/6/2000
Spiller Name: STEVE TRAVIS
Spiller Company: YELLOW FREIGHT
Spiller Address: 10990 ROE AVE
Spiller City,St,Zip: OVERLAND PARK, KS 66211-
Spiller County: 001
Spiller Contact: STEVE TRAVIS
Spiller Phone: (913) 344-3409
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 135045
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"2/23/2000 DEC received a "Closure Report" from GZA - Stephen Kline 212-594-8140 (fax212-279-8180)Report outlined removal of 3 - 4,000 gal tanks, soil samples taken, contamination left on site. Discussion of other tanks on site (some in use, some abandoned). DEC letter to GZA 2/23/2000 requires:1) 3 wells in area of tanks and pumping island - Water samples tested to 8021 & 82702) summary of tanks on site, including if they were closed out with water or sand.3) report with findings and either recommendations for site remediation or justification for "No Action" status due April 14, 2000.4/4/2000 Stephen Travis P.E. (Yellow Freight) & Frances Schultz (GSA - 973-256-7800) met with Sangesland to discuss this site.4 wells were installed as requested. Some slight trace levels of VOC's found, one MTBE reading of 12 ug/l found in one well. Whole area was built on landfill (probably coal ash) back in 1800's thru 1900. Background levels of other contaminants may be caused by this fill and not from recent contamination.Yellow Freight is going to submitt soil boring results from other spots on the site. If these results show similar contamination, DEC may close it out.5/2/2000 SANGESLAND SPOKE WITH KATIE BORDENARO (212-675-3004) FROM A LOCAL CITIZENS ORGANIZATION. SHE ASKED ABOUT WHAT WAS HAPPENING ON THE SITE. SHE HAS RECORDS ABOUT MANY TANKS ON THE SITE. SHE IS MAILING A COPY OF HER REPORT TO THE DEC.5/12/2000 Advanced Cleanup Technologies, Inc (631-293-4992) was hired by a potential purchaser to conduct a Phase I / II review of the site. Several soil borings and wells were installed in Feb, 2000. The resulting report was issued by ACT on April 7, 2000. NYSDEC received a copy of this report directly from ACT on May 5, 2000. Based on the results of this report, a new spill number was called on the site to cover the entire block. Cross Ref to Spill #00018385/12/2000 Sangesland spoke to Steve Travis at Yellow Freight to discuss the results of the ACT Site Assessment. Mr. Travis requested that the two spill numbers be kept seperate. Right now, 9909631 relates to an area midblock along Washington St. in the area of the former 3 - 4,000 gal diesel tanks. Spill #0001838 basically covers the remainder of the city block.Issues include petroleum contamination and various metals.
Remarks: THEY WERE UNCOVERING OLD UNDERGROUND TANK (4 TANKS ALL 4000 GALLONS) - WHEN THEY REMOVED THEY ENCOUNTERED SOIL THAT SMELLED OF SOIL - THEY USED A METER THAT MEASURED JUST ABOVE THE REPORTABLE LIMIT - THE SOIL WILL BE REMOVED THIS WEEK

Material:
Site ID: 159877
Operable Unit ID: 1084385
Operable Unit: 01
Material ID: 298707

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9909631
Spill Date:	11/08/1999
Spill Time:	13:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/05/00
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	SANGESLAND
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	11/08/99
Reported to Department Time:	16:50
SWIS:	62
Spiller Contact:	STEVE TRAVIS
Spiller Phone:	(913) 344-3409
Spiller Extention:	Not reported
Spiller Name:	YELLOW FREIGHT
Spiller Address:	10990 ROE AVE
Spiller City,St,Zip:	OVERLAND PARK, KS 66211-
Spiller Cleanup Date:	/ /

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Facility Contact: STEVE TRAVIS
Facility Phone: (913) 344-3409
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/08/99
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 07/06/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: 2/23/2000 DEC received a Closure Report from GZA - Stephen Kline 212-594-8140 fax212-279-8180) Report outlined removal of 3 - 4,000 gal tanks, soil samples taken, contamination left on site. Discussion of other tanks on site some in use, someabandoned). DEC letter to GZA 2/23/2000 requires: 1) 3 wells in area of tanks and pumping island - Water samples tested to 8021 8270 2) summary of tanks on site, including if they were closed out with water or sand. 3) report with findings and either recommendations for site remediation or justification for No Action status due April 14, 2000. 4/4/2000 Stephen Travis P.E. Yellow Freight) Frances Schult GSA - 973-256-7800) met with Sangesland to discuss this site. 4 wells were installed as requested. Some slight trace levels of VOC s found, one MTBE reading of 12 ug/l found in one well. Whole area was built on landfill probably coal ash) back in 1800 s thru 1900. Background levels of other contaminants may be caused by this fill and not from recent contamination. Yellow Freight is going to submitt soil boring results from other spots on the site. If these results show similar contamination, DEC may close it out. 5/2/2000 SANGESLAND SPOKE WITH KATIE BORDENARO 212-675-3004) FROM A LOCAL CITIZENS ORGANIZATION. SHE ASKED ABOUT WHAT WAS HAPPENING ON THE SITE. SHE HAS RECORDS ABOUT MANY TANKS ON THE SITE. SHE IS MAILING A COPY OF HER REPORT TO THE DEC. 5/12/2000 Advanced Cleanup Technologies, Inc 631-293-4992) washired by a potential purchaser to conduct a

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Phase I / II review of the site. Several soil borings and wells were installed in Feb, 2000. The resulting report was issued by ACT on April 7, 2000. NYSDEC received a copy of this report directly fromACT on May 5, 2000. Based on the results of this report, a new spill number was called on the site to cover the entire block. Cross Ref to Spill 0001838 5/12/2000 Sangesland spoke to Steve Travis at Yellow Freight to discuss the results of the ACTSite Assessment. Mr. Travis requested that the two spill numbers be kept seperate. Right now, 9909631 relates to an area midblock along Washington St. in the area of the former 3 - 4,000 gal diesel tanks. Spill 0001838 basically covers the remainder of the city block. Issues include petroleum contamination and various metals.

Spill Cause: THEY WERE UNCOVERING OLD UNDERGROUND TANK 4 TANKS ALL 4000 GALLONS) - WHEN THEY REMOVED THEY ENCOUNTERED SOIL THAT SMELLED OF SOIL - THEY USED A METER THAT MEASURED JUST ABOVE THE REPORTABLE LIMIT - THE SOIL WILL BE REMOVED THIS WEEK

SPILLS:

Facility ID:	0001838
DER Facility ID:	135045
Facility Type:	ER
Site ID:	159876
DEC Region:	2
Spill Number:	0001838
Spill Date:	5/12/2000
Spill Cause:	Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	1/12/2001
SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	5/12/2000
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/12/2000
Spill Record Last Update:	1/12/2001
Spiller Name:	STEVE TRAVIS
Spiller Company:	YELLOW FREIGHT
Spiller Address:	149 LEROY ST
Spiller City,St,Zip:	MANHATTAN, NY -
Spiller Company:	001
Contact Name:	STEVE TRAVIS
Contact Phone:	(913) 344-3409
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"1/12/2001 This spill number is associated with spill #9909631.The two spill numbers together cover the full city block associated with this site.This site was a former Yellow Freight trucking facility. It also has a history as: gas station, industrial manufacturing, smelting, overhead rail line, post office and several other uses. In the 1800's the area was low marsh area which was built

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

up (typical of much of the west side of Manhattan) with fill material (coal ash) and other non native fill material.Owner of the site is:Washington Street Associates, LLC (Mr. Gary Koehnken) address: 352 Park Ave - Suite 702, New York, NY 10010Attorney for the owner is:Gail Port with Proskauer Rose LLP (212-969-3243) address: 1585 Broadway, New York,NY 10036Environmental Consultant:Advanced Cleanup Technologies, Inc. (631-293-4992) address: 117 Verdi Street, Farmingdale, NY 11735During the course of 2000, a total of 17 buried tanks were found in 5 general locations around the site. Advanced Cleanup Technologies removed the tanks and excavated out any contamination found to the satisfaction of the DEC. In addition, a total of 3 groundwater monitoring wells were installed on the site and found to be clean.On January 11, 2001 ACT submitted an "Underground Storage Tank and Spill Closure Report" which documents the excavation of the 17 tanks and associated petroleum contamination in the area.Based on this report, the spill number associated with this site is closed.Closure letter specifically says:"the NYSDEC is in receipt of the spill closure report, prepared by Advanced Cleanup Technologies Inc. and dated January 11, 2001, for the referenced site. This information, when combined with the documentation already provided to the NYSDEC to close out spill number 9909631, provide a complete summary of the environmental conditions for the full city block under investigation. The historical petroleum contamination which was on the site has been satisfactorily remediated. Based on this information, no further investigation or response will be required concerning the petroleum contamination at this specific site."NYSDEC rep - Tom Lang (Hazardous Wastes Department) added this: "Based on the environmental investigatory information provided to the NYSDEC, there is no evidence of the presence of a consequential amount of hazardous waste on the site."

Remarks: ACT INC. SUBMITTED A PHASE I AND PHASE II REPORT WHICH IDENTIFIES PETROLEUM AND METAL CONTAMINATION THRU OUT THE SITE. SEVERAL SOIL BORINGS AND WELLS WERE INSTALLED. SEVERAL SHOWING HIGH CONTAMINATION LEVELS.

Material:

Site ID:	159876
Operable Unit ID:	823397
Operable Unit:	01
Material ID:	290050
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

NY Hist Spills:
Region of Spill: 2
Spill Number: 0001838
Investigator: SANGESLAND
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 05/12/2000 12:00
Reported to Dept Date/Time: 05/12/00 15:52
SWIS: 62
Spiller Name: YELLOW FREIGHT
Spiller Contact: STEVE TRAVIS
Spiller Phone: (913) 344-3409
Spiller Contact: STEVE TRAVIS
Spiller Phone: (913) 344-3409
Spiller Address: 149 LEROY ST
Spiller City,St,Zip: MANHATTAN, NY -
Spill Cause: Other
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Local Agency
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/12/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 05/12/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 01/12/01
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	UNKNOWN PETROLEUM
Class Type:	UNKNOWN PETROLEUM
Times Material Entry In File:	16414
CAS Number:	Not reported
Last Date:	19940929

DEC Remarks: 1/12/2001 This spill number is associated with spill 9909631. The two spill numbers together cover the full city block associated with this site. This site was a former Yellow Freight trucking facility. It also has a history as: gas station, industrial manufacturing, smelting, overhead rail line, post office and several other uses. In the 1800 s the area was low marsh area which was built up typical of much of the west side of Manhattan) with fill material coal ash) and othernon native fill material. Owner of the site is: Washington Street Associates, LLC Mr. Gary Koehnken) address: 352 Park Ave - Suite 702, New York, NY 10010 Attorney for the owner is: Gail Port with Proskauer Rose LLP 212-969-3243) address: 1585 Broadway, New York,NY 10036 Environmental Consultant: Advanced Cleanup Technologies, Inc. 631-293-4992) address: 117 Verdi Street, Farmingdale, NY 11735 During the course of 2000, a total of 17 buried tanks were found in 5 general locations around the site. Advanced Cleanup Technologies removed the tanks and excavated out any contamination found to the satisfaction of the DEC. In addition, a total of 3 groundwater monitoring wells were installed on the site and foundto be clean. On January 11, 2001 ACT submitted an Underground Storage Tank and Spill Closure Report which documents the excavation of the 17 tanks and associated petroleum contamination in the area. Based on this report, the spill number associated with this site is closed. Closure letter specifically says: the NYSDEC is in receipt of the spill closure report, prepared by Advanced Cleanup Technologies Inc. and dated January 11, 2001, for the referenced site. This information, when combined with the documentation already provided to the NYSDEC to close out spill number 9909631, provide a complete summary of the environmental conditions for the full city block under investigation. The historical petroleum contamination which was on the site has been satisfactorily remediated. Based on this information, no further investigation or response will be required concerning the petroleum contamination at this specific site. NYSDEC rep - Tom Lang Ha ardous Wastes Department) added this: Based on the environmental investigatory information provided to the NYSDEC, there is no evidence of the presence of a consequential amount of ha ardous waste on the site.

Remark: ACT INC. SUBMITTED A PHASE I AND PHASE II REPORT WHICH IDENTIFIES PETROLEUM AND METAL CONTAMINATION THRU OUT THE SITE. SEVERAL SOIL BORINGS AND WELLS WERE INSTALLED. SEVERAL SHOWING HIGH CONTAMINATION LEVELS.

B26 ENE < 1/8 0.022 mi. 115 ft. | **WASHINGTON STREET ASSOCAITES, LLC**
149 LEROY STREET
NEW YORK, NY 10014 | **NY UST**
NY HIST UST
NY AST | **U000417020**
N/A

Site 2 of 7 in cluster B

Relative: Higher

Actual: 10 ft.

UST:

Facility Id:	2-292419
Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Program Type:	PBS
Expiration Date:	N/A
UTM X:	583691.95651000005
UTM Y:	4509322.3744400004

Affiliation Records:

Site Id:	13298
Affiliation Type:	Owner
Company Name:	WASHINGTON STREET ASSOCIATES C/O JD CARLISLE DEVEL
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	352 PARK AVENUE SOUTH ROOM 706
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10010
Country Code:	001
Phone:	(212) 689-0639
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13298
Affiliation Type:	Mail Contact
Company Name:	JD CARLISLE DEVLOPMENT CORP
Contact Type:	Not reported
Contact Name:	GARY KOEHNKEN
Address1:	352 PARK AVENUE SOUTH
Address2:	ROOM 706
City:	NEW YORK
State:	NY
Zip Code:	10010
Country Code:	001
Phone:	(212) 689-0639
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13298
Affiliation Type:	On-Site Operator
Company Name:	WASHINGTON STREET ASSOCAITES, LLC
Contact Type:	Not reported
Contact Name:	J.D. CARLISLE DEVELOPMENT CORP
Address1:	Not reported
Address2:	Not reported

WASHINGTON STREET ASSOCAITES, LLC (Continued) **U000417020**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 691-8203
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	13298
Affiliation Type:	Emergency Contact
Company Name:	WASHINGTON STREET ASSOCIATES C/O JD CARLISLE DEVEL
Contact Type:	Not reported
Contact Name:	GARY KOEHNKEN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 689-0639
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	13298
Tank Number:	001
Tank ID:	12036
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground
I03 - Overfill - Automatic Shut-Off
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
J01 - Dispenser - Submersible
B08 - Tank External Protection - Retrofitted Impressed Current
K01 - Spill Prevention - Catch Basin
H05 - Tank Leak Detection - In-Tank System (ATG)

Install Date:	12/01/1976
Capacity Gallons:	4000
Tightness Test Method:	16
Next Test Date:	Not reported
Date Tank Closed:	11/01/1999
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	06/01/1995

WASHINGTON STREET ASSOCAITES, LLC (Continued) **U000417020**

Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	13298
Tank Number:	002
Tank ID:	12037
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground
I03 - Overfill - Automatic Shut-Off
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
J01 - Dispenser - Submersible
B08 - Tank External Protection - Retrofitted Impressed Current
K01 - Spill Prevention - Catch Basin
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
H05 - Tank Leak Detection - In-Tank System (ATG)

Install Date:	12/01/1976
Capacity Gallons:	4000
Tightness Test Method:	16
Next Test Date:	Not reported
Date Tank Closed:	11/01/1999
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	06/01/1995
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	13298
Tank Number:	003
Tank ID:	12038
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground
I03 - Overfill - Automatic Shut-Off
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F08 - Pipe External Protection - Retrofitted Impressed Current
J01 - Dispenser - Submersible
B08 - Tank External Protection - Retrofitted Impressed Current
K01 - Spill Prevention - Catch Basin
H05 - Tank Leak Detection - In-Tank System (ATG)

Install Date:	12/01/1976
Capacity Gallons:	4000
Tightness Test Method:	16
Next Test Date:	Not reported

WASHINGTON STREET ASSOCAITES, LLC (Continued) **U000417020**

Date Tank Closed:	11/01/1999
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	06/01/1995
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	13298
Tank Number:	004
Tank ID:	12039
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported
Equipment Records:	
	G00 - Tank Secondary Containment - None
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J02 - Dispenser - Suction
	F00 - Pipe External Protection - None
	I04 - Overfill - Product Level Gauge (A/G)
	B00 - Tank External Protection - None
	C01 - Pipe Location - Aboveground
	H00 - Tank Leak Detection - None
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1999
Tank Location:	6
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	13298
Tank Number:	022
Tank ID:	64181
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported
Equipment Records:	
	C02 - Pipe Location - Underground/On-ground
	G03 - Tank Secondary Containment - Vault (w/o access)
	B00 - Tank External Protection - None
	A00 - Tank Internal Protection - None
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	J02 - Dispenser - Suction
	F00 - Pipe External Protection - None
	H00 - Tank Leak Detection - None
	I00 - Overfill - None
Install Date:	08/01/2002
Capacity Gallons:	550

WASHINGTON STREET ASSOCAITES, LLC (Continued) **U000417020**

Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	13298
Tank Number:	023
Tank ID:	64182
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B00 - Tank External Protection - None
I00 - Overfill - None

Install Date:	08/01/2002
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	13298
Tank Number:	024
Tank ID:	64183
Tank Status:	Closed - Removed
Tank Type:	NOT DEFINED
Pipe Model:	Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
A01 - Tank Internal Protection - Epoxy Liner
B00 - Tank External Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

WASHINGTON STREET ASSOCAITES, LLC (Continued) **U000417020**

Install Date:	08/01/2002
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	NOT DEFINED
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	13298
Tank Number:	025
Tank ID:	64184
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
I00 - Overfill - None

Install Date:	08/01/2002
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	13298
Tank Number:	026
Tank ID:	64440
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
G03 - Tank Secondary Containment - Vault (w/o access)
D00 - Pipe Type - No Piping

WASHINGTON STREET ASSOCAITES, LLC (Continued) **U000417020**

B00 - Tank External Protection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	10/01/2002
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST UST:

PBS Number:	2-292419
SPDES Number:	Not reported
Emergency Contact:	YELLOW FEIGHT CENTRAL DISPATCH
Emergency Telephone:	(913) 344-3000
Operator:	YELLOW FREIGHT SYSTEM INC
Operator Telephone:	(212) 691-8203
Owner Name:	YELLOW FREIGHT SYSTEM INC
Owner Address:	10990 ROE AVE POB 7270
Owner City,St,Zip:	OVERLAND PK, KS 66211
Owner Telephone:	(913) 344-3000
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	YELLOW FREIGHT SYSTEM INC
Mailing Address:	10990 ROE AVE POB 7270
Mailing Address 2:	Not reported
Mailing City,St,Zip:	OVERLAND PK, KS 66211
Mailing Contact:	ENVIRONMENTAL SERVICES
Mailing Telephone:	(913) 344-3000
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	149 LEROY ST
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	01/16/1998
Expiration Date:	07/07/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY

WASHINGTON STREET ASSOCAITES, LLC (Continued) **U000417020**

County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19761201
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	Impressed Current
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Impressed Current
Second Containment:	None
Leak Detection:	In-tank System
Overfill Prot:	Catch Basin, Automatic Shut-Off
Dispenser:	Submersible
Date Tested:	06/01/1995
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1999
Test Method:	Tracer Tight
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19761201
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	Impressed Current
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Impressed Current
Second Containment:	None
Leak Detection:	In-tank System
Overfill Prot:	Catch Basin, Automatic Shut-Off
Dispenser:	Submersible
Date Tested:	06/01/1995
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1999
Test Method:	Tracer Tight
Deleted:	False
Updated:	True
Lat/long:	Not reported

WASHINGTON STREET ASSOCAITES, LLC (Continued) **U000417020**

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19761201
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Epoxy Liner
Tank External:	Impressed Current
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Impressed Current
Second Containment:	None
Leak Detection:	In-tank System
Overfill Prot:	Catch Basin, Automatic Shut-Off
Dispenser:	Submersible
Date Tested:	06/01/1995
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1999
Test Method:	Tracer Tight
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	275
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1999
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

B27 ENE < 1/8 0.030 mi. 158 ft. | **FEDERAL EXPRESS CORP**
148 LEROY ST
NEW YORK, NY 10014 | **RCRA NonGen / NLR**
NY MANIFEST
RI MANIFEST | **1000212473**
NYD986899771

Site 3 of 7 in cluster B

Relative: Higher

Actual: 11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FEDERAL EXPRESS CORP
Facility address:	148 LEROY ST NEW YORK, NY 100143301
EPA ID:	NYD986899771
Mailing address:	PENN PLZ NEW YORK, NY 10001
Contact:	Not reported
Contact address:	PENN PLZ NEW YORK, NY 10001
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	FEDERAL EXPRESS CORP
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	FEDERAL EXPRESS CORP
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

FEDERAL EXPRESS CORP (Continued) **1000212473**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: FEDERAL EXPRESS CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: FEDERAL EXPRESS CORP
Classification: Not a generator, verified

Date form received by agency: 11/18/1991
Facility name: FEDERAL EXPRESS CORP
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYD986899771
Country: USA
Mailing Name: FEDERAL EXPRESS
Mailing Contact: SHAIR KHAN
Mailing Address: 148 LEROY STREET
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10014
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-633-4932

Document ID: NYG2217078
Manifest Status: Not reported
Trans1 State ID: NYR000038000
Trans2 State ID: Not reported
Generator Ship Date: 08/10/2000
Trans1 Recv Date: 08/10/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/14/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986899771
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: 1A480
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2000

FEDERAL EXPRESS CORP (Continued) **1000212473**

Document ID:	NYB2191653
Manifest Status:	Completed copy
Trans1 State ID:	PC4339NY
Trans2 State ID:	Not reported
Generator Ship Date:	900904
Trans1 Recv Date:	900904
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900904
Part A Recv Date:	900910
Part B Recv Date:	900926
Generator EPA ID:	NYD986899771
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

MANIFEST:

GEN Cert Date:	8/23/2001
Transporter Recpt Date:	8/22/2008
Number Of Containers:	0
Container Type:	NONE
Waste Code1:	NONE
Waste Code2:	Not reported
Waste Code3:	Not reported
Comment:	gen date approx
Fee Exempt Code:	Not reported
TSDF Name:	Northland Environmental Inc.
TSDF ID:	rid040098352
TSDF Date:	8/22/2008
Transporter 2 Name:	Not reported
Transporter 2 ID:	Not reported
Manifest Docket Number:	000276562FLE
Waste Description:	WASTE OIL
Quantity:	2800
WT/Vol Units:	P
Item Number:	75412942
Transporter Name:	CONSOLIDATED RECYCLI
Transporter EPA ID:	MA5000002261
GEN Cert Date:	2/19/2008
Transporter Recpt Date:	2/19/2008
Transporter 2 Recpt Date:	Not reported
TSDF Recpt Date:	2/19/2008
EPA ID:	NYD986899771
Transporter 2 ID:	Not reported

B28 ENE < 1/8 0.030 mi. 158 ft. | **FEDERAL EXPRESS - WTCA**
148 LEROY STREET
NEW YORK, NY 10014
Site 4 of 7 in cluster B | **NY AST** | **A100321678**
N/A

Relative: Higher

Actual: 11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-610917
Program Type:	PBS
UTM X:	583674.41333999997
UTM Y:	4509299.1136600003
Expiration Date:	2013/08/21

Affiliation Records:

Site Id:	403048
Affiliation Type:	Owner
Company Name:	FEDERAL EXPRESS
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	NEWARK INTL. AIRPORT BLDG 347
Address2:	Not reported
City:	NEWARK
State:	NJ
Zip Code:	07114
Country Code:	001
Phone:	(973) 565-2305
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/21/2008

Site Id:	403048
Affiliation Type:	Mail Contact
Company Name:	FEDERAL EXPRESS
Contact Type:	Not reported
Contact Name:	TONY GULLA
Address1:	NEWARK INTL. AIRPORT
Address2:	BLDG 347
City:	NEWARK
State:	NJ
Zip Code:	07114
Country Code:	001
Phone:	(973) 565-2305
Phone Ext:	Not reported
Email:	TGULLA@FEDEX.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/21/2008

Site Id:	403048
Affiliation Type:	On-Site Operator
Company Name:	FEDERAL EXPRESS - WTCA
Contact Type:	Not reported
Contact Name:	ROBERT MORTON
Address1:	Not reported
Address2:	Not reported

FEDERAL EXPRESS - WTCA (Continued) **A100321678**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 486-5162
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/21/2008

Site Id:	403048
Affiliation Type:	Emergency Contact
Company Name:	FEDERAL EXPRESS
Contact Type:	Not reported
Contact Name:	TONY GULLA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(973) 565-2305
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/21/2008

Tank Info:

Tank Number:	001
Tank Id:	224815

Equipment Records:

	I04 - Overfill - Product Level Gauge (A/G)
Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/01/2002
Capacity Gallons:	280
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	08/21/2008

B29 ESE < 1/8 0.032 mi. 168 ft. | **ATLAS PAPER STOCK CO.**
589 WASHINGTON STREET
NEW YORK, NY 10014 | **NY SWRCY**
NY UST
NY HIST UST | **U001841871**
N/A

Site 5 of 7 in cluster B

Relative: Higher

Actual: 11 ft.

SWRCY:

Region:	2
Facility Address 2:	Not reported
Phone Number:	2129253280
Owner Type:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	RON PASQUALE
Contact Address:	Not reported
Contact Address 2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	RHRF - registration
Activity Number:	[31M09]
Active:	No
East Coordinate:	Not reported
North Coordinate:	Not reported
Accuracy Code:	Not reported
Regulatory Status:	Registration
Permit #:	2-6205-00134
Auth. Date:	Not reported
Expiration Date:	Not reported
Waste Types:	Commingled Paper

UST:

Facility Id:	2-601320
Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Program Type:	PBS
Expiration Date:	N/A
UTM X:	583715.11395000003
UTM Y:	4509261.1316600004

Affiliation Records:

Site Id:	23287
Affiliation Type:	Owner
Company Name:	JEFFREY M BROWN ASSOCIATES INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	330 SEVENTH AVE, 18TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10001
Country Code:	001
Phone:	(212) 584-8215
Phone Ext:	Not reported

ATLAS PAPER STOCK CO. (Continued) **U001841871**

Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	23287
Affiliation Type:	Mail Contact
Company Name:	JEFFREY M BROWN ASSOC
Contact Type:	Not reported
Contact Name:	JORDON DECANDIA
Address1:	330 SEVENTH AVE
Address2:	18TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10001
Country Code:	001
Phone:	(212) 584-8200
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	23287
Affiliation Type:	On-Site Operator
Company Name:	ATLAS PAPER STOCK CO.
Contact Type:	Not reported
Contact Name:	J. DECANDIA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 584-8200
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	23287
Affiliation Type:	Emergency Contact
Company Name:	JEFFREY M BROWN ASSOCIATES INC
Contact Type:	Not reported
Contact Name:	J. DECANDIA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 584-8200
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT

ATLAS PAPER STOCK CO. (Continued) **U001841871**

Date Last Modified: 3/4/2004

Tank Info:

Site ID: 23287

Tank Number: 001
Tank ID: 45427
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F02 - Pipe External Protection - Original Sacrificial Anode
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
G04 - Tank Secondary Containment - Double-Walled (Underground)
B02 - Tank External Protection - Original Sacrificial Anode

Install Date: 04/01/1993
Capacity Gallons: 4000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 11/01/1998
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 23287

Tank Number: 002
Tank ID: 57439
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
C02 - Pipe Location - Underground/On-ground
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None

Install Date: 01/01/1934
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 11/01/1998
Tank Location: 5
Tank Type: Steel/carbon steel

ATLAS PAPER STOCK CO. (Continued) **U001841871**

Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	23287
Tank Number:	003
Tank ID:	57440
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None

Install Date:	01/01/1948
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1998
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	23287
Tank Number:	004
Tank ID:	57441
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
C02 - Pipe Location - Underground/On-ground
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None

Install Date:	01/01/1948
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1998

ATLAS PAPER STOCK CO. (Continued) **U001841871**

Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 23287

Tank Number: 005
Tank ID: 57442
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None
Install Date: 01/01/1944
Capacity Gallons: 2500
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 11/01/1998
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

HIST UST:
PBS Number: 2-601320
SPDES Number: Not reported
Emergency Contact: J. DECANDIA
Emergency Telephone: (212) 584-8200
Operator: J. DECANDIA
Operator Telephone: (212) 584-8200
Owner Name: JEFFREY M BROWN ASSOCIATES INC
Owner Address: 330 SEVENTH AVE, 18TH FLOOR
Owner City,St,Zip: NEW YORK, NY 10001
Owner Telephone: (212) 584-8215
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Name: JEFFREY M BROWN ASSOC
Mailing Address: 330 SEVENTH AVE
Mailing Address 2: 18TH FLOOR
Mailing City,St,Zip: NEW YORK, NY 10001
Mailing Contact: JORDON DECANDIA
Mailing Telephone: (212) 584-8200
Owner Mark: Second Owner

ATLAS PAPER STOCK CO. (Continued) **U001841871**

Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	589-591 WASHINGTON ST / 606-610 GREENICH
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	TRUCKING/TRANSPORTATION
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	06/12/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19930401
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Sacrificial Anode
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	Sacrificial Anode
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	High Level Alarm
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND

ATLAS PAPER STOCK CO. (Continued) **U001841871**

Tank Status:	Closed-Removed
Install Date:	19340101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19480101
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19480101
Capacity (gals):	550

ATLAS PAPER STOCK CO. (Continued) **U001841871**

Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19440101
Capacity (gals):	2500
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

C30 ESE < 1/8 0.038 mi. 202 ft. | **CLARKSON ST/WASHINGTON ST** | **NY Spills** | **S102446585**
CLARKSON ST/WASHINGTON ST | **NY Hist Spills** | **N/A**
MANHATTEN, NY

Site 1 of 3 in cluster C

Relative: Higher

Actual: 11 ft.

SPILLS:

Facility ID:	9610088
DER Facility ID:	128867
Facility Type:	ER
Site ID:	151632
DEC Region:	2
Spill Number:	9610088
Spill Date:	11/12/1996
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	11/13/1996
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	11/13/1996
CID:	233
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/13/1996
Spill Record Last Update:	12/4/1996
Spiller Name:	Not reported
Spiller Company:	UNK
Spiller Address:	Not reported
Spiller City,St,Zip:	***UPDATE***, ZZ
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	unk spiller spill on cobble stone apx 10 gallons spilled

Material:

Site ID:	151632
Operable Unit ID:	1041584
Operable Unit:	01
Material ID:	342301
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

CLARKSON ST/WASHINGTON ST (Continued) **S102446585**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9610088
Investigator:	MARTINKAT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/12/1996 12:00
Reported to Dept Date/Time:	11/13/96 08:55
SWIS:	62
Spiller Name:	UNK
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	12
Spill Notifier:	Citizen
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/13/96
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	11/13/96
Date Spill Entered In Computer Data File:	Not reported
Update Date:	12/04/96
Is Updated:	False

Tank:

PBS Number:	Not reported

CLARKSON ST/WASHINGTON ST (Continued) **S102446585**

Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: unk spiller spill on cobble stone apx 10 gallons spilled

---

B31 **LOT 28,TAXBLOCK 602** **NY E DESIGNATION** **S109318174**
ENE **601 WASHINGTON STREET** **N/A**
< 1/8 **MANHATTAN, NY 10014**
0.047 mi.
246 ft. **Site 6 of 7 in cluster B**

Relative:
Higher

Actual:
11 ft.

E DESIGNATION:
Tax Lot(s): 28
E-No: E-211
Effective Date: 7/23/2008
Satisfaction Date: Not reported
Ceqr Number: 07DCP095M
Ulurp Number: 070575ZMM
Zoning Map No: 12a
Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Borough Code: MN
Community District: 102
Census Tract: 69
Census Block: 2004
School District: 02
City Council District: 03
Fire Company: E024
Health Area: 15
Police Precinct: 006
Zone District 1: M1-5
Zone District 2: Not reported
Commercial Overlay1: Not reported
Commercial Overlay2: Not reported
Special Purpose District1: Not reported
Special Purpose District2: Not reported
All Components1: M1-5
All Components2: Not reported
Split Boundary Indicator: N
Building Class: E9
Land Use Category: 06
Number of Easements: 0
Owner, Type of Code: Not reported

LOT 28,TAXBLOCK 602 (Continued) **S109318174**

Owner Name:	LA FRIEDA, PATRICK L
Lot Area:	000008912
Total Building Floor Area:	00000008900
Commercial Floor Area:	00000008900
Office Floor Area:	00000000000
Retail Floor Area:	00000004900
Garage Floor Area:	00000000000
Storage Floor Area:	00000004000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00001
Non and Residential Units:	00004
Lot Frontage:	0050.00
Lot Depth:	0176.42
Building Frontage:	0050.00
Building Depth:	0178.00
Proximity Code:	3
Irregular Lot Code:	Y
Lot Type:	3
Basement Type Grade:	5
Land Assessed Value:	00000270000
Total Assessed Value:	00000345150
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1920
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	5.00
Borough Code:	1
Borough Tax Block And Lot:	1006020028
Condominium Number:	00000
Census Tract 2:	0069
X Coordinate:	0981862
Y Coordinate:	0205416
Zoning Map:	12A
Sanborn Map:	103 001
Tax Map:	10208
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

B32
ENE
< 1/8
0.047 mi.
246 ft.

601 WASHINGTON ST
NEW YORK, NY 10014

EDR US Hist Auto Stat **1015568948**
N/A

Site 7 of 7 in cluster B

Relative:
Higher

Actual:
11 ft.

EDR Historical Auto Stations:

Name: AMSTERDAM TOWING & REPAIR
Year: 2006
Address: 601 WASHINGTON ST

Name: AMSTERDAM TOWING & REPAIR
Year: 2007
Address: 601 WASHINGTON ST

Name: AMSTERDAM TOWING & REPAIR
Year: 2009
Address: 601 WASHINGTON ST

Name: AMSTERDAM TOWING & REPAIR
Year: 2010
Address: 601 WASHINGTON ST

Name: AMSTERDAM TOWING & REPAIR
Year: 2011
Address: 601 WASHINGTON ST

Name: AMSTERDAM TOWING & REPAIR
Year: 2012
Address: 601 WASHINGTON ST

C33
SE
< 1/8
0.053 mi.
281 ft.

575 WASHINGTON ST
NEW YORK, NY 10014

EDR US Hist Auto Stat **1015558744**
N/A

Site 2 of 3 in cluster C

Relative:
Higher

Actual:
10 ft.

EDR Historical Auto Stations:

Name: R & B REPAIRS INC
Year: 2001
Address: 575 WASHINGTON ST

D34
SSW
< 1/8
0.056 mi.
296 ft.

CON EDISON CO OF NY,INC.
WEST & HOUSTON ST. WEST & HOUS
NEW YORK, NY 10003

CT MANIFEST **S109787248**
N/A

Site 1 of 5 in cluster D

Relative:
Higher

Actual:
7 ft.

CT MANIFEST:

Waste:

Manifest No: CTF0836481
Waste Occurence: 1
UNNA: 3077
Hazard Class: 9
US Dot Description: ENVIRONMENTALLY HAZ. SUBSTANCES,SOLID
No of Containers: 001
Container Type: DT
Quantity: 3

CON EDISON CO OF NY,INC. (Continued) **S109787248**

Weight/Volume:	Y
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	4/27/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	CTF0836481
Waste Occurence:	1
EPA Waste Code:	D008
Recycled Waste?:	F
Date Record Was Last Modified:	4/27/2004
DEO Who Last Modified Record:	IG

Detail:

Year:	2001
Manifest ID:	CTF0836481
TSDF EPA ID:	CTD000604488
TSDF Name:	CLEAN HARBORS OF CONNECTICUT INC
TSDF Address:	51 BRODERICK RD
TSDF City,St,Zip:	BRISTOL, CT 06010
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	5/3/2001
Transporter EPA ID:	MAD039322250
Transporter Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	5/4/2001
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYP004081493
Generator Phone:	Not reported
Generator Mailing Addr:	378 WEST ST. HOSETON + SPRINT N.Y.
Generator Mailing Town:	Not reported
Generator Mailing State:	NY
Generator Mailing Zip:	Not reported
Generator Mailing Country:	USA
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	5/3/2001
Date Received:	5/4/2001
Last modified date:	4/27/2004
Last modified by:	IG
Comments:	Not reported

D35 SSW < 1/8 0.056 mi. 296 ft. | **PIER 40 OPERATING LLC**
WEST & W HOUSTON ST
NEW YORK, NY 10014 | **RCRA NonGen / NLR**
FINDS
NY MANIFEST | **1000446171**
NYD986914026

Site 2 of 5 in cluster D

Relative: Higher

Actual: 7 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	PIER 40 OPERATING LLC
Facility address:	WEST & W HOUSTON ST NEW YORK, NY 10014
EPA ID:	NYD986914026
Contact:	BEN KORMAN
Contact address:	WEST & W HOUSTON ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 229-1044
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BEN KORMAN PIER 40 LLC
Owner/operator address:	WEST & W HOUSTON ST NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 229-1044
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	BEN KORMAN PIER 40 LLC
Owner/operator address:	WEST & W HOUSTON ST NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 229-1044
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

PIER 40 OPERATING LLC (Continued) **1000446171**

Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: PIER 40 OPERATING LLC
Classification: Not a generator, verified

Date form received by agency: 02/02/1998
Facility name: PIER 40 OPERATING LLC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008043517

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD986914026
Country: USA
Mailing Name: NYCDOC - MARITIME FACILITY 1
Mailing Contact: SHEILA VAUGHAN
Mailing Address: PIER 40 BETW WEST & HOUSTON ST
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10014
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-886-2300

Document ID: NYG0356499
Manifest Status: Not reported
Trans1 State ID: NYD082785429
Trans2 State ID: Not reported
Generator Ship Date: 02/06/1998
Trans1 Recv Date: 02/06/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/06/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986914026
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PX3640
Waste Code: F003 - UNKNOWN
Quantity: 00110

PIER 40 OPERATING LLC (Continued) **1000446171**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00020
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

D36 SSW < 1/8 0.056 mi. 296 ft. **CON EDISON CO OF NYC,INC.** **CT MANIFEST** **S109787215**
WEST ST. & HOUSTON **N/A**
MANHATTAN, NY

Site 3 of 5 in cluster D

Relative: Higher

Actual: 7 ft.

CT MANIFEST:

Waste:

Manifest No:	CTF0834002
Waste Occurence:	1
UNNA:	3077
Hazard Class:	9
US Dot Description:	ENVIRONMENTALLY HAZ. SUBSTANCES,SOLID
No of Containers:	001
Container Type:	DT
Quantity:	1
Weight/Volume:	Y
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	4/27/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	CTF0834002
Waste Occurence:	1
EPA Waste Code:	D008
Recycled Waste?:	F
Date Record Was Last Modified:	4/27/2004
DEO Who Last Modified Record:	IG

Detail:

Year:	2001
Manifest ID:	CTF0834002
TSDF EPA ID:	CTD000604488
TSDF Name:	CLEAN HARBORS OF CONNECTICUT INC
TSDF Address:	51 BRODERICK RD
TSDF City,St,Zip:	BRISTOL, CT 06010
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	4/19/2001
Transporter EPA ID:	MAD039322250
Transporter Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.

CON EDISON CO OF NYC,INC. (Continued) **S109787215**

Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	4/20/2001
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYP004080263
Generator Phone:	2123384488
Generator Mailing Addr:	WEST ST. & HOUSTON MANHATTAN
Generator Mailing Town:	Not reported
Generator Mailing State:	NY
Generator Mailing Zip:	Not reported
Generator Mailing Country:	USA
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	4/19/2001
Date Received:	4/20/2001
Last modified date:	4/27/2004
Last modified by:	IG
Comments:	Not reported

D37 **CON ED** **CT MANIFEST** **S109786547**
SSW **WEST HOUSTON ST. & WEST ST.** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.057 mi.
299 ft. **Site 4 of 5 in cluster D**

Relative:
Higher

Actual:
7 ft.

CT MANIFEST:

Waste:

Manifest No:	CTF0840632
Waste Occurence:	1
UNNA:	1268
Hazard Class:	3
US Dot Description:	petroleum distillates nos
No of Containers:	001
Container Type:	TT
Quantity:	43
Weight/Volume:	G
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	4/27/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	CTF0840632
Waste Occurence:	1
EPA Waste Code:	D001
Recycled Waste?:	F
Date Record Was Last Modified:	4/27/2004
DEO Who Last Modified Record:	IG

Detail:

CON ED (Continued) **S109786547**

Year:	2000
Manifest ID:	CTF0840632
TSDF EPA ID:	CTD002593887
TSDF Name:	BRIDGEPORT UNITED RECYCLE (FORMERLY HITCHCOCK GAS)
TSDF Address:	50 CROSS STREET
TSDF City,St,Zip:	BRIDGEPORT, CT 06608
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	6/6/2000
Transporter EPA ID:	NYD986908085
Transporter Name:	MILLER ENVIRONMENTAL GROUP INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	6/8/2000
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYP004056834
Generator Phone:	2123384814
Generator Mailing Addr:	WEST HOUSTON ST. & WEST ST. NEW YORK
Generator Mailing Town:	Not reported
Generator Mailing State:	NY
Generator Mailing Zip:	10013
Generator Mailing Country:	USA
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	6/6/2000
Date Received:	6/8/2000
Last modified date:	4/27/2004
Last modified by:	IG
Comments:	Not reported

D38 **CONSOLIDATED EDISON** **NY MANIFEST** **1009239072**
SSW **W HOUSTON ST & WEST ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.057 mi.
299 ft. **Site 5 of 5 in cluster D**

Relative:
Higher

Actual:
7 ft.

NY MANIFEST:

EPA ID:	NYP004056834
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808
Document ID:	CTF0840632

CONSOLIDATED EDISON (Continued) **1009239072**

Manifest Status:	Not reported
Trans1 State ID:	NYD986908085
Trans2 State ID:	Not reported
Generator Ship Date:	06/06/2000
Trans1 Recv Date:	06/06/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/08/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004056834
Trans1 EPA ID:	CTD002593887
Trans2 EPA ID:	Not reported
TSDF ID:	NY72281Z
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00043
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

E39 **STATE PROJECT 9A** **NY Spills** **S102663702**
North **WEST ST & MORTON ST** **NY Hist Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.058 mi.
308 ft. **Site 1 of 3 in cluster E**

Relative:
Lower

Actual:
5 ft.

SPILLS:

Facility ID:	9707716
DER Facility ID:	138489
Facility Type:	ER
Site ID:	164237
DEC Region:	2
Spill Number:	9707716
Spill Date:	9/30/1997
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
Spill Closed Date:	10/1/1997
SWIS:	3101
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	9/30/1997
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/30/1997
Spill Record Last Update:	7/3/2000
Spiller Name:	LISA LUKSHIDES
Spiller Company:	STATE PROJECT 9A

STATE PROJECT 9A (Continued) **S102663702**

Spiller Address:	WEST ST & MORTON ST
Spiller City,St,Zip:	MANHATTAN, ZZ
Spiller Company:	001
Contact Name:	LISA LUKSHIDES
Contact Phone:	(212) 580-8383
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"DEC INSPECTOR NOTES9-30Lisa LokshidesSewer project on westside, sheen is in excavation next to where Con Ed is working.Con Ed is relocating gas main to accomadate municipal
Remarks:	SHEEN WAS DISCOVERED IN A 1 YARD AREA OF EXCAVATION SITECON ED CALL WITH UPDATE AT 18:57 SPILL IS AFFECTING MANHOLE # 51756 LOCATED AT THE NE CORNER OF MORTON ST AND WEST ST 10 GALLONS OF SLUDGE AND WATER IN MANHOLE WITH STRONG ODOR - MANHOLE HAVE BE DEMOLISHED DUE TO CONSTRUCTION

Material:

Site ID:	164237
Operable Unit ID:	1054097
Operable Unit:	01
Material ID:	566600
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Facility ID:	0202120
DER Facility ID:	138489
Facility Type:	ER
Site ID:	164236
DEC Region:	2
Spill Number:	0202120
Spill Date:	5/29/2002
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	8/5/2002
SWIS:	3101
Investigator:	MCTIBBE
Referred To:	Not reported

STATE PROJECT 9A (Continued) **S102663702**

Reported to Dept:	5/29/2002
CID:	390
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/29/2002
Spill Record Last Update:	8/5/2002
Spiller Name:	SAME
Spiller Company:	NYC TRANSIT
Spiller Address:	370 JAY ST
Spiller City,St,Zip:	BROOKLYN, NY 11201-
Spiller Company:	001
Contact Name:	PASHKO CAMAJ
Contact Phone:	(718) 243-4581
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"CONTAINED AND CLEANED BY NYCT AND NYC DOS.
Remarks:	line broke on bus #4159 - spill was contained and cleaned up

Material:

Site ID:	164236
Operable Unit ID:	855120
Operable Unit:	01
Material ID:	523530
Material Code:	0021
Material Name:	Transmission Fluid
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	5
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2

STATE PROJECT 9A (Continued) **S102663702**

Spill Number:	9707716
Investigator:	ENGELHARDT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	09/30/1997 14:30
Reported to Dept Date/Time:	09/30/97 15:03
SWIS:	62
Spiller Name:	STATE PROJECT 9A
Spiller Contact:	LISA LUKSHIDES
Spiller Phone:	(212) 580-8383
Spiller Contact:	LISA LUKSHIDES
Spiller Phone:	(212) 580-8383
Spiller Address:	WEST ST & MORTON ST
Spiller City,St,Zip:	MANHATTAN
Spill Cause:	Unknown
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
Spill Closed Dt:	10/01/97
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	09/30/97
Date Spill Entered In Computer Data File:	Not reported
Update Date:	07/03/00
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	UNKNOWN PETROLEUM

STATE PROJECT 9A (Continued) **S102663702**

Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: DEC INSPECTOR NOTES 9-30 Lisa Lokshides Sewer project on westside, sheen is in excavation next to where Con Ed is working. Con Ed is relocating gas main to accomadate municipal
Remark: SHEEN WAS DISCOVERED IN A 1 YARD AREA OF EXCAVATION SITE CON ED CALL WITH UPDATE AT 18:57 SPILL IS AFFECTING MANHOLE 51756 LOCATED AT THE NE CORNER OF MORTON ST AND WEST ST 10 GALLONS OF SLUDGE AND WATER IN MANHOLE WITH STRONG ODOR - MANHOLE HAVE BE DEMOLISHED DUE TO CONSTRUCTION

C40
SSE
< 1/8
0.061 mi.
321 ft.

MERRILL LYNCH & CO
570 WASHINGTON ST
NEW YORK, NY 10014

RCRA NonGen / NLR **1000912069**
FINDS **NY0000441147**
NY MANIFEST

Site 3 of 3 in cluster C

Relative:
Higher

Actual:
10 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: MERRILL LYNCH & CO
Facility address: 570 WASHINGTON ST
NEW YORK, NY 10014
EPA ID: NY0000441147
Mailing address: WASHINGTON ST
NEW YORK, NY 10014
Contact: ANTHONY PONZO
Contact address: WASHINGTON ST
NEW YORK, NY 10014
Contact country: US
Contact telephone: (212) 236-0621
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: EUGENE GRANT & CO
Owner/operator address: 277 PARK AVE 47TH FLOOR
NEW YORK, NY 10172
Owner/operator country: US
Owner/operator telephone: (212) 688-4700
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: EUGENE GRANT & CO
Owner/operator address: 277 PARK AVE 47TH FLOOR
NEW YORK, NY 10172
Owner/operator country: US
Owner/operator telephone: (212) 688-4700
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

MERRILL LYNCH & CO (Continued) **1000912069**

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 01/01/2006
Facility name: MERRILL LYNCH & CO
Classification: Not a generator, verified

Date form received by agency: 05/22/1998
Facility name: MERRILL LYNCH & CO
Classification: Large Quantity Generator

Date form received by agency: 11/21/1997
Facility name: MERRILL LYNCH & CO
Classification: Small Quantity Generator

Date form received by agency: 12/13/1996
Facility name: MERRILL LYNCH & CO
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110000848496

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID: NY0000441147
Country: USA
Mailing Name: MERRILL LYNCH
Mailing Contact: JOHN P BERNABED
Mailing Address: 570 WASHINGTON ST
Mailing Address 2: Not reported

MERRILL LYNCH & CO (Continued) **1000912069**

Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10080
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-647-2684

Document ID:	NJA2259842
Manifest Status:	Completed copy
Trans1 State ID:	S6993
Trans2 State ID:	Not reported
Generator Ship Date:	960830
Trans1 Recv Date:	960830
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960830
Part A Recv Date:	Not reported
Part B Recv Date:	960920
Generator EPA ID:	NY0000441147
Trans1 EPA ID:	NJD980772768
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NYG0412758
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PD1011NY
Trans2 State ID:	Not reported

MERRILL LYNCH & CO (Continued) **1000912069**

Generator Ship Date:	971201
Trans1 Recv Date:	971201
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971201
Part A Recv Date:	971218
Part B Recv Date:	980210
Generator EPA ID:	NY0000441147
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00210
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00260
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00090
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NJA1820977
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE086
Trans2 State ID:	Not reported
Generator Ship Date:	940928
Trans1 Recv Date:	940928
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940928
Part A Recv Date:	Not reported
Part B Recv Date:	941012
Generator EPA ID:	NY0000441147
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03300
Units:	P - Pounds
Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

41 NW < 1/8 0.075 mi. 396 ft. | **MORTON ST-GREENWICH VILL. PIER 42 -MORTON ST NEW YORK CITY, NY** | **NY Spills** | **S102148319**
NY Hist Spills | **N/A**

Relative: Lower

Actual: 0 ft.

SPILLS:

Facility ID:	9403006
DER Facility ID:	73229
Facility Type:	ER
Site ID:	78718
DEC Region:	2
Spill Number:	9403006
Spill Date:	6/1/1994
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	6/1/1994
SWIS:	3101
Investigator:	CAMMISA
Referred To:	Not reported
Reported to Dept:	6/1/1994
CID:	Not reported
Water Affected:	HUDSON RIVER
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	6/1/1994
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/25/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	COMING FROM A PIPE FROM PIER 42 AREA- U.S.C.G. WILL NOT RESPOND I- UNKNOWN IWCS DEP NOTIFIED .

Material:

Site ID:	78718
Operable Unit ID:	1000036
Operable Unit:	01
Material ID:	383176
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

MORTON ST-GREENWICH VILL. (Continued) **S102148319**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9403006
Investigator:	CAMMISA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	06/01/1994 11:30
Reported to Dept Date/Time:	06/01/94 11:51
SWIS:	62
Spiller Name:	UNKNOWN
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Unknown
Reported to Dept:	Surface Water
Water Affected:	HUDSON RIVER
Spill Source:	12
Spill Notifier:	Federal Government
PBS Number:	Not reported
Cleanup Ceased:	06/01/94
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	06/01/94
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	07/25/94
Date Spill Entered In Computer Data File:	Not reported
Update Date:	/ /
Is Updated:	False

Tank:

PBS Number:	Not reported

MORTON ST-GREENWICH VILL. (Continued) **S102148319**

Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: WHITE SUBSTANCE.
Remark: COMING FROM A PIPE FROM PIER 42 AREA- U.S.C.G. WILL NOT RESPOND I- UNKNOWN IWCS DEP NOTIFIED .

F42
East
< 1/8
0.076 mi.
400 ft.

609 GREENWICH ST **NY Spills** **S107787137**
609 GREENWICH ST **N/A**
NEW YORK, NY

Site 1 of 9 in cluster F

Relative:
Higher

Actual:
12 ft.

SPILLS:
Facility ID: 0600251
DER Facility ID: 312454
Facility Type: ER
Site ID: 362217
DEC Region: 2
Spill Number: 0600251
Spill Date: 4/7/2006
Spill Cause: Unknown
Spill Class: Not reported
Spill Closed Date: 4/10/2006
SWIS: 3101
Investigator: rvketani
Referred To: Not reported
Reported to Dept: 4/7/2006
CID: 407
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Fire Department
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 4/7/2006
Spill Record Last Update: 4/10/2006
Spiller Name: DISPATCHER 187
Spiller Company: Not reported

609 GREENWICH ST (Continued) **S107787137**

Spiller Address:	609 GREENWICH ST
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	001
Contact Name:	DISPATCHER 187
Contact Phone:	(212) 629-2900
DEC Memo:	DEC Ketani took the call - spoke to DEC Jane O'Connell who said to close it.
Remarks:	Not reported

Material:

Site ID:	362217
Operable Unit ID:	1120320
Operable Unit:	01
Material ID:	2109816
Material Code:	0050A
Material Name:	FREON
Case No.:	Not reported
Material FA:	Other
Quantity:	30
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

F43
East
< 1/8
0.079 mi.
415 ft.

129 LEROY ST
MANHATTAN, NY

NY Spills **S104787624**
NY Hist Spills **N/A**

Site 2 of 9 in cluster F

Relative:
Higher

Actual:
12 ft.

SPILLS:

Facility ID:	0004935
DER Facility ID:	160723
Facility Type:	ER
Site ID:	192756
DEC Region:	2
Spill Number:	0004935
Spill Date:	7/25/2000
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	7/25/2000
SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported

(Continued) **S104787624**

Reported to Dept:	7/25/2000
CID:	281
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/25/2000
Spill Record Last Update:	7/25/2000
Spiller Name:	Not reported
Spiller Company:	DJ CARLISE REALITY
Spiller Address:	352 PARK AVE SOUTH
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	001
Contact Name:	KATY BORDONARO
Contact Phone:	(212) 675-3004
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"Burnt rubber smell from a burnt gasket on a drilling rig digging on the site.
Remarks:	CALLER STATES A CONSTRUCTION CREW AT ABOVE LOCATION PERFORMINGTEST BORING. SITE IS A FORMER GAS STATION AND TESTING CAUSINGAN ODOR IN AIR OF ABOVE MATERIALS. CALLER IS REQUESTING TO SPEAK TO REP FROM REGIONAL OFFICE.

Material:

Site ID:	192756
Operable Unit ID:	825984
Operable Unit:	01
Material ID:	549672
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	192756
Operable Unit ID:	825984
Operable Unit:	01
Material ID:	549671
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

(Continued) **S104787624**

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	0004935
Investigator:	SANGESLAND
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	07/25/2000 13:47
Reported to Dept Date/Time:	07/25/00 13:47
SWIS:	62
Spiller Name:	DJ CARLISE REALITY
Spiller Contact:	Not reported
Spiller Phone:	(212) 481-8200
Spiller Contact:	KATY BORDONARO
Spiller Phone:	(212) 675-3004
Spiller Address:	352 PARK AVE SOUTH
Spiller City,St,Zip:	NEW YORK, NY
Spill Cause:	Other
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	07/25/00
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	07/25/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	07/25/00
Is Updated:	False

Tank:

(Continued) **S104787624**

PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Burnt rubber smell from a burnt gasket on a drilling rig digging on the site.
Remark: CALLER STATES A CONSTRUCTION CREW AT ABOVE LOCATION PERFORMING TEST BORING. SITE IS A FORMER GAS STATION AND TESTING CAUSING AN ODOR IN AIR OF ABOVE MATERIALS. CALLER IS REQUESTING TO SPEAK TO REP FROM REGIONAL OFFICE.

F44 **NY LTANKS** **S104619823**
East **130 LEROY STREET** **NY HIST LTANKS** **N/A**
< 1/8 **MANHATTEN, NY**
0.079 mi.
415 ft. **Site 3 of 9 in cluster F**

Relative:
Higher

Actual:
12 ft.

LTANKS:
Site ID: 303800
Spill No: 9810520
Spill Date: 11/19/1998
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/23/1999
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: MMMULQUE
Referred To: Not reported
Reported to Dept: 11/19/1998
CID: 281

(Continued) **S104619823**

Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/19/1998
Spill Record Last Update:	12/23/1999
Spiller Name:	JORDAN DECANDIA
Spiller Company:	LEROY CLARKSON LLC
Spiller Address:	2337 PHILMONT AVE
Spiller City,St,Zip:	HUNTINGDON, PA 19006-
Spiller County:	001
Spiller Contact:	JORDAN DECANDI
Spiller Phone:	(215) 938-5000
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	245449
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"cLOSED 12/23/99 BY TOMASELLO. sEE dEC FILE.
Remarks:	CALLER RESPONDED TO ABOVE LOCATION FOR TANK REMOVAL ASSESMENT.ASSESMENT REVEALS SOIL CONTAMINATION ON SITE. APPROX. 6-8 YARDSOF SOIL REMOVED AND CONTAINED ON SITE. FURTHER TESTING TO BE DONE. CALLER HAS MET WITH MIKE MULGREEN FROM DEC ON THIS DATE.NO CALL BACK REQUESTEDED.

Material:

Site ID:	303800
Operable Unit ID:	1067744
Operable Unit:	01
Material ID:	314392
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2

(Continued) **S104619823**

Spill Number:	9810520
Spill Date:	11/19/1998
Spill Time:	14:18
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/23/99
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	MULQUEEN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	11/19/98
Reported to Department Time:	15:21
SWIS:	62
Spiller Contact:	JORDAN DECANDI
Spiller Phone:	(215) 938-5000
Spiller Extention:	Not reported
Spiller Name:	LEROY CLARKSON LLC
Spiller Address:	2337 PHILMONT AVE
Spiller City,St,Zip:	HUNTINGDON, PA 19006-
Spiller Cleanup Date:	/ /
Facility Contact:	JORDAN DECANDIA
Facility Phone:	(215) 938-5000
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	11/19/98
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	12/23/99
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

(Continued) **S104619823**

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	cLOSED 12/23/99 BY TOMASELLO. sEE dEC FILE.
Spill Cause:	CALLER RESPONDED TO ABOVE LOCATION FOR TANK REMOVAL ASSESMENT. ASSESMENT REVEALS SOIL CONTAMINATION ON SITE. APPROX. 6-8 YARDS OF SOIL REMOVED AND CONTAINED ON SITE. FURTHER TESTING TO BE DONE. CALLER HAS MET WITH MIKE MULGREEN FROM DEC ON THIS DATE. NO CALL BACK REQUESTEDED.

F45
ENE
< 1/8
0.082 mi.
434 ft.

LOT 85,TAXBLOCK 602
621 GREENWICH STREET
MANHATTAN, NY 10014

NY E DESIGNATION **S109318178**
N/A

Site 4 of 9 in cluster F

Relative:
Higher

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	85
E-No:	E-211
Effective Date:	7/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	07DCP095M
Ulurp Number:	070575ZMM
Zoning Map No:	12a
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	MN
Community District:	102
Census Tract:	69
Census Block:	1002
School District:	02
City Council District:	03
Fire Company:	E024
Health Area:	15
Police Precinct:	006
Zone District 1:	M1-5
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	M1-5
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	KMG GREENWICH LLC
Lot Area:	000013100
Total Building Floor Area:	00000007370
Commercial Floor Area:	00000007370

LOT 85,TAXBLOCK 602 (Continued) **S109318178**

Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000007370
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0055.75
Lot Depth:	0134.50
Building Frontage:	0055.00
Building Depth:	0134.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	4
Basement Type Grade:	5
Land Assessed Value:	00000382500
Total Assessed Value:	00000531000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1900
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.56
Maximum Allowable Far:	5.00
Borough Code:	1
Borough Tax Block And Lot:	1006020085
Condominium Number:	00000
Census Tract 2:	0069
X Coordinate:	0982108
Y Coordinate:	0205420
Zoning Map:	12A
Sanborn Map:	103 001
Tax Map:	10208
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	85
E-No:	E-211
Effective Date:	7/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	07DCP095M
Ulurp Number:	070575ZMM

LOT 85,TAXBLOCK 602 (Continued) **S109318178**

Zoning Map No:	12a
Description:	Exhaust stack location limitations
Borough Code:	MN
Community District:	102
Census Tract:	69
Census Block:	1002
School District:	02
City Council District:	03
Fire Company:	E024
Health Area:	15
Police Precinct:	006
Zone District 1:	M1-5
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	M1-5
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	KMG GREENWICH LLC
Lot Area:	000013100
Total Building Floor Area:	00000007370
Commercial Floor Area:	00000007370
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000007370
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0055.75
Lot Depth:	0134.50
Building Frontage:	0055.00
Building Depth:	0134.00
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	4
Basement Type Grade:	5
Land Assessed Value:	00000382500
Total Assessed Value:	00000531000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1900
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported

LOT 85,TAXBLOCK 602 (Continued) **S109318178**

Built Floor Area Ratio-Far:	0000.56
Maximum Allowable Far:	5.00
Borough Code:	1
Borough Tax Block And Lot:	1006020085
Condominium Number:	00000
Census Tract 2:	0069
X Coordinate:	0982108
Y Coordinate:	0205420
Zoning Map:	12A
Sanborn Map:	103 001
Tax Map:	10208
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

G46 **ST. JOHN'S CENTER** **NY AST** **A100320133**
SE **333 W. HOUSTON STREET** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.083 mi.
438 ft. **Site 1 of 8 in cluster G**

Relative:
Higher

Actual:
11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-603077
Program Type:	PBS
UTM X:	583709.42255000002
UTM Y:	4509211.6640900001
Expiration Date:	2017/10/01

Affiliation Records:

Site Id:	25031
Affiliation Type:	Owner
Company Name:	340 WEST, LLC
Contact Type:	AGENT
Contact Name:	RICHARD FORTE
Address1:	277 PARK AVE., 47TH FL.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10172
Country Code:	001
Phone:	(212) 688-4700
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	4/14/2008

Site Id:	25031

ST. JOHN'S CENTER (Continued) **A100320133**

Affiliation Type:	Mail Contact
Company Name:	EUGENE M. GRANT & CO., LLC
Contact Type:	Not reported
Contact Name:	RICHARD FORTE
Address1:	277 PARK AVE.
Address2:	47TH FL.
City:	NEW YORK
State:	NY
Zip Code:	10172
Country Code:	001
Phone:	(212) 688-4700
Phone Ext:	Not reported
Email:	RFORTE8387@AOL.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	4/14/2008

Site Id:	25031
Affiliation Type:	On-Site Operator
Company Name:	ST. JOHNS CENTER
Contact Type:	Not reported
Contact Name:	RAY PICHARDO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 929-5075
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	4/14/2008

Site Id:	25031
Affiliation Type:	Emergency Contact
Company Name:	340 WEST, LLC
Contact Type:	Not reported
Contact Name:	RAY PICHARDO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(347) 386-6305
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	4/14/2008

Tank Info:

Tank Number:	001
Tank Id:	52925

ST. JOHN'S CENTER (Continued) **A100320133**

Equipment Records:

C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A01 - Tank Internal Protection - Epoxy Liner
G04 - Tank Secondary Containment - Double-Walled (Underground)
G99 - Tank Secondary Containment - Other
K00 - Spill Prevention - None
E02 - Piping Secondary Containment - Vault (with Access)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/01/1970
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	CGFREEDM
Last Modified:	04/14/2008

Tank Number:	002
Tank Id:	63800

Equipment Records:

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G99 - Tank Secondary Containment - Other
K00 - Spill Prevention - None
E02 - Piping Secondary Containment - Vault (with Access)
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
A01 - Tank Internal Protection - Epoxy Liner
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1971
Capacity Gallons:	275

ST. JOHN'S CENTER (Continued) **A100320133**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	CGFREEDM
Last Modified:	04/14/2008

G47 **MCI** **NY Spills** **S107408329**
SSE **560 WASHINGTON ST** **N/A**
< 1/8 **NEW YORK, NY**
0.083 mi.
440 ft. **Site 2 of 8 in cluster G**

Relative:
Higher

Actual:
10 ft.

SPILLS:

Facility ID:	0506181
DER Facility ID:	298620
Facility Type:	ER
Site ID:	351348
DEC Region:	2
Spill Number:	0506181
Spill Date:	8/19/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	8/22/2005
SWIS:	3101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	8/19/2005
CID:	407
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/19/2005
Spill Record Last Update:	8/22/2005
Spiller Name:	TODD HARRIS
Spiller Company:	MCI
Spiller Address:	560 WASHINGTON ST
Spiller City,St,Zip:	NEW YORK, NY 10014
Spiller Company:	001
Contact Name:	TODD HARRIS
Contact Phone:	(972) 729-5671
DEC Memo:	8/23/05-Vought-Site visit by DEC Vought and DEC Ketani as per DEC Austin. Spill of diesel from a 250 gallon AST on roof of site. Spill flushed down drain by NYFD. Clean Harbors onsite (Jime Cardone 732-248-1997). On site DEC met with Ray Pichardo (super 212-929-5075). Roof drain was connected to sewer as per DEP (Keith Williams) who had left site by time of DEC site visit. DEC spoke with senior operations manager (Al Miller 646-739-4953) and spill originated from vent pipe due to malfunction of pump. No leak from UST. Contractor enroute to fix pump. Spill cleaned using adsorbent

MCI (Continued) **S107408329**

	material and pads. No infiltration from roof to building and no odors were detected after building walkthrough by Miller. DEC also inspected adjacent Hudson river and did not find any sheen or free floating product. Spill closed by Vought.
Remarks:	clean up crew is en route.

Material:

Site ID:	351348
Operable Unit ID:	1108868
Operable Unit:	01
Material ID:	2098842
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

G48 **MCI D/B/A VERIZON BUSINESS** **NY AST** **A100139013**
SSE **560 WASHINGTON STREET** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.083 mi.
440 ft. **Site 3 of 8 in cluster G**

Relative:
Higher

Actual:
10 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-603912
Program Type:	PBS
UTM X:	583707.80579999997
UTM Y:	4509197.7685000002
Expiration Date:	2014/01/27

Affiliation Records:

Site Id:	25806
Affiliation Type:	Owner
Company Name:	VERIZON BUSINESS
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	2400 N. GLENVILLE DR.
Address2:	Not reported

MCI D/B/A VERIZON BUSINESS (Continued) **A100139013**

City:	RICHARDSON
State:	TX
Zip Code:	75082
Country Code:	001
Phone:	(972) 729-5441
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	4/20/2012

Site Id:	25806
Affiliation Type:	Mail Contact
Company Name:	VERIZON BUSINESS
Contact Type:	Not reported
Contact Name:	DAVID LELAND
Address1:	2400 NORTH GLENVILLE DRIVE
Address2:	Not reported
City:	RICHARDSON
State:	TX
Zip Code:	75082
Country Code:	001
Phone:	(972) 729-5441
Phone Ext:	Not reported
Email:	DAVID.LELAND@VERIZON.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	4/25/2012

Site Id:	25806
Affiliation Type:	On-Site Operator
Company Name:	MCI D/B/A VERIZON BUSINESS
Contact Type:	Not reported
Contact Name:	KENNY DEONARINE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 483-3900
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	4/20/2012

Site Id:	25806
Affiliation Type:	Emergency Contact
Company Name:	VERIZON BUSINESS
Contact Type:	Not reported
Contact Name:	EMERGENCY MGMT CENTER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

MCI D/B/A VERIZON BUSINESS (Continued) **A100139013**

Country Code:	999
Phone:	(800) 444-0902
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BHYUKOWE
Date Last Modified:	5/7/2012

Tank Info:

Tank Number:	1
Tank Id:	55984

Equipment Records:

E09 - Piping Secondary Containment - Modified Double-Walled (Aboveground)
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/01/1998
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/20/2012

Tank Number:	DAYTANK
Tank Id:	243738

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
E09 - Piping Secondary Containment - Modified Double-Walled (Aboveground)
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None

MCI D/B/A VERIZON BUSINESS (Continued) **A100139013**

D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/01/1998
Capacity Gallons:	200
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/20/2012

G49 **560 WASHINGTON ST** **NY LTANKS** **S102619295**
SSE **560 WASHINGTON ST** **NY HIST LTANKS** **N/A**
< 1/8 **MANHATTAN, NY** **NY Spills**
0.084 mi.
446 ft. **Site 4 of 8 in cluster G**

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	197877
Spill No:	9702743
Spill Date:	6/3/1997
Spill Cause:	Tank Failure
Spill Source:	Commercial Vehicle
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	6/4/1997
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	6/3/1997
CID:	211
Water Affected:	Not reported
Spill Notifier:	Fire Department
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/3/1997
Spill Record Last Update:	7/2/2004
Spiller Name:	Not reported
Spiller Company:	AIRBORNE EXPRESS
Spiller Address:	1531 PAPPETTI PLAZA
Spiller City,St,Zip:	ELIZABETH, NJ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	164675

560 WASHINGTON ST (Continued) **S102619295**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"HANDLED BY FDNY & NYCDEP
Remarks: CALLER REPORTS FUEL TANK ON VEHICLE HAD PUNCTURE HOLE IN IT - FD ON SCENE CONTAINED SPILL - APPROX 10 GALS WENT INTO SEWER

Material:
Site ID: 197877
Operable Unit ID: 1045474
Operable Unit: 01
Material ID: 335675
Material Code: 0008
Material Name: Diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: 40
Units: Gallons
Recovered: 30
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

HIST LTANKS:
Region of Spill: 2
Spill Number: 9702743
Spill Date: 06/03/1997
Spill Time: 20:31
Spill Cause: Tank Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: TIBBE
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported

560 WASHINGTON ST (Continued) **S102619295**

Reported to Department Date: 06/03/97
Reported to Department Time: 21:03
SWIS: 62
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: AIRBORNE EXPRESS
Spiller Address: 1531 PAPPETTI PLAZA
Spiller City,St,Zip: ELIZABETH, NJ
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Fire Department
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/03/97
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 06/04/97
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 40
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 30
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Spill Cause: CALLER REPORTS FUEL TANK ON VEHICLE HAD PUNCTURE HOLE IN IT - FD ON SCENE CONTAINED SPILL - APPROX 10 GALS WENT INTO SEWER

SPILLS:
Facility ID: 0103173
DER Facility ID: 164675
Facility Type: ER
Site ID: 197876
DEC Region: 2

560 WASHINGTON ST (Continued) **S102619295**

Spill Number:	0103173
Spill Date:	6/22/2001
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	6/29/2001
SWIS:	3101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	6/22/2001
CID:	205
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/22/2001
Spill Record Last Update:	6/29/2001
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"6/29/01 MANIFEST FOR DISPOSAL FORWARDED TO DEPARTMENTROOFTOP SPILL DURING GENERATOR INSTALLATION, NO DISCHARGE TO GROUND OR SEWER
Remarks:	leak in pipe. spill on roof. fire dept on scene.

Material:

Site ID:	197876
Operable Unit ID:	841878
Operable Unit:	01
Material ID:	535267
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported

560 WASHINGTON ST (Continued) **S102619295**

Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

G50 **NY Hist Spills** **S105055997**
SSE **560 WASHINGTON ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.084 mi.
446 ft. **Site 5 of 8 in cluster G**

Relative:
Higher

Actual:
10 ft.

NY Hist Spills:
Region of Spill: 2
Spill Number: 0103173
Investigator: TIPPLE
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 06/22/2001 10:10
Reported to Dept Date/Time: 06/22/01 10:26
SWIS: 62
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: ( ) -
Spiller Contact: CALLER
Spiller Phone: ( ) -
Spiller Address: Not reported
Spiller City,St,Zip: -
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 07
Spill Notifier: Local Agency
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/29/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 06/22/01
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/29/01
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported

(Continued) **S105055997**

Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 55
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: 6/29/01 MANIFEST FOR DISPOSAL FORWARDED TO DEPARTMENT ROOFTOP SPILL DURING GENERATOR INSTALLATION, NO DISCHARGE TO GROUND OR SEWER
Remark: leak in pipe. spill on roof. fire dept on scene.

F51 **LOT 55,TAXBLOCK 602** **NY E DESIGNATION** **S109318175**
ENE **623 GREENWICH STREET** **N/A**
< 1/8 **MANHATTAN, NY 10014**
0.085 mi.
447 ft. **Site 5 of 9 in cluster F**

Relative:
Higher

Actual:
13 ft.

E DESIGNATION:
Tax Lot(s): 55
E-No: E-211
Effective Date: 7/23/2008
Satisfaction Date: Not reported
Ceqr Number: 07DCP095M
Ulurp Number: 070575ZMM
Zoning Map No: 12a
Description: Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code: MN
Community District: 102
Census Tract: 69
Census Block: 1002
School District: 02
City Council District: 03
Fire Company: E024
Health Area: 15
Police Precinct: 006
Zone District 1: M1-5
Zone District 2: Not reported
Commercial Overlay1: Not reported
Commercial Overlay2: Not reported
Special Purpose District1: Not reported
Special Purpose District2: Not reported
All Components1: M1-5
All Components2: Not reported
Split Boundary Indicator: N
Building Class: K9
Land Use Category: 05
Number of Easements: 0
Owner, Type of Code: Not reported

LOT 55,TAXBLOCK 602 (Continued) **S109318175**

Owner Name:	KREEMY, LLC
Lot Area:	000000855
Total Building Floor Area:	00000000825
Commercial Floor Area:	00000000825
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000825
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0018.58
Lot Depth:	0043.75
Building Frontage:	0018.58
Building Depth:	0043.75
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000048150
Total Assessed Value:	00000071550
Land Exempt Value:	00000000000
Total Exempt Value:	00000010656
Year Built:	1915
Year Built Code:	E
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.96
Maximum Allowable Far:	5.00
Borough Code:	1
Borough Tax Block And Lot:	1006020055
Condominium Number:	00000
Census Tract 2:	0069
X Coordinate:	0982052
Y Coordinate:	0205447
Zoning Map:	12A
Sanborn Map:	103 001
Tax Map:	10208
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1
Tax Lot(s):	55
E-No:	E-211

LOT 55,TAXBLOCK 602 (Continued) **S109318175**

Effective Date:	7/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	07DCP095M
Ulurp Number:	070575ZMM
Zoning Map No:	12a
Description:	Exhaust stack location limitations
Borough Code:	MN
Community District:	102
Census Tract:	69
Census Block:	1002
School District:	02
City Council District:	03
Fire Company:	E024
Health Area:	15
Police Precinct:	006
Zone District 1:	M1-5
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	M1-5
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	KREEMY, LLC
Lot Area:	000000855
Total Building Floor Area:	00000000825
Commercial Floor Area:	00000000825
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000825
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0018.58
Lot Depth:	0043.75
Building Frontage:	0018.58
Building Depth:	0043.75
Proximity Code:	0
Irregular Lot Code:	Y
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000048150
Total Assessed Value:	00000071550
Land Exempt Value:	00000000000
Total Exempt Value:	00000010656
Year Built:	1915
Year Built Code:	E

LOT 55,TAXBLOCK 602 (Continued) **S109318175**

Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0000.96
Maximum Allowable Far:	5.00
Borough Code:	1
Borough Tax Block And Lot:	1006020055
Condominium Number:	00000
Census Tract 2:	0069
X Coordinate:	0982052
Y Coordinate:	0205447
Zoning Map:	12A
Sanborn Map:	103 001
Tax Map:	10208
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

E52 **34-36 MORTON ST** **NY AST** **A100292172**
North **36 MORTON STREET** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.087 mi.
462 ft. **Site 2 of 3 in cluster E**

Relative:
Lower

Actual:
5 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608165
Program Type:	PBS
UTM X:	584041.08259000001
UTM Y:	4509361.8457199996
Expiration Date:	2013/01/08

Affiliation Records:

Site Id:	30017
Affiliation Type:	Owner
Company Name:	UPPER BROADWAY LLC
Contact Type:	MGR
Contact Name:	STANLEY VICKERS
Address1:	428 EAST 83 ST - SUITE 1R
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10028
Country Code:	001
Phone:	(212) 628-2313
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported

34-36 MORTON ST (Continued) **A100292172**

Modified By:	msbaptis
Date Last Modified:	11/19/2007

Site Id:	30017
Affiliation Type:	Mail Contact
Company Name:	VICKERS REALTY
Contact Type:	Not reported
Contact Name:	STANLEY VICKERS
Address1:	428 EAST 83RD STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10028
Country Code:	001
Phone:	(212) 628-2313
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30017
Affiliation Type:	On-Site Operator
Company Name:	34-36 MORTON ST
Contact Type:	Not reported
Contact Name:	LAWRENCE DOWD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 304-0341
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	11/19/2007

Site Id:	30017
Affiliation Type:	Emergency Contact
Company Name:	UPPER BROADWAY LLC
Contact Type:	Not reported
Contact Name:	LAWRENCE DOWD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 304-0371
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

34-36 MORTON ST (Continued) **A100292172**

Tank Info:

Tank Number:	001
Tank Id:	64755

Equipment Records:

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/15/1930
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	msbaptis
Last Modified:	11/19/2007

E53 **34/36 MORTON STREET** **NY AST** **A100178286**
North **34/36 MORTON STREET** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.087 mi.
462 ft. **Site 3 of 3 in cluster E**

Relative:
Lower

Actual:
5 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-606064
Program Type:	PBS
UTM X:	584043.27029000001
UTM Y:	4509414.71655
Expiration Date:	2017/05/28

Affiliation Records:

Site Id:	27929
Affiliation Type:	Mail Contact
Company Name:	VICKERS REALTY, LTD.
Contact Type:	Not reported
Contact Name:	STANLEY VICKERS
Address1:	428 EAST 83RD STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10028
Country Code:	001

34/36 MORTON STREET (Continued) **A100178286**

Phone:	(212) 628-2313
Phone Ext:	Not reported
Email:	SVICKERS@VICKERSREALTYLTD.COM
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	4/26/2006

Site Id:	27929
Affiliation Type:	On-Site Operator
Company Name:	34/36 MORTON STREET
Contact Type:	Not reported
Contact Name:	LAWRENCE DOWD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 463-7662
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	27929
Affiliation Type:	Emergency Contact
Company Name:	UPPER BWAY LLC C/O VICKERS REALTY
Contact Type:	Not reported
Contact Name:	LAWRENCE DOWD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 304-0371
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	4/26/2006

Site Id:	27929
Affiliation Type:	Owner
Company Name:	UPPER BWAY LLC C/O VICKERS REALTY
Contact Type:	AGENT
Contact Name:	STANLEY VICKERS
Address1:	428 EAST 83RD STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10028
Country Code:	001
Phone:	(212) 628-2313
Phone Ext:	Not reported
Email:	Not reported

34/36 MORTON STREET (Continued) **A100178286**

Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 4/26/2006

Tank Info:

Tank Number: 001
Tank Id: 60905

Equipment Records:

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D00 - Pipe Type - No Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 07/20/1940
Capacity Gallons: 2020
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: BVCAMPBE
Last Modified: 03/13/2012

G54 **U.P.S.** **NJ MANIFEST** **S112010317**
SE **325 W HOUSTON ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.091 mi.
481 ft. **Site 6 of 8 in cluster G**

Relative:
Higher

Actual:
11 ft.

NJ MANIFEST:
Manifest Code: 000348543VES
EPA ID: NYD986902971
Date Shipped: 11/15/2011
TSDF EPA ID: NJD980536593
Transporter EPA ID: NJD080631369
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: Not reported
Date Trans2 Transported Waste: Not reported

U.P.S. (Continued) **S112010317**

Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	UPS
Transporter-1 EPA Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS CORP
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	11/15/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	11/18/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	200.00
Unit:	Pounds
Hand Code:	H141
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	200.00
Unit:	Pounds
Hand Code:	H141
Manifest Code:	000348543VES
EPA ID:	NYD986902971
Date Shipped:	11/15/2011
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported

U.P.S. (Continued) **S112010317**

Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	UPS
Transporter-1 EPA Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS CORP
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	11/15/2011
Waste SEQ ID:	2.00
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	11/18/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	200.00
Unit:	Pounds
Hand Code:	H141
Waste Code:	D008
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	200.00
Unit:	Pounds
Hand Code:	H141

H55 ENE < 1/8 0.091 mi. 481 ft. | **627 GREENWICH ST LLC**
627 GREENWICH STREET
NEW YORK, NY 10014 | **NY AST** | **U004107530**
N/A

Site 1 of 15 in cluster H

Relative: Higher

Actual: 12 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-607348
Program Type:	PBS
UTM X:	583754.76526000001
UTM Y:	4509273.3416600004
Expiration Date:	2010/01/20

Affiliation Records:

Site Id:	29201
Affiliation Type:	Mail Contact
Company Name:	PETER MOORE ASSOCIATES
Contact Type:	Not reported
Contact Name:	CHRISTOPHER DIAMOND
Address1:	515 CANAL STREET, 1C
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 925-7760
Phone Ext:	Not reported
Email:	CD@PETERMOOREPROJECTS.COM
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	8/10/2007

Site Id:	29201
Affiliation Type:	On-Site Operator
Company Name:	627 GREENWICH ST LLC
Contact Type:	Not reported
Contact Name:	RODNEY NICOLIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 944-4747
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	8/10/2007

Site Id:	29201
Affiliation Type:	Emergency Contact
Company Name:	627 GREEWICH LLC, C/O PMA
Contact Type:	Not reported
Contact Name:	ERIC GRANOWSKY
Address1:	Not reported
Address2:	Not reported

627 GREENWICH ST LLC (Continued) **U004107530**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 951-0514
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	8/10/2007

Site Id:	29201
Affiliation Type:	Owner
Company Name:	627 GREEWICH LLC, C/O PMA
Contact Type:	MANAGING AGENT
Contact Name:	PETER MOORE
Address1:	515 CANAL STREET 1C
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 925-7760
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	8/10/2007

Tank Info:

Tank Number:	002
Tank Id:	62800

Equipment Records:

F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Location:	4
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1995
Capacity Gallons:	3500
Tightness Test Method:	21
Date Test:	01/25/2002
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	08/10/2007

H56 ENE < 1/8 0.091 mi. 481 ft. | **ENTERPRISE PRESS 627 GREENWICH STREET NEW YORK, NY 10014** | **RCRA-SQG NY MANIFEST** | **1004760672 NYR000055582**

Site 2 of 15 in cluster H

Relative: Higher

Actual: 12 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	ENTERPRISE PRESS
Facility address:	627 GREENWICH STREET NEW YORK, NY 10014
EPA ID:	NYR000055582
Mailing address:	GREENWICH STREET NEW YORK, NY 10014
Contact:	MARIE MITCHELL
Contact address:	GREENWICH STREET NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 741-2111
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	ENTERPRISE INC
Owner/operator address:	627 GREENWICH ST NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 741-2111
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ENTERPRISE INC
Owner/operator address:	627 GREENWICH ST NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 741-2111
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

ENTERPRISE PRESS (Continued) **1004760672**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: ENTERPRISE PRESS
Classification: Small Quantity Generator

Date form received by agency: 10/02/2002
Facility name: ENTERPRISE PRESS
Classification: Large Quantity Generator

Date form received by agency: 01/01/2001
Facility name: ENTERPRISE PRESS
Site name: ENTERPRISE
Classification: Large Quantity Generator

Date form received by agency: 06/02/1998
Facility name: ENTERPRISE PRESS
Site name: ENTERPRISE INC
Classification: Conditionally Exempt Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: SR - 376.1(g)(1)(ii)
Area of violation: Generators - General
Date violation determined: 06/23/2005
Date achieved compliance: 07/28/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/15/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 372.2(a)(8)(iii)(b)
Area of violation: Generators - General
Date violation determined: 06/23/2005
Date achieved compliance: 07/28/2005
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/15/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

ENTERPRISE PRESS (Continued) **1004760672**

Regulation violated:	SR - 372.2(b)(2)(i)(ii)
Area of violation:	Generators - General
Date violation determined:	06/23/2005
Date achieved compliance:	06/23/2005
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	07/15/2005
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	SR - 373-3.3(g)(1)
Area of violation:	Generators - General
Date violation determined:	06/23/2005
Date achieved compliance:	06/23/2005
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	07/15/2005
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	SR - 372.2(b)(2)(i) & (ii)
Area of violation:	Generators - General
Date violation determined:	07/01/2004
Date achieved compliance:	06/23/2005
Violation lead agency:	State
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	10/04/2004
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	SR - 373-3.3(g)(1)(iv)
Area of violation:	Generators - General
Date violation determined:	07/01/2004
Date achieved compliance:	06/23/2005
Violation lead agency:	State
Enforcement action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date:	01/11/2005
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	5000
Paid penalty amount:	5000

Regulation violated:	SR - 372.2(a)(8)(iii)(e)(2)(i)

ENTERPRISE PRESS (Continued) **1004760672**

Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/04/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 372.2(a)(8)(iii)(e)(2)(ii)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 372.2(c)(3)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 373-3.3(g)(1)(i) & (iii)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/04/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 372.2(a)(8)(iii)(e)(2)(iii)
Area of violation: Generators - General

ENTERPRISE PRESS (Continued) **1004760672**

Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/04/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 372.2(a)(8)(ii)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/04/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 372.2(a)(8)(iii)(e)(2)(i)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 372.2(a)(8)(iii)(e)(2)(iii)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 373-3.3(g)(1)(i) & (iii)
Area of violation: Generators - General
Date violation determined: 07/01/2004

ENTERPRISE PRESS (Continued) **1004760672**

Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 372.2(b)(2)(i) & (ii)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 372.2(a)(8)(iii)(e)(2)(ii)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/04/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 373-3.9(d)(1)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/04/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 372.2(a)(8)(i)(a)(2)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005

ENTERPRISE PRESS (Continued) **1004760672**

Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 373-3.3(f)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/04/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 373-3.3(g)(1)(iv)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/04/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 373-3.9(c)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 373-3.3(f)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State

ENTERPRISE PRESS (Continued) **1004760672**

Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 372.2(a)(8)(i)(a)(2)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/04/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 373-3.9(d)(1)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 372.2(a)(8)(ii)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/11/2005
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 5000
Paid penalty amount: 5000

Regulation violated: SR - 373-3.9(c)
Area of violation: Generators - General
Date violation determined: 07/01/2004
Date achieved compliance: 06/23/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE

ENTERPRISE PRESS (Continued) **1004760672**

Enforcement action date: 10/04/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/28/2005
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/23/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/23/2005
Evaluation lead agency: State

Evaluation date: 06/23/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/28/2005
Evaluation lead agency: State

Evaluation date: 09/23/2004
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/01/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/23/2005
Evaluation lead agency: State

NY MANIFEST:
EPA ID: NYR000109652
Country: USA
Mailing Name: TANA WEB
Mailing Contact: SANTO PENA
Mailing Address: 627 GREENWICH STREET
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10014
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-741-2111

Document ID: NYG2978298
Manifest Status: Not reported
Trans1 State ID: NYD986974376

ENTERPRISE PRESS (Continued) **1004760672**

Trans2 State ID:	Not reported
Generator Ship Date:	02/08/2005
Trans1 Recv Date:	02/08/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/10/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	43344PA
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYG2978352
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	06/27/2005
Trans1 Recv Date:	06/27/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/01/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	PX1132
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYG2978442
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	09/21/2005
Trans1 Recv Date:	09/21/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/20/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	43344PA

ENTERPRISE PRESS (Continued) **1004760672**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00210
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYC5759234
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	Not reported
Generator Ship Date:	12/04/2002
Trans1 Recv Date:	12/04/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/11/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	KYD053348108
Trans2 EPA ID:	Not reported
TSDF ID:	NY55817JC
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00760
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NJA4013904
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	NJD071629976
Generator Ship Date:	01/30/2002
Trans1 Recv Date:	01/30/2002
Trans2 Recv Date:	02/01/2002
TSD Site Recv Date:	02/05/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NJD002182897
Trans2 EPA ID:	Not reported
TSDF ID:	08690
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02600
Units:	P - Pounds
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

ENTERPRISE PRESS (Continued) **1004760672**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00384
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC6843126
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	NJD071629976
Generator Ship Date:	08/14/2002
Trans1 Recv Date:	08/14/2002
Trans2 Recv Date:	08/16/2002
TSD Site Recv Date:	08/22/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	KYD053348108
Trans2 EPA ID:	Not reported
TSDF ID:	NJX9693L
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	05060
Units:	P - Pounds
Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC6599575
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	NJD071629976
Generator Ship Date:	04/17/2002
Trans1 Recv Date:	04/17/2002
Trans2 Recv Date:	04/19/2002
TSD Site Recv Date:	04/24/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	KYD053348108
Trans2 EPA ID:	Not reported
TSDF ID:	NJX9693L
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01840
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00460

ENTERPRISE PRESS (Continued) **1004760672**

Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC6587897
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	MOD095038998
Generator Ship Date:	10/31/2002
Trans1 Recv Date:	10/31/2002
Trans2 Recv Date:	11/08/2002
TSD Site Recv Date:	11/11/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	KYD053348108
Trans2 EPA ID:	Not reported
TSDF ID:	NY55817IL
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00920
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00210
Units:	P - Pounds
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC6597808
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	MID095038998
Generator Ship Date:	10/24/2002
Trans1 Recv Date:	10/24/2002
Trans2 Recv Date:	10/31/2002
TSD Site Recv Date:	11/03/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	KYD053348108
Trans2 EPA ID:	Not reported
TSDF ID:	NY55817IL
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01410
Units:	P - Pounds
Number of Containers:	004

ENTERPRISE PRESS (Continued) **1004760672**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG2978622
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	01/10/2006
Trans1 Recv Date:	01/10/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/17/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	38333PA
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2006

Document ID:	NYG2978685
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	03/14/2006
Trans1 Recv Date:	03/14/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/16/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	43344PA
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.

ENTERPRISE PRESS (Continued) **1004760672**

Specific Gravity:	01.00
Year:	2006

Document ID:	NYB8460603
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	05/21/2003
Trans1 Recv Date:	05/21/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/28/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2003

Document ID:	NYB8459649
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	06/02/1999
Trans1 Recv Date:	06/02/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/14/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	061
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

ENTERPRISE PRESS (Continued) **1004760672**

Document ID:	NYB8459838
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	01/27/1999
Trans1 Recv Date:	01/27/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/08/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8459865
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	03/09/1999
Trans1 Recv Date:	03/09/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/22/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8460045
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	08/04/1999
Trans1 Recv Date:	08/04/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/04/1999
Part A Recv Date:	Not reported

ENTERPRISE PRESS (Continued) **1004760672**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8460144
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	09/22/1999
Trans1 Recv Date:	09/22/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/01/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8460306
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	11/03/1999
Trans1 Recv Date:	11/03/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/15/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003

ENTERPRISE PRESS (Continued) **1004760672**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8460432
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	12/14/1999
Trans1 Recv Date:	12/14/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/27/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8458839
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	06/22/1998
Trans1 Recv Date:	06/22/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/01/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported

ENTERPRISE PRESS (Continued) **1004760672**

TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

Click this hyperlink while viewing on your computer to access
25 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID:	NYR000055582
Country:	USA
Mailing Name:	ENTERPRISE
Mailing Contact:	KAMESH
Mailing Address:	627 GREENWICH ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-741-2111

Document ID:	NYG2978298
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	02/08/2005
Trans1 Recv Date:	02/08/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/10/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	43344PA
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYG2978352
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	06/27/2005
Trans1 Recv Date:	06/27/2005

ENTERPRISE PRESS (Continued) **1004760672**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/01/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	PX1132
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYG2978442
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	09/21/2005
Trans1 Recv Date:	09/21/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/20/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	43344PA
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00210
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYC5759234
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	Not reported
Generator Ship Date:	12/04/2002
Trans1 Recv Date:	12/04/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/11/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	KYD053348108
Trans2 EPA ID:	Not reported
TSDF ID:	NY55817JC
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES

ENTERPRISE PRESS (Continued) **1004760672**

Quantity:	00760
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NJA4013904
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	NJD071629976
Generator Ship Date:	01/30/2002
Trans1 Recv Date:	01/30/2002
Trans2 Recv Date:	02/01/2002
TSD Site Recv Date:	02/05/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NJD002182897
Trans2 EPA ID:	Not reported
TSDF ID:	08690
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02600
Units:	P - Pounds
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00384
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC6843126
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	NJD071629976
Generator Ship Date:	08/14/2002
Trans1 Recv Date:	08/14/2002
Trans2 Recv Date:	08/16/2002
TSD Site Recv Date:	08/22/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	KYD053348108
Trans2 EPA ID:	Not reported
TSDF ID:	NJX9693L
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	05060
Units:	P - Pounds

ENTERPRISE PRESS (Continued) **1004760672**

Number of Containers:	011
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC6599575
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	NJD071629976
Generator Ship Date:	04/17/2002
Trans1 Recv Date:	04/17/2002
Trans2 Recv Date:	04/19/2002
TSD Site Recv Date:	04/24/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	KYD053348108
Trans2 EPA ID:	Not reported
TSDF ID:	NJX9693L
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01840
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00460
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC6587897
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	MOD095038998
Generator Ship Date:	10/31/2002
Trans1 Recv Date:	10/31/2002
Trans2 Recv Date:	11/08/2002
TSD Site Recv Date:	11/11/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	KYD053348108
Trans2 EPA ID:	Not reported
TSDF ID:	NY55817IL
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00920
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels

ENTERPRISE PRESS (Continued) **1004760672**

Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00210
Units:	P - Pounds
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYC6597808
Manifest Status:	Not reported
Trans1 State ID:	SCR000075150
Trans2 State ID:	MID095038998
Generator Ship Date:	10/24/2002
Trans1 Recv Date:	10/24/2002
Trans2 Recv Date:	10/31/2002
TSD Site Recv Date:	11/03/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	KYD053348108
Trans2 EPA ID:	Not reported
TSDF ID:	NY55817IL
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01410
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYG2978622
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	01/10/2006
Trans1 Recv Date:	01/10/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/17/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	38333PA
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00385
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

ENTERPRISE PRESS (Continued) **1004760672**

Year: 2006

Document ID: NYG2978685
Manifest Status: Not reported
Trans1 State ID: NYD986974376
Trans2 State ID: Not reported
Generator Ship Date: 03/14/2006
Trans1 Recv Date: 03/14/2006
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/16/2006
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000055582
Trans1 EPA ID: 43344PA
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00220
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00220
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2006

Document ID: NYB8460603
Manifest Status: Not reported
Trans1 State ID: NYD986974376
Trans2 State ID: Not reported
Generator Ship Date: 05/21/2003
Trans1 Recv Date: 05/21/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/28/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000055582
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: PX1132
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00385

ENTERPRISE PRESS (Continued) **1004760672**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2003

Document ID:	NYB8459649
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	06/02/1999
Trans1 Recv Date:	06/02/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/14/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	061
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8459838
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	01/27/1999
Trans1 Recv Date:	01/27/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/08/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8459865

ENTERPRISE PRESS (Continued) **1004760672**

Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	03/09/1999
Trans1 Recv Date:	03/09/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/22/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8460045
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	08/04/1999
Trans1 Recv Date:	08/04/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/04/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8460144
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	09/22/1999
Trans1 Recv Date:	09/22/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/01/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

ENTERPRISE PRESS (Continued) **1004760672**

Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8460306
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	11/03/1999
Trans1 Recv Date:	11/03/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/15/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8460432
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	12/14/1999
Trans1 Recv Date:	12/14/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/27/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429

ENTERPRISE PRESS (Continued) **1004760672**

Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYB8458839
Manifest Status:	Not reported
Trans1 State ID:	NYD986974376
Trans2 State ID:	Not reported
Generator Ship Date:	06/22/1998
Trans1 Recv Date:	06/22/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/01/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000055582
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX1132
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

Click this hyperlink while viewing on your computer to access
25 additional NY_MANIFEST: record(s) in the EDR Site Report.

H57 **TANA WEB INC** **RCRA-CESQG** **1006810291**
ENE **627 GREENWICH ST - 1ST FL** **FINDS** **NYR000109652**
< 1/8 **NEW YORK, NY 10014**
0.091 mi.
481 ft. **Site 3 of 15 in cluster H**

Relative:
Higher

Actual:
12 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	TANA WEB INC
Facility address:	627 GREENWICH ST - 1ST FL NEW YORK, NY 10014
EPA ID:	NYR000109652
Mailing address:	GREENWICH ST - 1ST FL

TANA WEB INC (Continued) **1006810291**

	NEW YORK, NY 10014
Contact:	MARIE MITCHELL
Contact address:	GREENWICH ST - 1ST FL NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 741-2111
Telephone ext.:	254
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	TANA WEB INC
Owner/operator address:	GREENWICH ST - 1ST FLOOR NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 741-2111
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/01/2002
Owner/Op end date:	Not reported

Owner/operator name:	TANA WEB INC
Owner/operator address:	GREENWICH ST - 1ST FLOOR NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 741-2111
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/01/2002
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

TANA WEB INC (Continued) **1006810291**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: TANA WEB INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/06/2004
Facility name: TANA WEB INC
Classification: Small Quantity Generator

Date form received by agency: 10/04/2002
Facility name: TANA WEB INC
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 07/01/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110013300579

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

G58
SE
< 1/8
0.094 mi.
497 ft.

UNITED PARCEL SERVICE
325 W HOUSTON ST
NEW YORK, NY 10013

Site 7 of 8 in cluster G

RCRA-SQG
FINDS
NY AST
NY CBS AST
NY MANIFEST
NY CBS

1000398445
NYD986902971

Relative:
Higher

Actual:
12 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	UNITED PARCEL SERVICE
Facility address:	325 W HOUSTON ST NEW YORK, NY 10013
EPA ID:	NYD986902971
Mailing address:	W HOUSTON ST NEW YORK, NY 10013
Contact:	Not reported
Contact address:	W HOUSTON ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	UNITED PARCEL SERVICE
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	UNITED PARCEL SERVICE
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

UNITED PARCEL SERVICE (Continued) **1000398445**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: UNITED PARCEL SERVICE
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/14/1999
Facility name: UNITED PARCEL SERVICE
Classification: Small Quantity Generator

Date form received by agency: 05/30/1990
Facility name: UNITED PARCEL SERVICE
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Listing - General
Date violation determined: 10/27/2010
Date achieved compliance: 12/02/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/04/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 12/07/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 10/27/2010
Date achieved compliance: 10/27/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/04/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 12/07/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/30/1996
Date achieved compliance: 12/09/1996

UNITED PARCEL SERVICE (Continued) **1000398445**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 07/30/1996
Date achieved compliance: 12/09/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/30/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/27/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 10/27/2010
Evaluation lead agency: State

Evaluation date: 10/27/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Listing - General
Date achieved compliance: 12/02/2010
Evaluation lead agency: State

Evaluation date: 04/27/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/09/1996
Evaluation lead agency: State

Evaluation date: 07/25/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 12/09/1996
Evaluation lead agency: State

FINDS:

UNITED PARCEL SERVICE (Continued) **1000398445**

Registry ID: 110004447778

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CBS AST:

CBS Number:	2-000345
Region:	STATE
ICS Number:	Not reported
PBS Number:	Not reported
MOSF Number:	Not reported
Telephone:	(212) 229-0950
Facility Town:	NEW YORK CITY
Operator:	MIKE ROCCI
Emrgncy Contact:	DOMINICK CASAMASSINA
Emrgncy Phone:	(212) 229-0968
Expiration Date:	08/13/2000
Owner Name:	UNITED PARCEL SERVICE
Owner Address:	643 WEST 43 STREET
Owner City,St,Zip:	NEW YORK, NY 10036
Owner Telephone:	(212) 631-6443
Owner type:	Corporate/Commercial
Facility Type:	FARM
Mail Name:	UNITED PARCEL SERVICE
Mail Contact Addr:	643 WEST 43 STREET
Mail Contact Addr2:	Not reported
Mail Contact Contact:	DISTRICT PLANT ENGINEERING
Mail Contact City,St,Zip:	NEW YORK, NY 10036
Mail Phone:	(212) 631-6446
SPDES Number:	Not reported
Facility Status:	ACTIVE FACILITY
Owner Sub Type:	Not reported

Tank Id:	AST-1
Date Entered:	08/13/1998
Capacity (Gal):	300
Chemical:	Ethylene glycol
Tank Closed:	00/00
Tank Status:	0
Tank Type:	Steel/carbon steel
Install Date:	10/95
Certified Date:	08/13/1998
CAS Number:	107211
Substance:	Single Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND
Intrnl Protection:	None
Extrnl Protection:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0

UNITED PARCEL SERVICE (Continued) **1000398445**

Pipe Containment: None
Tank Containment: Diking
Leak Detection: None
Overfill Protection: Float Vent Valve,Fiberglass
Haz Percent: 50
Total Tanks: 0
Tank Secret: False
Last Test: Not reported
Due Date: Not reported
Tank Error Status: No Missing Data
SWIS Code: 6201
Lat/Long: Not reported
Pipe Flag: False
Federal ID: Not reported
Is Updated: F
Renew Date: Not reported
Is it There: F
Deliquent: F
Date Expired: Not reported
Owner Mark: 1
Certificate Needs to be Printed: False
Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: True
Pre-Printed Renewal App Last Printed: 05/01/2000
Total Capacity of All Active Tanks(gal): 0

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-198587
Program Type: PBS
UTM X: 583689.61103999999
UTM Y: 4508834.3102700002
Expiration Date: 2017/07/10

Affiliation Records:
Site Id: 6591
Affiliation Type: Owner
Company Name: UNITED PARCEL SERVICE
Contact Type: ENGR
Contact Name: ROBERT AQUINO
Address1: 643 WEST 43RD STREET
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10036
Country Code: 001
Phone: (212) 631-6444
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 7/3/2012

Site Id: 6591
Affiliation Type: Mail Contact

UNITED PARCEL SERVICE (Continued) **1000398445**

Company Name:	UNITED PARCEL SERVICE
Contact Type:	Not reported
Contact Name:	DISTRICT PLANT ENGINEERING
Address1:	ATTN: 5TH FLOOR P.E. DEPT.
Address2:	643 WEST 43RD STREET
City:	NEW YORK
State:	NY
Zip Code:	10036
Country Code:	001
Phone:	(212) 631-6444
Phone Ext:	Not reported
Email:	MARIOROMERO@UPS.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/3/2012

Site Id:	6591
Affiliation Type:	On-Site Operator
Company Name:	UNITED PARCEL SERVICE
Contact Type:	Not reported
Contact Name:	ROBERT AQUINO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 441-2747
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/3/2012

Site Id:	6591
Affiliation Type:	Emergency Contact
Company Name:	UNITED PARCEL SERVICE
Contact Type:	Not reported
Contact Name:	ROBERT AQUINO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 441-2747
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/3/2012

Tank Info:

Tank Number:	017
Tank Id:	51381

UNITED PARCEL SERVICE (Continued) **1000398445**

Equipment Records:

K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/01/1995
Capacity Gallons:	250
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DXLIVING
Last Modified:	06/06/2007

Tank Number:	018
Tank Id:	57259

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/01/1995
Capacity Gallons:	300
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DXLIVING
Last Modified:	06/06/2007

UNITED PARCEL SERVICE (Continued) **1000398445**

Tank Number: 019
Tank Id: 57260

Equipment Records:

G00 - Tank Secondary Containment - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 10/01/1995
Capacity Gallons: 300
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: DXLIVING
Last Modified: 06/06/2007

CBS AST:

CBS Number: 2-000345
Region: STATE
ICS Number: Not reported
PBS Number: Not reported
MOSF Number: Not reported
Telephone: (212) 229-0950
Facility Town: NEW YORK CITY
Operator: MIKE ROCCI
Emrgncy Contact: DOMINICK CASAMASSINA
Emrgncy Phone: (212) 229-0968
Expiration Date: 08/13/2000
Owner Name: UNITED PARCEL SERVICE
Owner Address: 643 WEST 43 STREET
Owner City,St,Zip: NEW YORK, NY 10036
Owner Telephone: (212) 631-6443
Owner type: Corporate/Commercial
Facility Type: FARM
Mail Name: UNITED PARCEL SERVICE
Mail Contact Addr: 643 WEST 43 STREET
Mail Contact Addr2: Not reported
Mail Contact Contact: DISTRICT PLANT ENGINEERING
Mail Contact City,St,Zip: NEW YORK, NY 10036
Mail Phone: (212) 631-6446
SPDES Number: Not reported
Facility Status: ACTIVE FACILITY
Owner Sub Type: Not reported

UNITED PARCEL SERVICE (Continued) **1000398445**

Tank Id:	AST-1
Date Entered:	08/13/1998
Capacity (Gal):	300
Chemical:	Ethylene glycol
Tank Closed:	00/00
Tank Status:	0
Tank Type:	Steel/carbon steel
Install Date:	10/95
Certified Date:	08/13/1998
CAS Number:	107211
Substance:	Single Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND
Intrnl Protection:	None
Extrnl Protection:	None
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Pipe Containment:	None
Tank Containment:	Diking
Leak Detection:	None
Overfill Protection:	Float Vent Valve,Fiberglass
Haz Percent:	50
Total Tanks:	0
Tank Secret:	False
Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	No Missing Data
SWIS Code:	6201
Lat/Long:	Not reported
Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	Not reported
Is it There:	F
Deliquent:	F
Date Expired:	Not reported
Owner Mark:	1
Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	True
Pre-Printed Renewal App Last Printed:	05/01/2000
Total Capacity of All Active Tanks(gal):	0

NY MANIFEST:

EPA ID:	NYD986902971
Country:	USA
Mailing Name:	UNITED PARCEL SERVICE
Mailing Contact:	LEE VERNAL
Mailing Address:	320 W HOUSTON ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	1321
Mailing Country:	USA
Mailing Phone:	212-736-3544

UNITED PARCEL SERVICE (Continued) **1000398445**

Document ID:	NYG3706056
Manifest Status:	Not reported
Trans1 State ID:	IND058484114
Trans2 State ID:	Not reported
Generator Ship Date:	10/18/2005
Trans1 Recv Date:	10/18/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/25/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	IN015
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980613541
Waste Code:	D035 - METHYL ETHYL KETONE 200.0 MG/L TCLP
Quantity:	00138
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	U002 - ACETONE
Quantity:	00131
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	NYG3708882
Manifest Status:	Not reported
Trans1 State ID:	IND058484114
Trans2 State ID:	Not reported
Generator Ship Date:	05/03/2005
Trans1 Recv Date:	05/03/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/15/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	IN015
Trans2 EPA ID:	Not reported
TSDF ID:	IND093219012
Waste Code:	D018 - BENZENE 0.5 MG/L TCLP
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels

UNITED PARCEL SERVICE (Continued) **1000398445**

Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYG3709395
Manifest Status:	Not reported
Trans1 State ID:	IND058484114
Trans2 State ID:	Not reported
Generator Ship Date:	02/08/2005
Trans1 Recv Date:	02/08/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/21/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	L26727IN
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980613541
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00043
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYG3709413
Manifest Status:	Not reported
Trans1 State ID:	IND058484114
Trans2 State ID:	Not reported
Generator Ship Date:	02/08/2005
Trans1 Recv Date:	02/08/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/21/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	L26727IN
Trans2 EPA ID:	Not reported
TSDF ID:	IND093219012
Waste Code:	D018 - BENZENE 0.5 MG/L TCLP
Quantity:	00345
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYG3709539
Manifest Status:	Not reported
Trans1 State ID:	IND058484114
Trans2 State ID:	Not reported

UNITED PARCEL SERVICE (Continued) **1000398445**

Generator Ship Date:	06/01/2005
Trans1 Recv Date:	06/01/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/19/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	IN015
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980613541
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00095
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Quantity:	00065
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	U002 - ACETONE
Quantity:	00099
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	NYG3709989
Manifest Status:	Not reported
Trans1 State ID:	IND058484114
Trans2 State ID:	Not reported
Generator Ship Date:	07/27/2005
Trans1 Recv Date:	07/27/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/04/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	IN015
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980613541
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00093

UNITED PARCEL SERVICE (Continued) **1000398445**

Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D003 - NON-LISTED REACTIVE WASTES
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	NJA1207553
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920420
Trans1 Recv Date:	920420
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920420
Part A Recv Date:	Not reported
Part B Recv Date:	920602
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00090
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92

Document ID:	NJA1321461
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920521
Trans1 Recv Date:	920521
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920521
Part A Recv Date:	Not reported
Part B Recv Date:	920610
Generator EPA ID:	NYD986902971

UNITED PARCEL SERVICE (Continued) **1000398445**

Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00090
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92

Document ID:	NYG1351638
Manifest Status:	Not reported
Trans1 State ID:	IND058484114
Trans2 State ID:	Not reported
Generator Ship Date:	01/16/2001
Trans1 Recv Date:	01/16/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/26/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	IND093219012
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	D009 - MERCURY 0.2 MG/L TCLP
Quantity:	00080
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00620
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG1351854
Manifest Status:	Not reported
Trans1 State ID:	IND058484114
Trans2 State ID:	Not reported
Generator Ship Date:	01/16/2001
Trans1 Recv Date:	01/16/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/26/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	IND093219012
Trans2 EPA ID:	Not reported

UNITED PARCEL SERVICE (Continued) **1000398445**

TSDF ID:	Not reported
Waste Code:	D035 - METHYL ETHYL KETONE 200.0 MG/L TCLP
Quantity:	00018
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

Document ID:	INA1061068
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	960607
Trans1 Recv Date:	960607
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960617
Part A Recv Date:	960702
Part B Recv Date:	960719
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	IND058484114
Trans2 EPA ID:	Not reported
TSDF ID:	IND093219012
Waste Code:	U080 - METHYLENE CHLORIDE
Quantity:	00015
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	96

Document ID:	NJA2517671
Manifest Status:	Completed copy
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	960620
Trans1 Recv Date:	960620
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960620
Part A Recv Date:	960725
Part B Recv Date:	960712
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D039 - TETRACHLOROETHYLENE 0.73 MG/L TCLP
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

UNITED PARCEL SERVICE (Continued) **1000398445**

Document ID:	INA1084017
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	951214
Trans1 Recv Date:	951214
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951220
Part A Recv Date:	960103
Part B Recv Date:	960102
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	IND058484114
Trans2 EPA ID:	Not reported
TSDF ID:	IND093219012
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00009
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	95

Document ID:	INA1209554
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	960328
Trans1 Recv Date:	960328
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960401
Part A Recv Date:	960410
Part B Recv Date:	960411
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	IND058484114
Trans2 EPA ID:	Not reported
TSDF ID:	IND093219012
Waste Code:	D035 - METHYL ETHYL KETONE 200.0 MG/L TCLP
Quantity:	00051
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00009
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA2698762
Manifest Status:	Completed copy

UNITED PARCEL SERVICE (Continued) **1000398445**

Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	961001
Trans1 Recv Date:	961001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961001
Part A Recv Date:	961031
Part B Recv Date:	961024
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NJA1643802
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	921230
Trans1 Recv Date:	921230
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921230
Part A Recv Date:	930114
Part B Recv Date:	930120
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00090
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92

Document ID:	INA0726943
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	921119
Trans1 Recv Date:	921119
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921128
Part A Recv Date:	921208
Part B Recv Date:	921215
Generator EPA ID:	NYD986902971

UNITED PARCEL SERVICE (Continued) **1000398445**

Trans1 EPA ID:	IND058484114
Trans2 EPA ID:	Not reported
TSDF ID:	IND093219012
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00300
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	92

Document ID:	NJA1451762
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920615
Trans1 Recv Date:	920615
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920615
Part A Recv Date:	Not reported
Part B Recv Date:	920629
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00090
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	92

Document ID:	NJA1361009
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	921130
Trans1 Recv Date:	921130
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921130
Part A Recv Date:	Not reported
Part B Recv Date:	921214
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00090
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.

UNITED PARCEL SERVICE (Continued) **1000398445**

Specific Gravity:	100
Year:	92

Document ID:	NJA1367968
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920911
Trans1 Recv Date:	920911
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920911
Part A Recv Date:	921001
Part B Recv Date:	920928
Generator EPA ID:	NYD986902971
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00090
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	92

Click this hyperlink while viewing on your computer to access
308 additional NY_MANIFEST: record(s) in the EDR Site Report.

CBS:

CBS Number:	2-000345
Program Type:	CBS
Dec Region:	2
Expiration Date:	N/A
Facility Status:	Unregulated
UTMX:	583706.29287999
UTMY:	4509131.5853300

G59 **UNITED PARCEL SERVICE** **NY UST** **U004064866**
SE **320 WEST HOUSTON STREET** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.094 mi.
497 ft. **Site 8 of 8 in cluster G**

Relative:
Higher

Actual:
12 ft.

UST:

Facility Id:	2-198587
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2017/07/10
UTM X:	583689.61103999999
UTM Y:	4508834.3102700002

Affiliation Records:

Site Id:	6591
Affiliation Type:	Owner

UNITED PARCEL SERVICE (Continued) **U004064866**

Company Name:	UNITED PARCEL SERVICE
Contact Type:	ENGR
Contact Name:	ROBERT AQUINO
Address1:	643 WEST 43RD STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10036
Country Code:	001
Phone:	(212) 631-6444
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/3/2012

Site Id:	6591
Affiliation Type:	Mail Contact
Company Name:	UNITED PARCEL SERVICE
Contact Type:	Not reported
Contact Name:	DISTRICT PLANT ENGINEERING
Address1:	ATTN: 5TH FLOOR P.E. DEPT.
Address2:	643 WEST 43RD STREET
City:	NEW YORK
State:	NY
Zip Code:	10036
Country Code:	001
Phone:	(212) 631-6444
Phone Ext:	Not reported
Email:	MARIOROMERO@UPS.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/3/2012

Site Id:	6591
Affiliation Type:	On-Site Operator
Company Name:	UNITED PARCEL SERVICE
Contact Type:	Not reported
Contact Name:	ROBERT AQUINO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 441-2747
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/3/2012

Site Id:	6591
Affiliation Type:	Emergency Contact
Company Name:	UNITED PARCEL SERVICE
Contact Type:	Not reported
Contact Name:	ROBERT AQUINO

UNITED PARCEL SERVICE (Continued) **U004064866**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 441-2747
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/3/2012

Tank Info:

Site ID:	6591
Tank Number:	001
Tank ID:	12379
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1992
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	6591
Tank Number:	002
Tank ID:	12380
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction

UNITED PARCEL SERVICE (Continued) **U004064866**

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1992
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	6591
Tank Number:	003
Tank ID:	12381
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
H00 - Tank Leak Detection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1992
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	6591
Tank Number:	004
Tank ID:	12382
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel

UNITED PARCEL SERVICE (Continued) **U004064866**

J02 - Dispenser - Suction
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1992
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	6591
Tank Number:	005
Tank ID:	12383
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1992
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	6591
Tank Number:	006
Tank ID:	12384
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None

UNITED PARCEL SERVICE (Continued) **U004064866**

B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1992
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	6591
Tank Number:	007
Tank ID:	12385
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1992
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	6591
Tank Number:	008
Tank ID:	12386
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

UNITED PARCEL SERVICE (Continued) **U004064866**

Equipment Records:

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1992
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	6591
Tank Number:	009
Tank ID:	12387
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	11/01/1992
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	6591
Tank Number:	010
Tank ID:	12388
Tank Status:	Closed - In Place

UNITED PARCEL SERVICE (Continued) **U004064866**

Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
J02 - Dispenser - Suction
I00 - Overfill - None

Install Date: Not reported
Capacity Gallons: 1500
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 11/01/1992
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 6591

Tank Number: 011
Tank ID: 12389
Tank Status: Closed - In Place
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None

Install Date: Not reported
Capacity Gallons: 1500
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 11/01/1992
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 6591

Tank Number: 012

UNITED PARCEL SERVICE (Continued) **U004064866**

Tank ID: 12390
Tank Status: Closed - In Place
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
Install Date: Not reported
Capacity Gallons: 1500
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 11/01/1992
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 6591

Tank Number: 013
Tank ID: 12391
Tank Status: Closed - In Place
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
Install Date: Not reported
Capacity Gallons: 3000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 11/01/1992
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 6591

UNITED PARCEL SERVICE (Continued) **U004064866**

Tank Number: 014
Tank ID: 46015
Tank Status: In Service
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

L08 - Piping Leak Detection - Tank Top Sump
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
B01 - Tank External Protection - Painted/Asphalt Coating
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
I03 - Overfill - Automatic Shut-Off
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)
B02 - Tank External Protection - Original Sacrificial Anode
H05 - Tank Leak Detection - In-Tank System (ATG)

Install Date: 12/01/1992
Capacity Gallons: 4000
Tightness Test Method: 14
Next Test Date: Not reported
Date Tank Closed: Not reported
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: 04/13/2010
Registered: True
Modified By: BKFALVEY
Last Modified: 05/07/2010

Site ID: 6591

Tank Number: 015
Tank ID: 46016
Tank Status: In Service
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:

E04 - Piping Secondary Containment - Double-Walled (Underground)
L08 - Piping Leak Detection - Tank Top Sump
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
B01 - Tank External Protection - Painted/Asphalt Coating
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
I03 - Overfill - Automatic Shut-Off
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm

UNITED PARCEL SERVICE (Continued) **U004064866**

B02 - Tank External Protection - Original Sacrificial Anode
H05 - Tank Leak Detection - In-Tank System (ATG)

Install Date:	12/01/1992
Capacity Gallons:	4000
Tightness Test Method:	14
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	04/13/2010
Registered:	True
Modified By:	BKFALVEY
Last Modified:	05/07/2010
Site ID:	6591
Tank Number:	016
Tank ID:	46014
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
L08 - Piping Leak Detection - Tank Top Sump
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
I03 - Overfill - Automatic Shut-Off
B01 - Tank External Protection - Painted/Asphalt Coating
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
E04 - Piping Secondary Containment - Double-Walled (Underground)
B02 - Tank External Protection - Original Sacrificial Anode
H05 - Tank Leak Detection - In-Tank System (ATG)

Install Date:	12/01/1992
Capacity Gallons:	4000
Tightness Test Method:	14
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	04/13/2010
Registered:	True
Modified By:	BKFALVEY
Last Modified:	05/07/2010

H60 **NY Spills** **S104790333**
ENE **MORTON ST & GREENWICH ST** **NY Hist Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.100 mi.
529 ft. **Site 4 of 15 in cluster H**

Relative:
Higher

Actual:
13 ft.

SPILLS:

Facility ID:	0007948
DER Facility ID:	142715
Facility Type:	ER
Site ID:	169516
DEC Region:	2
Spill Number:	0007948
Spill Date:	10/6/2000
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	12/14/2001
SWIS:	3101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	10/6/2000
CID:	266
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/6/2000
Spill Record Last Update:	12/14/2001
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"Con Ed e2mis #133814 Notes:10-6-00 1qt insulatum on floor of manhole. Fluid leaked from 4w-1w joint. Conduit plate shows sewer connection. PCB and ID samples taken. Sample returned 3ppm PCBs and similar to lubricating fluid.10-13-00 Cleanup completed by double washing with slix. Liquids removed by tanker, solids drummed. Leaking primary joint was sealed. No sump.
Remarks:	MANHOLE 36357. 1 QUART DIELECTRIC FLUID. NO WATER. CONTAINED WITHIN MANHOLE. SAMPLES TAKEN FOR PCB'S. CLEAN UP PENDING TEST RESULTS. CON EDISON REFERENCE NUMBER 133814.

Material:

Site ID:	169516
Operable Unit ID:	828568
Operable Unit:	01
Material ID:	545466
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported

(Continued) **S104790333**

Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	0007948
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	10/06/2000 05:05
Reported to Dept Date/Time:	10/06/00 06:14
SWIS:	62
Spiller Name:	CON EDISON
Spiller Contact:	Not reported
Spiller Phone:	(212) 580-6763
Spiller Address:	4 IRVING PL
Spiller City,St,Zip:	NEW YORK, NY 10003-
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/14/01

Corrective Action Plan Submitted: / /

(Continued) **S104790333**

Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 10/06/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 12/14/01
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 1
Unkonwn Quantity Recovered: False
Material: DIELECTRIC FLUID
Class Type: DIELECTRIC FLUID
Times Material Entry In File: 41
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: Con Ed e2mis 133814 Notes: 10-6-00 1qt insulatum on floor of manhole. Fluid leaked from 4w-1w joint. Conduit plate shows sewer connection. PCB and ID samples taken. Sample returned 3ppm PCBs and similar to lubricating fluid. 10-13-00Cleanup completed by double washing with slix. Liquids removed by tanker, solids drummed. Leaking primary joint was sealed. No sump.
Remark: MANHOLE 36357. 1 QUART DIELECTRIC FLUID. NO WATER. CONTAINED WITHIN MANHOLE. SAMPLES TAKEN FOR PCB S. CLEAN UP PENDING TEST RESULTS. CON EDISON REFERENCE NUMBER 133814.

H61 **MANHOLE 36357** **NY Spills** **S104652882**
ENE **GREENWICH ST/MORTON ST** **NY Hist Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.100 mi.
529 ft. **Site 5 of 15 in cluster H**

Relative:
Higher

Actual:
13 ft.

SPILLS:
Facility ID: 0002074
DER Facility ID: 263938
Facility Type: ER
Site ID: 327896
DEC Region: 2
Spill Number: 0002074
Spill Date: 5/18/2000
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 3/24/2004
SWIS: 3101
Investigator: JHOCONNE
Referred To: Not reported
Reported to Dept: 5/18/2000
CID: 312
Water Affected: Not reported

MANHOLE 36357 (Continued) **S104652882**

Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/18/2000
Spill Record Last Update:	3/24/2004
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 131485:found spill approx 8 oz dielectric fluid from cable ends in M36357. Sump in MH, sump pump not running. spill being cleaned as PILC spill (50-499 ppm PCB).date: 5/18/00Time: 14:00Cleanup Info: applied diapers on spill double washed with slicksSpill Source: cable endsLeak Abatement Proc: short and sealed ends
Remarks:	8 OUNCES FROM CABLE ENDS SPILLED INTO MANHOLE - CASE #131485 - CONTAINED

Material:

Site ID:	327896
Operable Unit ID:	824007
Operable Unit:	01
Material ID:	550453
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2

MANHOLE 36357 (Continued) **S104652882**

Spill Number:	0002074
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/18/2000 13:15
Reported to Dept Date/Time:	05/18/00 14:45
SWIS:	62
Spiller Name:	CON EDISON
Spiller Contact:	Not reported
Spiller Phone:	( ) -
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003-
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	05/18/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	05/22/00
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	DIELECTRIC FLUID
Class Type:	DIELECTRIC FLUID
Times Material Entry In File:	41

MANHOLE 36357 (Continued) **S104652882**

CAS Number: Not reported
Last Date: Not reported
DEC Remarks: Not reported
Remark: 8 OUNCES FROM CABLE ENDS SPILLED INTO MANHOLE - CASE 131485 - CONTAINED

H62
ENE
< 1/8
0.102 mi.
539 ft.

CONSOLIDATED EDISON **NY MANIFEST** **1009237615**
V6360-75 MORTON ST **N/A**
NEW YORK, NY

Site 6 of 15 in cluster H

Relative:
Higher

Actual:
13 ft.

NY MANIFEST:
EPA ID: NYP004029237
Country: USA
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLIN MURRAY
Mailing Address: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-460-2808

Document ID: NYE0219025
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 12/01/1998
Trans1 Recv Date: 12/01/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/01/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004029237
Trans1 EPA ID: NYD980593636
Trans2 EPA ID: Not reported
TSDF ID: 20855AD
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity: 01119
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 98

H63 ENE < 1/8 0.105 mi. 552 ft. | **SLATE NYC INC** | **NY DRYCLEANERS** | **S109527328**
96 MORTON STREET | **N/A**
NEW YORK, NY 10014

Site 7 of 15 in cluster H

Relative: Higher

Actual: 13 ft.

DRYCLEANERS:

Facility ID:	2-6205-01709
Phone Number:	Not reported
Region:	2
Registration Effective Date:	N/A
Inspection Date:	07APR19
Install Date:	Not reported
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	DF2000
Current Business:	HC DRY CLEANER

H64 ENE < 1/8 0.105 mi. 556 ft. | **ENTERPRISE EXPRESS** | **NY LTANKS** | **S106534449**
627 GREENWICH ST | **NY AIRS** | **N/A**
MANHATTAN, NY

Site 8 of 15 in cluster H

Relative: Higher

Actual: 13 ft.

LTANKS:

Site ID:	220323
Spill No:	0109823
Spill Date:	1/8/2002
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	9/6/2005
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	JMPELTON
Referred To:	Not reported
Reported to Dept:	1/10/2002
CID:	233
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/10/2002
Spill Record Last Update:	9/6/2005
Spiller Name:	ROY RUCCI
Spiller Company:	Not reported
Spiller Address:	627 GREENWICH ST
Spiller City,St,Zip:	MANHATTEN, ZZ
Spiller County:	001
Spiller Contact:	ROY RUCCI
Spiller Phone:	(718) 442-2080
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	182232
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was

ENTERPRISE EXPRESS (Continued) **S106534449**

	"DEMEO"August 16, 2005As part of the Spills Backlog Reduction, Jason Pelton initially called Roy Rucci with Rucci Oil. Rucci Oil delivers #2 fuel oil to 627 Greenwich property and was listed on the Spill Report Form as a contact person. Rucci referred the property owner to Crown Leak Detection to complete the tank testing. Roy Rucci indicated that the tanks were repaired by Petroleum Tank Services. Rucci Oil continues to deliver oil to this property. Roy provided me with contact information for Ed Armstrong (212-741-2111). Ed Armstrong is the 627 Greenwich Street property Superintendent. I followed up with a phone call to Ed Armstrong. Ed Armstrong indicated that a vent line was broken and there was never any petroleum spill. Ed has documentation on the tank tightness testing and the tank repairs and faxed them to me on August 16, 2005. The testing and repair documents were scanned and placed in eDocs on 9/6/05.Based on the fact that no petroleum spill occurred and that repairs were made to the underground storage tank system, the status of the spill was changed to closed by Jason Pelton on September 6, 2005.
Remarks:	no pbs number but violation number is d2-5294-12-01 take 2 is in a tomb and tank 1 is underground both failed test property owner is aware tanks will beuncovered and cleaned then retested

Material:

Site ID:	220323
Operable Unit ID:	846974
Operable Unit:	01
Material ID:	563086
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	220323
Spill Tank Test:	1526804
Tank Number:	001
Tank Size:	10000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II
Site ID:	220323
Spill Tank Test:	1526805
Tank Number:	002
Tank Size:	3500
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004

ENTERPRISE EXPRESS (Continued) **S106534449**

Test Method: Horner EZ Check I or II

AIRS:

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	P01FP
Contaminant Name/cas:	112345
Epa Control Code:	112
Contol Eff:	90
Emissions:	33
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	PM10-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.012425
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	PM10-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.00396499
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	56553
Epa Control Code:	Not reported
Contol Eff:	Not reported

ENTERPRISE EXPRESS (Continued) **S106534449**

Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	206440
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.026125
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	7440439
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	P01FP
Contaminant Name/cas:	1330207
Epa Control Code:	112
Contol Eff:	90
Emissions:	13

ENTERPRISE EXPRESS (Continued) **S106534449**

Unit:	LB
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	3.35999989
Unit:	LB
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	91203
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0004
Unit:	LB
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	83329
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	7440382
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0002
Unit:	LB

ENTERPRISE EXPRESS (Continued) **S106534449**

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00002
Process Id:	P02FP
Contaminant Name/cas:	111762
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	205
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00002
Process Id:	P02FP
Contaminant Name/cas:	107211
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	207
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	7782492
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0002
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	71432
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0015
Unit:	LB

Permit Type:	Not reported

ENTERPRISE EXPRESS (Continued) **S106534449**

Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	218019
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	7440020
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0002
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	7439965
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0525
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported

ENTERPRISE EXPRESS (Continued) **S106534449**

Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.04409999
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	110543
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1.26999998
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.00031499
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	71432
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.02
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported

ENTERPRISE EXPRESS (Continued) **S106534449**

Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	7440484
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	207089
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.5
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	86737
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported

ENTERPRISE EXPRESS (Continued) **S106534449**

County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	85018
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	191242
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	129000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	VOC
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.00150999
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061

ENTERPRISE EXPRESS (Continued) **S106534449**

DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.14838999
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	8.35999965
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	7439976
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.1254
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084

ENTERPRISE EXPRESS (Continued) **S106534449**

Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	7440473
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0053
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	7440382
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00002
Process Id:	P02FP
Contaminant Name/cas:	VOC
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.1965
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	P01FP
Contaminant Name/cas:	VOC
Epa Control Code:	112
Contol Eff:	90
Emissions:	0.1455
Unit:	TON

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001

ENTERPRISE EXPRESS (Continued) **S106534449**

Process Id:	002EI
Contaminant Name/cas:	7440417
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	002EI
Contaminant Name/cas:	206440
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	7440417
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	120127
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI

ENTERPRISE EXPRESS (Continued) **S106534449**

Contaminant Name/cas: 108883
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.0024
Unit: LB

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36061
DEC Id: 2620500084
Emission Unit Id: U00001
Process Id: 001EI
Contaminant Name/cas: 7440020
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.0022
Unit: LB

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36061
DEC Id: 2620500084
Emission Unit Id: U00001
Process Id: 001EI
Contaminant Name/cas: 50328
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0
Unit: LB

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36061
DEC Id: 2620500084
Emission Unit Id: U00001
Process Id: 001EI
Contaminant Name/cas: 7439921
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.0005
Unit: LB

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36061
DEC Id: 2620500084
Emission Unit Id: U00001
Process Id: 002EI
Contaminant Name/cas: 7439921

ENTERPRISE EXPRESS (Continued) **S106534449**

Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	7440473
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0015
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	7439965
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0004
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	205992
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	7440439
Epa Control Code:	Not reported

ENTERPRISE EXPRESS (Continued) **S106534449**

Contol Eff:	Not reported
Emissions:	0.0012
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	7439976
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0003
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	7782492
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00001
Process Id:	001EI
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.05
Unit:	LB

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36061
DEC Id:	2620500084
Emission Unit Id:	U00002
Process Id:	P02FP
Contaminant Name/cas:	1330207
Epa Control Code:	Not reported
Contol Eff:	Not reported

ENTERPRISE EXPRESS (Continued) **S106534449**

Emissions: 60
Unit: LB

H65 **95 MORTON ST** **NY Spills** **S104879528**
ENE **95 MORTON ST** **NY Hist Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.107 mi.
567 ft. **Site 9 of 15 in cluster H**

Relative:
Higher

Actual:
13 ft.

SPILLS:

Facility ID:	0008965
DER Facility ID:	150729
Facility Type:	ER
Site ID:	179605
DEC Region:	2
Spill Number:	0008965
Spill Date:	11/2/2000
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	10/30/2008
SWIS:	3101
Investigator:	vszhune
Referred To:	Not reported
Reported to Dept:	11/2/2000
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/2/2000
Spill Record Last Update:	10/30/2008
Spiller Name:	BOB
Spiller Company:	Not reported
Spiller Address:	95 MORTON ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	001
Contact Name:	BOB
Contact Phone:	(212) 255-2139
DEC Memo:	6/8/07-Matthew Klaas (Albany DER)-Attempted to contact Castle Oil Corp. at the listed phone number of 718-579-3414, this is no longer the valid phone number. I was able to obtain a new phone number for Castle Oil off their web page, I was put into contact with Robert Hill at 718-579-3410. He was not in his office, was told to call him back on monday 6/11/07 after 9am.-Attempted to contact "Bob" from the contacts list at 212-255-2139, this is still a valid number for Bob, however he was not in the office and i was instructed to call back on monday 6/11/07 between the hours of 7 and 8:30 am6/14/07-Matthew Klaas (Albany DER)-Wrote a letter to Castle Oil Corporation at 500 Mamaroneck Avenue, Harrison, NY, 10528 requesting information and proper documentation regarding the broken fill pipe and oil release.-Wrote a letter to Tr. Morton Street Corporatoin (property owner)at 95 Morton Street, New York, NY, 10014-3336 requesting more

95 MORTON ST (Continued) **S104879528**

information regarding clean up and repair of the spill.10/21/2008 Case is transferred to DEC- Veronica Zhune for site inspection.Caller says all the work was done and the fill line was repaired/replaced back in Nov. 2000. They have no paperwork. An inspection is needed to confirm repairs were made to the fill line.10/30/2008- Zhune visited the site. The Mechanical Ramiz Beskouvic showed me the new fill line.

Remarks: BROKEN FILL PIPE

Material:

Site ID:	179605
Operable Unit ID:	831359
Operable Unit:	01
Material ID:	546467
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	50
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	0008965
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/02/2000 11:00
Reported to Dept Date/Time:	11/02/00 11:23
SWIS:	62
Spiller Name:	Not reported
Spiller Contact:	BOB
Spiller Phone:	(212) 255-2139
Spiller Contact:	BOB
Spiller Phone:	(212) 255-2139
Spiller Address:	95 MORTON ST
Spiller City,St,Zip:	MANHATTAN, NY
Spill Cause:	Equipment Failure

95 MORTON ST (Continued) **S104879528**

Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 11/02/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 11/02/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 50
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 50
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: BROKEN FILL PIPE

I66 **148 BARROW STREET** **NY Spills** **S102672473**
NNE **148 BARROW STREET** **NY Hist Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.108 mi.
572 ft. **Site 1 of 6 in cluster I**

Relative:
Higher

Actual:
10 ft.

SPILLS:
Facility ID: 9400447
DER Facility ID: 156656
Facility Type: ER
Site ID: 187501
DEC Region: 2
Spill Number: 9400447

148 BARROW STREET (Continued) **S102672473**

Spill Date:	4/11/1994
Spill Cause:	Unknown
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	Not Closed
SWIS:	3101
Investigator:	vszhune
Referred To:	Not reported
Reported to Dept:	4/11/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	4/12/1994
Spill Record Last Update:	4/27/2010
Spiller Name:	Not reported
Spiller Company:	CITY
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"10/10/95: This is additional information about material spilled from the translation of the old spill file: UNK GASOLINE ODORS.4/12/04-Vought-Spill transferred from Tibbe to Rommel as per Rommel.Albany assignment: "adebong"9/7/06 - Austin - Assigned from Albany to Region 2 staff (Ketani) for review and closure - end10/30/06 - Raphael Ketani. The record was found for the site. DEP was digging and found gasoline odors. Kim Hanna of DEP (718) 595-4681 was the person in charge at the time.The site is at 148 Barrow Street, Manhattan. Block/lot are 00604/0030. It is presently owned by William Gottlieb Real Estate, 544 Hudson Street, NY, 10014-3233. There is no PBS record. The phone number is: (212) 989-3100. I tried calling Mr. Gottlieb, but could only leave a message.Two sets of 8260 only analytical results are present. Sample SH-1 (soil)has as much as 26,270 ppb of total xylenes - among many other VOC analytes in the thousands of ppb. The liquid sample (SH-2) had no hits. 11/1/06 - Raphael Ketani. I tried calling Mr. Gottlieb again. I again got his secretary or receptionist. She said that he doesn’t own 148 Barrow Street, but rather 150 Barrow Street. I told her that he is listed as the owner in the NYC Property Tax records database. She said that he is listed for a lot of properties he doesn’t own. She said the site is a vacant lot. I asked her to have him give me a call back anyway if he has any information. She said she will ask him. I rechecked my investigation of the ownership of the property. I checked Property Shark, the NYC Property Tax database and ACRIS. Each database listed the property with the same block and lot and the same address, 144 to 150 Barrow Street. As the person I talked to confirmed that he owns 150 Barrow Street, I will send a CSL.11/7/06 - Raphael Ketani. Mr. Gottlieb (212) 989-3100 called me today. He said that the site had

148 BARROW STREET (Continued) **S102672473**

the contamination from before his company bought the property. He said that there are no records anywhere for the cleanup of the site. He added that the property has been vacant, without tenants, for the past 10 years. However, a phase 1 investigation was recently done for the site. I asked him for a copy. He said that the phase 2 was about to start. Mr. Gottlieb stated that debris removal work will begin about 11/15/06. The phase 2 investigation company is Hillman Group, LLC. He will send me a letter with the full name, address and phone number of the company.11/15/06 - Raphael Ketani. I received a letter today from Charles F. Fritsch, Senior Manager, at William Gottlieb Management Co., Inc. It stated the same information as is in my 11/7/06 notes.6/25/07 - Raphael Ketani. I tried to contact Mr. Gottlieb regarding the site and the phase II report, but could only leave a message.8/3/07 - Raphael Ketani. I tried to get ahold of Mr. Gottlieb, but could only leave a message. 8/14/07 - Raphael Ketani. I made an unannounced site visit. I took 3 pictures. The site is an old rundown hotel. The building may have been built in the nineteen teens or twenties. The owner has put modern windows in the building. They were dirty and looked like they had been put in several years ago. A triple space garage is attached to the building. There were numerous old work permits on the inside of the door dating from 2004 to 2007. A Con Ed notice was attached to the door stating that service will be turned off. The door was locked and the entranceway was dark. There was no sign that anyone was inhabiting the building.I tried to contact Mr. Gottlieb(212) 989-3100, but could only leave a message. The end of my message stated that if DEC doesn't hear anything from him by the end of this week, then the case will be referred to DEC's Legal division. I received a message from A.J. Lefler of 2+3 Architects. He said he is the architect for Mr. Gottlieb and the 148 Barrow Street site. His number is (718) 387-6587, ext 13.8/15/07 - Raphael Ketani. I tried to contact Mr. Lefler, but could only leave a message.Mr. Lefler called me back. He said that the site encompasses 144 and 148 Barrow Street and the old Keller Hotel.He said that his firm is designing a horizontal addition to the 144 Barrow Street part of the site. The spill is in the southeast corner of the 144-148 site. Mr. Lefler added that the remediation will take place with the demolition of the 3 car garage. He said this will happen in 4 to 6 months. Hillman Environmental did the phase II. He said the contact there is David Umbach. I told Mr. Lefler that DEC never received the phase II report. He said he will have Hillman send it quickly.8/17/07 - Raphael Ketani. Mr. Lefler called to state that DEC will receive the Phase II next week. 9/24/07 - Raphael Ketani. DEC received the Phase I Environmental Site Assessment and the Phase II Limited Investigation on 8/31/07 from 2 Plus 3 Architects, P.C. I reviewed the Phase I and the Phase II.According to the Phase I:The site consits of two lots, 1 and 30. Lot 1 is 150 Barrow Street, the old hotel, and lot 30 is 144-148 Barrow Street, the four car garage. The entire site was a coal storage yard up until 1898, when the hotel was built. Lot 30 continued to be a coal storage yard into the early twentieth century. In the 1930s, lot 30 became a car service business, and subsequently many other types of businesses took residence, as indicated by city records. A gasoline UST was installed in the 1950s and remained there until 1983. The old hotel was using oil, but neither the gas tank, nor the oil tank(s) were found during the Phase I that took place in 2006. According to the Phase II:Seven borings were attempted in the basement of the hotel. However, due to the thickness of the floor slab, only 1 soil sample was recovered.

148 BARROW STREET (Continued) **S102672473**

The analytical data for the sample wasn't listed in the report. No borings were attempted in the southeast quarter of the basement, nor to the southeast of boring B-4, nor in the western quarter of the basement. GPR was used in the garage, but didn't find any evidence of a gas tank. Eight borings were attempted in the garage and 8 soil samples and 2 groundwater samples were recovered. Groundwater sample BAR-1GW had 35,300 ppb total xylenes, 1360 ppb toluene, 8020 ppb ethylbenzene, and was non-detect for benzene. Groundwater sample BAR-2GW had all non-detects, except for 0.94 ppb benzene. Soil sample BAR-1 in the east garage bay (northeast corner) had 113 ppm total xylenes, 21.2 ppm ethylbenzene, toluene 0.97 ppm, and was non-detect for benzene. Soil sample BAR-2 in the east garage bay (southeast corner) had 200 ppm total xylene, 35.7 ppm toluene, 39 ppm ethylbenzene, and 0.43 ppm benzene. All of the other soil samples were nonn-detect or well under TAGM.BAR-Fill (a composite of fill soil from all 4 bays) had exceedences only for the benzo series of combustion products and their associated analytes. No borings were done to the west of the bathroom. 9/25/07 - Raphael Ketani. A letter was sent out to Mr Fritsch of the William Gottlieb Management Co., Inc. requesting that more soil borings and wells be installed, and that soil and groundwater samples be taken. The letter also requested that the soil be removed in the vicinities of BAR-1 and BAR-2.9/26/07 - Raphael Ketani. Mr. Loeffler of 2 Plus 3 Architects called to say that William Gottlieb Management Co., Inc. received the 9/25/07 letter. He said that the Phase I and Phase II were produced by Hillman Group, LLC and that Mr. Fritsch is no longer at William Gottlieb. He said to address all future letters to Mark Caldeira. Mr. Loeffler added that all of the soil removal will take place with the demolition of the garage and that all of the work mentioned in the letter will be done.10/4/07 - Raphael Ketani. Chris Hirshmann of the Hillman Group (908) 688-7800 called to inquire as to how many wells and borings DEC wanted. I explained the September 24 letter and I told him that one well should be in the sidewalk and that he should submit an investigation plan for DEC's approval. He said will do this. 10/10/07 - Raphael Ketani. I received a well installation proposal from Mr. Hirschmann of the Hillman Group. The proposal was for the delineation of the groundwater contamination under the eastern two garage bays. Three wells are proposed in the eastern two bays. I told Mr. Hirschmann that this was fine for the groundwater investigation. I asked him about the soil borings that were asked for in DEC's 9/25/07 letter. He said he will do those, also.12/7/07 - Raphael Ketani. I spoke to Mr. Hirshmann. He said that they finished boring and sampling yesterday. He said that the soil samples have been sent to the laboratory for analysis. 1/31/08 - Raphael Ketani. I tried to contact Mr. Hirshmann, but could only leave a message.2/13/08 - Raphael Ketani. I contacted Mr. Hirshmann and asked him about the sample analytical results. He said that they are part of a report and the report is being reviewed and commented upon by the various involved parties. He said he will send the parties an e-mail stating the DEC wants to see the report right now. I told him that would be fine. 3/21/08 - Raphael Ketani. I spoke to Mr. Hirshmann (908) 688-7800. He said that his client is done reviewing it and that DEC should get the report very soon.8/18/08 - Raphael Ketani. I tried to contact Mr. Hirshmann, but could only leave a message.The case is being prepared for transfer due to a case realignment within the unit. Mr. Hirshmann needs to submit the site investigation report to DEC. The case manager should contact Mr.

148 BARROW STREET (Continued) **S102672473**

Hirshmann to see where the report is. It's overdue.8/20/08 - Raphael Ketani. Mr. Hirshmann left me a message that he thought the report had been sent to DEC. He will ask his client what happened to it.Mr. A. J. Leffler of 2+3 Architects called. He said that he had the investigation report on his desk. It just got buried. He apologized and said that he will Fed Ex it.08/25/09- Zhune spoke to Melvina from 2+3 Arquitects, She said Mr. Lefler is busy in the other line I will tell him to call you back.

Remarks: DEP DOING EXCAVATION WORK - GASOLINE ODORS - REQUEST A SPILL PERSON TO SHOW UP.

Material:

Site ID:	187501
Operable Unit ID:	997944
Operable Unit:	01
Material ID:	387760
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9400447
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/11/1994 10:00
Reported to Dept Date/Time:	04/11/94 11:05
SWIS:	62
Spiller Name:	CITY
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported

148 BARROW STREET (Continued) **S102672473**

Spill Cause: Unknown
Reported to Dept: Groundwater
Water Affected: Not reported
Spill Source: 12
Spill Notifier: Federal Government
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/12/94
Date Spill Entered In Computer Data File: Not reported
Update Date: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: UNK GASSOLINE ODORS.
Remark: DEP DOING EXCAVATION WORK - GASOLINE ODORS - REQUEST A SPILL PERSON TO SHOW UP.

H67 **SIDEWALK** **NY HIST AST** **S107781296**
ENE **95 MORTON STREET** **NY Spills** **N/A**
< 1/8 **NEW YORK, NY**
0.108 mi.
572 ft. **Site 10 of 15 in cluster H**

Relative:
Higher

Actual:
13 ft.

HIST AST:
PBS Number: 2-149241
SWIS Code: 6201
Operator: BOB CICIARRI
Facility Phone: (212) 255-2139

SIDEWALK (Continued) **S107781296**

Facility Addr2:	95 MORTON ST
Facility Type:	STORAGE TERMINAL/PETROLEUM DISTRIBUTOR
Emergency:	CHARLIE FEHIM HAXHAJ
Emergency Tel:	(212) 843-3764
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	STELLAR MANAGEMENT
Owner Address:	156 WILLIAM STREET 10TH FLOOR
Owner City,St,Zip:	NEW YORK, NY 10038
Federal ID:	Not reported
Owner Tel:	(212) 843-3764
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	CHARLIE FEHIM HAXHAJ
Mailing Name:	STELLAR MANAGEMENT
Mailing Address:	156 WILLIAM STREET
Mailing Address 2:	10TH FLOOR
Mailing City,St,Zip:	NEW YORK, NY 10038
Mailing Telephone:	(212) 843-3764
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/26/2001
Expiration:	06/05/2007
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	6000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	6000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	2
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0

SIDEWALK (Continued) **S107781296**

Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

SPILLS:

Facility ID:	0412401
DER Facility ID:	273154
Facility Type:	ER
Site ID:	337812
DEC Region:	2
Spill Number:	0412401
Spill Date:	2/22/2005
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	2/22/2005
SWIS:	3101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	2/22/2005
CID:	444
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/22/2005
Spill Record Last Update:	2/22/2005
Spiller Name:	FRANK JUSAS
Spiller Company:	SIDEWALK
Spiller Address:	95 MORTON STREET
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	001
Contact Name:	FRANK JUSAS
Contact Phone:	(718) 222-8701
DEC Memo:	2/22/05 MT ///BLT and Castle oil responded to site for cleanup, Robert(917-626-0318) the building super confirmed that the spill had been cleaned.
Remarks:	FAULTY CHECK VALVE ON HOUSE: IN PROCESS OF CLEANING UP:

Material:

Site ID:	337812
Operable Unit ID:	1099824
Operable Unit:	01
Material ID:	580072

SIDEWALK (Continued) **S107781296**

Material Code: 0003A
Material Name: #6 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 5
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

H68 **FINISH RESOURCE** **RCRA NonGen / NLR** **1001197255**
ENE **95 MORTON ST 7TH FLOOR** **NY MANIFEST** **NYR000037317**
< 1/8 **NEW YORK, NY 10014**
0.108 mi.
572 ft. **Site 11 of 15 in cluster H**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: FINISH RESOURCE
Facility address: 95 MORTON ST 7TH FLOOR
NEW YORK, NY 10014
EPA ID: NYR000037317
Mailing address: MORTON ST 7TH FLOOR
NEW YORK, NY 10014
Contact: JESSE GOOD
Contact address: MORTON ST 7TH FLOOR
NEW YORK, NY 10014
Contact country: US
Contact telephone: (212) 929-0141
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: STELLAR MANAGEMENT CO
Owner/operator address: PO BOX 3547 CHURCH ST STATION
NEW YORK, NY 10008
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

FINISH RESOURCE (Continued) **1001197255**

Owner/operator name: STELLAR MANAGEMENT CO
Owner/operator address: PO BOX 3547 CHURCH ST STATION
NEW YORK, NY 10008
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: FINISH RESOURCE
Classification: Not a generator, verified

Date form received by agency: 04/04/1997
Facility name: FINISH RESOURCE
Classification: Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYR000037317
Country: USA
Mailing Name: FINISH RESOURCE
Mailing Contact: JESSE GOOD
Mailing Address: 95 MORTON ST - 7TH FLOOR
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10014
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-929-0141

Document ID: NJA2816490
Manifest Status: Not reported
Trans1 State ID: ILD984908202
Trans2 State ID: SCD987574647

FINISH RESOURCE (Continued) **1001197255**

Generator Ship Date:	09/18/1998
Trans1 Recv Date:	09/18/1998
Trans2 Recv Date:	09/24/1998
TSD Site Recv Date:	09/29/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000037317
Trans1 EPA ID:	NJD002182897
Trans2 EPA ID:	Not reported
TSDF ID:	08690
Waste Code:	F003 - UNKNOWN
Quantity:	00234
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

Document ID:	NJA2663900
Manifest Status:	Completed copy
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	970424
Trans1 Recv Date:	970424
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970501
Part A Recv Date:	Not reported
Part B Recv Date:	970515
Generator EPA ID:	NYR000037317
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00398
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

Document ID:	NJA2740680
Manifest Status:	Not reported
Trans1 State ID:	ILD984908202
Trans2 State ID:	Not reported
Generator Ship Date:	05/13/1998
Trans1 Recv Date:	05/13/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/20/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000037317
Trans1 EPA ID:	NJD002182897
Trans2 EPA ID:	Not reported

FINISH RESOURCE (Continued) **1001197255**

TSDF ID:	08690
Waste Code:	F003 - UNKNOWN
Quantity:	00217
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	98

H69 ENE < 1/8 0.108 mi. 572 ft. **MAGIC NOVELTY CO INC** **RCRA NonGen / NLR** **1000246464**
95 MORTON ST **FINDS** **NYD043174879**
NEW YORK, NY 10530

Site 12 of 15 in cluster H

Relative: Higher

Actual: 13 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MAGIC NOVELTY CO INC
Facility address:	95 MORTON ST NEW YORK, NY 10530
EPA ID:	NYD043174879
Mailing address:	MORTON ST NEW YORK, NY 10530
Contact:	Not reported
Contact address:	MORTON ST NEW YORK, NY 10530
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ALEX E NEUBURGER PRES
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ALEX E NEUBURGER PRES
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

MAGIC NOVELTY CO INC (Continued) **1000246464**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MAGIC NOVELTY CO INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: MAGIC NOVELTY CO INC
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Facility name: MAGIC NOVELTY CO INC
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110008001900

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

H70 **95 MORTON ST/MANHATTAN** **NY Spills** **S102145209**
ENE **95 MORTON STREET** **NY Hist Spills** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.108 mi.
572 ft. **Site 13 of 15 in cluster H**

Relative:
Higher

Actual:
13 ft.

SPILLS:
Facility ID: 0009071
DER Facility ID: 185543
Facility Type: ER
Site ID: 224493
DEC Region: 2
Spill Number: 0009071
Spill Date: 11/2/2000
Spill Cause: Equipment Failure

95 MORTON ST/MANHATTAN (Continued) **S102145209**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	4/4/2001
SWIS:	3101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	11/6/2000
CID:	389
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/6/2000
Spill Record Last Update:	12/5/2002
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, NY
Spiller Company:	999
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"04/04/2001 EMTEQUE HANDLED CLEANUP, WASTE MANIFEST AND PHOTOS REVEALING CLEANED AREA SUBMITTED TO DEC 11/6/00 12:48 STEVEN. S TRIED TO CALL J.RAYUSO AND HE WAS NOT AT HOME AT OFFICE I LEFT VOICE MAIL MAG YOUR PHONE # THAT VR TAKING ABOUT CAUSE OF THIS SPILL1#
Remarks:	CALLER REPORTING A SPILL FROM A LINE RUPTURE INTO THE BASEMENT OF A RESIDENCE ALL MATERIAL WAS CLEANED UP AND REQ A CALLBACK TO CALLER

Material:

Site ID:	224493
Operable Unit ID:	831409
Operable Unit:	01
Material ID:	546568
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	50
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported

95 MORTON ST/MANHATTAN (Continued) **S102145209**

Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Facility ID:	8806754
DER Facility ID:	185543
Facility Type:	ER
Site ID:	224494
DEC Region:	2
Spill Number:	8806754
Spill Date:	11/13/1988
Spill Cause:	Equipment Failure
Spill Class:	Not reported
Spill Closed Date:	12/15/1988
SWIS:	3101
Investigator:	JCGRATHW
Referred To:	Not reported
Reported to Dept:	11/13/1988
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Local Agency
Cleanup Ceased:	12/15/1988
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/18/1988
Spill Record Last Update:	1/26/1989
Spiller Name:	Not reported
Spiller Company:	WILLIAMS REAL ESTATE CO
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "GRATHWOL"
Remarks:	BOILER UNIT FAILURE, NYCFD RESPONDED FOUND LARGE LEAK, CALLED DEP BOILER SHUT DOWN.

Material:

Site ID:	224494
Operable Unit ID:	921912
Operable Unit:	01
Material ID:	455098
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1000
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

95 MORTON ST/MANHATTAN (Continued) **S102145209**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

NY Hist Spills:

Region of Spill:	2
Spill Number:	8806754
Investigator:	GRATHWOL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/13/1988 13:00
Reported to Dept Date/Time:	11/13/88 16:00
SWIS:	62
Spiller Name:	WILLIAMS REAL ESTATE CO
Spiller Contact:	Not reported
Spiller Phone:	(212) 704-3500
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	02
Spill Notifier:	Local Agency
PBS Number:	Not reported
Cleanup Ceased:	12/15/88
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	12/15/88
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	11/18/88
Date Spill Entered In Computer Data File:	Not reported
Update Date:	01/26/89
Is Updated:	False

95 MORTON ST/MANHATTAN (Continued) **S102145209**

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	1000
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#6 FUEL OIL
Class Type:	#6 FUEL OIL
Times Material Entry In File:	2190
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	Not reported
Remark:	BOILER UNIT FAILURE, NYCFD RESPONDED FOUND LARGE LEAK, CALLED DEP BOILER SHUT DOWN.

Region of Spill:	2
Spill Number:	0009071
Investigator:	TIPPLE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/02/2000 14:00
Reported to Dept Date/Time:	11/06/00 11:59
SWIS:	62
Spiller Name:	UNK
Spiller Contact:	UNK
Spiller Phone:	(000) 000-0000
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Address:	UNK
Spiller City,St,Zip:	UNK, NY
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	09
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False

95 MORTON ST/MANHATTAN (Continued) **S102145209**

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 04/04/01
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 11/06/00
Date Spill Entered In Computer Data File: Not reported
Update Date: 04/04/01
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 50
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 50
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: 04/04/2001 EMTEQUE HANDLED CLEANUP, WASTE MANIFEST AND PHOTOS REVEALING CLEANED AREA SUBMITTED TO DEC
Remark: CALLER REPORTING A SPILL FROM A LINE RUPTURE INTO THE BASEMENT OF A RESIDENCE ALL MATERIAL WAS CLEANED UP AND REQ A CALLBACK TO CALLER

H71 **EAGLE ENVELOPE CO** **RCRA NonGen / NLR** **1001090329**
ENE **95 MORTON ST FLOOR 2** **NY MANIFEST** **NYR000021667**
< 1/8 **NEW YORK, NY 10014**
0.108 mi.
572 ft. **Site 14 of 15 in cluster H**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: EAGLE ENVELOPE CO
Facility address: 95 MORTON ST FLOOR 2
NEW YORK, NY 100143384
EPA ID: NYR000021667
Mailing address: MORTON ST FLOOR 2
NEW YORK, NY 10014
Contact: Not reported
Contact address: MORTON ST FLOOR 2
NEW YORK, NY 10014
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

EAGLE ENVELOPE CO (Continued) **1001090329**

Owner/Operator Summary:

Owner/operator name:	BYRON ASSOCIATES
Owner/operator address:	11 WHITEWOOD DR ROSLYN, NY 11576
Owner/operator country:	US
Owner/operator telephone:	(516) 877-1411
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	BYRON ASSOCIATES
Owner/operator address:	11 WHITEWOOD DR ROSLYN, NY 11576
Owner/operator country:	US
Owner/operator telephone:	(516) 877-1411
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	EAGLE ENVELOPE CO
Classification:	Not a generator, verified

Date form received by agency:	02/16/2000
Facility name:	EAGLE ENVELOPE CO
Classification:	Not a generator, verified

Date form received by agency:	03/29/1996
Facility name:	EAGLE ENVELOPE CO
Classification:	Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYR000021667
Country:	USA

EAGLE ENVELOPE CO (Continued) **1001090329**

Mailing Name:	EAGLE ENVELOPE CO
Mailing Contact:	TOM SUSKIN
Mailing Address:	95 MORTON STREET FLOOR 2
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-741-1010

Document ID:	LAA3371317
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	JA334
Trans2 State ID:	Not reported
Generator Ship Date:	960606
Trans1 Recv Date:	960606
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960716
Part A Recv Date:	960613
Part B Recv Date:	960813
Generator EPA ID:	NYR000021667
Trans1 EPA ID:	NJD986607380
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057770109
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NYB8039259
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	JA334
Trans2 State ID:	Not reported
Generator Ship Date:	960910
Trans1 Recv Date:	960910
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960923
Part A Recv Date:	960918
Part B Recv Date:	961024
Generator EPA ID:	NYR000021667
Trans1 EPA ID:	NJD986607380
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057770109
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00495
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	009
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

EAGLE ENVELOPE CO (Continued) **1001090329**

Year: 96

Document ID: PAE6150255
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PAAH0420
Trans2 State ID: PAAH0420
Generator Ship Date: 961204
Trans1 Recv Date: 961204
Trans2 Recv Date: 961206
TSD Site Recv Date: 961206
Part A Recv Date: 961224
Part B Recv Date: 970114
Generator EPA ID: NYR000021667
Trans1 EPA ID: NJD986607380
Trans2 EPA ID: NJD986607380
TSDF ID: PAD009439662
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00495
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 009
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 96

Document ID: NYG0257922
Manifest Status: Completed copy
Trans1 State ID: Not reported
Trans2 State ID: PC4339
Generator Ship Date: 970220
Trans1 Recv Date: 970220
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970220
Part A Recv Date: 970305
Part B Recv Date: 970307
Generator EPA ID: NYR000021667
Trans1 EPA ID: NYD049178296
Trans2 EPA ID: Not reported
TSDF ID: NYD049178296
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 04000
Units: P - Pounds
Number of Containers: 010
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 97

H72 ENE < 1/8 0.108 mi. 572 ft. | **95 MORTON ST**
95 MORTON STREET
NEW YORK, NY 10014

NY AST | **A100322500**
N/A

Site 15 of 15 in cluster H

Relative: Higher

Actual: 13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-149241
Program Type:	PBS
UTM X:	583756.37901000003
UTM Y:	4509398.8169299997
Expiration Date:	2013/11/21

Affiliation Records:

Site Id:	4493
Affiliation Type:	Mail Contact
Company Name:	BRICKMAN 95 MORTON ST., LLC
Contact Type:	Not reported
Contact Name:	ROBERT CICCIARI, BLDG. MANAGER
Address1:	95 MORTON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 255-2139
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/29/2009

Site Id:	4493
Affiliation Type:	On-Site Operator
Company Name:	95 MORTON ST
Contact Type:	Not reported
Contact Name:	ROBERT CICCIARI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 255-2139
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/29/2009

Site Id:	4493
Affiliation Type:	Emergency Contact
Company Name:	BRICKMAN 95 MORTON ST., LLC
Contact Type:	Not reported
Contact Name:	ROBERT CICCIARI
Address1:	Not reported
Address2:	Not reported

95 MORTON ST (Continued) **A100322500**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 626-0318
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/29/2009

Site Id:	4493
Affiliation Type:	Owner
Company Name:	BRICKMAN 95 MORTON ST., LLC
Contact Type:	BLDG. MANAGER
Contact Name:	ROBERT CICCIARI
Address1:	95 MORTON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 255-2139
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	1/29/2009

Tank Info:

Tank Number:	001
Tank Id:	8122

Equipment Records:

C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K01 - Spill Prevention - Catch Basin
F04 - Pipe External Protection - Fiberglass
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
E02 - Piping Secondary Containment - Vault (with Access)
B02 - Tank External Protection - Original Sacrificial Anode

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1960
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported

95 MORTON ST (Continued) **A100322500**

Register: True
Modified By: MSBAPTIS
Last Modified: 11/13/2008

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73 West < 1/8 0.109 mi. 576 ft. **WESTSIDE HIGWAY (RTE. 9A)** **NY UST** **U003312881**
WEST OF SOUTH BOUND LANES OF 9A,BETWEEN **NY HIST UST** **N/A**
NEW YORK, NY 10014

Relative: Lower

Actual: 1 ft.

UST:
Facility Id: 2-603491
Region: STATE
DEC Region: 2
Site Status: Unregulated
Program Type: PBS
Expiration Date: N/A
UTM X: 583451
UTM Y: 4508248

Affiliation Records:
Site Id: 25407
Affiliation Type: Owner
Company Name: NEW YORK STATE DEPARTMENT OF TRANSPORTATION
Contact Type: Not reported
Contact Name: Not reported
Address1: PIER 40, ROOM 7
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10014
Country Code: 001
Phone: (212) 627-9651
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 25407
Affiliation Type: Mail Contact
Company Name: NEW YORK DEPARMTMENT OF TRANSPORTATION
Contact Type: Not reported
Contact Name: CRAIG ROYLE
Address1: PIER 40, ROOM 7
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10014
Country Code: 001
Phone: (212) 627-9651
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 25407

WESTSIDE HIGWAY (RTE. 9A) (Continued) **U003312881**

Affiliation Type:	On-Site Operator
Company Name:	WESTSIDE HIGWAY (RTE. 9A)
Contact Type:	Not reported
Contact Name:	DOT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 627-9651
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	25407
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK STATE DEPARTMENT OF TRANSPORTATION
Contact Type:	Not reported
Contact Name:	DOT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(323) 627-9651
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	25407
Tank Number:	001
Tank ID:	54544
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported

WESTSIDE HIGWAY (RTE. 9A) (Continued) **U003312881**

Date Tank Closed: 05/01/1998
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 25407

Tank Number: 002
Tank ID: 54545
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
C02 - Pipe Location - Underground/On-ground
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
I00 - Overfill - None
Install Date: Not reported
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 05/01/1998
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 25407

Tank Number: 003
Tank ID: 54546
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None
Install Date: Not reported
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported

WESTSIDE HIGWAY (RTE. 9A) (Continued) **U003312881**

Date Tank Closed: 05/01/1998
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

Site ID: 25407

Tank Number: 004
Tank ID: 54663
Tank Status: Closed - Removed
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
I00 - Overfill - None
Install Date: 06/01/1998
Capacity Gallons: 550
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 06/01/1998
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: TRANSLAT
Last Modified: 03/04/2004

HIST UST:
PBS Number: 2-603491
SPDES Number: Not reported
Emergency Contact: DOT
Emergency Telephone: (323) 627-9651
Operator: DOT
Operator Telephone: (212) 627-9651
Owner Name: NEW YORK STATE DEPARTMENT OF TRANSPORTATION
Owner Address: PIER 40, ROOM 7
Owner City,St,Zip: NEW YORK, NY 10014
Owner Telephone: (212) 627-9651
Owner Type: State Government
Owner Subtype: NYS Department of Transportation
Mailing Name: NEW YORK DEPARMTMENT OF TRANSPORTATION
Mailing Address: PIER 40, ROOM 7
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10014
Mailing Contact: CRAIG ROYLE
Mailing Telephone: (212) 627-9651
Owner Mark: First Owner

WESTSIDE HIGWAY (RTE. 9A) (Continued) **U003312881**

Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	N.MOORE ST. & HUBERT ST,NEXT TO PUB.ZONE
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	05/21/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed

WESTSIDE HIGWAY (RTE. 9A) (Continued) **U003312881**

Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	05/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	19980601
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE

WESTSIDE HIGWAY (RTE. 9A) (Continued) **U003312881**

Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	06/01/1998
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

I74 **EDR US Hist Auto Stat** **1015228401**
NNE **144 BARROW ST** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.109 mi.
577 ft. **Site 2 of 6 in cluster I**

Relative:
Higher

Actual:
10 ft.

EDR Historical Auto Stations:

Name:	BARROW AUTO REPAIR OF NEW YORK INC
Year:	2011
Address:	144 BARROW ST
Name:	BARROW AUTO REPAIR OF NEW YORK INC
Year:	2012
Address:	144 BARROW ST

I75 **CON ED-V5931** **NY MANIFEST** **S109064685**
NNE **125 BARROW ST** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.111 mi.
585 ft. **Site 3 of 6 in cluster I**

Relative:
Higher

Actual:
11 ft.

NY MANIFEST:

EPA ID:	NYZ004020541
Country:	USA
Mailing Name:	CON ED-V5931
Mailing Contact:	Not reported
Mailing Address:	Not reported
Mailing Address 2:	Not reported
Mailing City:	Not reported
Mailing State:	Not reported
Mailing Zip:	Not reported
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	Not reported

CON ED-V5931 (Continued) **S109064685**

NY MANIFEST:
No Manifest Records Available

F76 ESE < 1/8 0.111 mi. 588 ft. | **DRUM RUN CLARKSON ST MANHATTEN, NY** | **NY Spills** | **S109061913 N/A**

Site 6 of 9 in cluster F

Relative: Higher

Actual: 13 ft.

SPILLS:

Facility ID:	0800654
DER Facility ID:	345927
Facility Type:	ER
Site ID:	396438
DEC Region:	2
Spill Number:	0800654
Spill Date:	4/16/2008
Spill Cause:	Abandoned Drums
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	4/30/2008
SWIS:	3101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	4/16/2008
CID:	444
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/16/2008
Spill Record Last Update:	4/30/2008
Spiller Name:	VICTOR LEE
Spiller Company:	Not reported
Spiller Address:	CLARKSON ST
Spiller City,St,Zip:	MANHATTEN, NY
Spiller Company:	999
Contact Name:	VICTOR LEE
Contact Phone:	(646) 584-3544
DEC Memo:	Blue 55 gal drum on sidewalk mid block between Greenwich St & Hudson St04/30/08 Drum found on 04/29/08, liquid was pumped out. NYC Sanitation Dept was notified to remove the empty drum.(sr)
Remarks:	BLUE 55 GAL DRUM ON SIDEWALK- MID BLOCK - NEEDS TO BE PICKED UP

Material:

Site ID:	396438
Operable Unit ID:	1153406
Operable Unit:	01
Material ID:	2144165
Material Code:	0013
Material Name:	Lube Oil
Case No.:	Not reported
Material FA:	Petroleum

DRUM RUN (Continued) **S109061913**

Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

I77 **FIVE GALLONS IN VAULT VS #5931** **NY Spills** **S108296024**
NNE **125 BARROW STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.112 mi.
594 ft. **Site 4 of 6 in cluster I**

Relative:
Higher

Actual:
11 ft.

SPILLS:
Facility ID: 0609370
DER Facility ID: 323314
Facility Type: ER
Site ID: 373574
DEC Region: 2
Spill Number: 0609370
Spill Date: 11/15/2006
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 2/16/2007
SWIS: 3101
Investigator: GDBREEN
Referred To: Not reported
Reported to Dept: 11/15/2006
CID: 444
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 11/15/2006
Spill Record Last Update: 2/16/2007
Spiller Name: ERTS
Spiller Company: CON EDISON VS #5931
Spiller Address: 125 BARROW STREET
Spiller City,St,Zip: NEW YORK, NY

FIVE GALLONS IN VAULT VS #5931 (Continued) **S108296024**

Spiller Company:	999
Contact Name:	ERTS
Contact Phone:	(212) 580-8383
DEC Memo:	02/16/07 - See e-docs for Con Ed report detailing cleanup and closure.203320. see eDocs
Remarks:	needs to be denenergized before clean up: no to 5 questions: 203320

Material:

Site ID:	373574
Operable Unit ID:	1131274
Operable Unit:	01
Material ID:	2120967
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

I78 **BARROW ST & WASHINGTON ST** **NY Spills** **S102239983**
NNE **BARROW ST & WASHINGTON ST** **NY Hist Spills** **N/A**
< 1/8 **NEW YORK, NY**
0.113 mi.
597 ft. **Site 5 of 6 in cluster I**

Relative:
Higher

Actual:
11 ft.

SPILLS:

Facility ID:	9602167
DER Facility ID:	224577
Facility Type:	ER
Site ID:	276220
DEC Region:	2
Spill Number:	9602167
Spill Date:	5/15/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	5/31/1996
SWIS:	3101
Investigator:	KATZ
Referred To:	Not reported
Reported to Dept:	5/15/1996
CID:	349

BARROW ST & WASHINGTON ST (Continued) **S102239983**

Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/15/1996
Spill Record Last Update:	5/31/1996
Spiller Name:	STEVE ROMERO
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	portable compressor leaked onto pavement - cleaned up

Material:

Site ID:	276220
Operable Unit ID:	1033722
Operable Unit:	01
Material ID:	351969
Material Code:	0043A
Material Name:	ANTIFREEZE
Case No.:	Not reported
Material FA:	Other
Quantity:	2
Units:	Gallons
Recovered:	2
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9602167
Investigator:	KATZ
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported

BARROW ST & WASHINGTON ST (Continued) **S102239983**

Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 05/15/1996 09:10
Reported to Dept Date/Time: 05/15/96 10:35
SWIS: 62
Spiller Name: CON ED
Spiller Contact: STEVE ROMERO
Spiller Phone: (212) 580-6764
Spiller Address: 4 IRVING PLACE
Spiller City,St,Zip: NEW YORK, NY 10003-
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 07
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/31/96
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 05/15/96
Date Spill Entered In Computer Data File: Not reported
Update Date: 05/31/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Hazardous Material
Quantity Spilled: 2
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 2
Unkonwn Quantity Recovered: False
Material: ANTIFREEZE
Class Type: ANTIFREEZE
Times Material Entry In File: 0
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: Not reported
Remark: portable compressor leaked onto pavement - cleaned up

F79 East < 1/8 0.121 mi. 637 ft. | **111 LEROY STREET**
111 LEROY STREET
NEW YORK, NY 10014

Site 7 of 9 in cluster F

NY UST | **U004044929**
N/A

Relative: Higher

Actual: 14 ft.

UST:

Facility Id:	2-608656
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2008/03/26
UTM X:	583813.71311000001
UTM Y:	4509295.9899500003

Affiliation Records:

Site Id:	30508
Affiliation Type:	Owner
Company Name:	IRMA ASSOCIATES LLC % FIEBER MANAGEMENT
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	105 COURT ST.
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11201
Country Code:	001
Phone:	(718) 852-4001
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30508
Affiliation Type:	Mail Contact
Company Name:	% MRS. RITA FIEBER
Contact Type:	Not reported
Contact Name:	IRMA ASSOCIATES LLC
Address1:	134 CEDAR AVENUE
Address2:	Not reported
City:	HEWLETT
State:	NY
Zip Code:	11557
Country Code:	001
Phone:	(516) 374-7240
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30508
Affiliation Type:	On-Site Operator
Company Name:	111 LEROY STREET
Contact Type:	Not reported
Contact Name:	ROB HALLE
Address1:	Not reported
Address2:	Not reported

111 LEROY STREET (Continued) **U004044929**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 647-1114
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30508
Affiliation Type:	Emergency Contact
Company Name:	IRMA ASSOCIATES LLC % FIEBER MANAGEMENT
Contact Type:	Not reported
Contact Name:	EDWARD KAMINSKY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 750-3636
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	30508
Tank Number:	0001
Tank ID:	65458
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	21
Next Test Date:	06/17/2008
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	06/17/2003

111 LEROY STREET (Continued) **U004044929**

Registered:	True
Modified By:	SCREICHI
Last Modified:	06/12/2006

F80
East
< 1/8
0.121 mi.
637 ft.

LOT 83,TAXBLOCK 602
111 LEROY STREET
MANHATTAN, NY 10014

Site 8 of 9 in cluster F

NY E DESIGNATION **S109318177**
N/A

Relative:
Higher

Actual:
14 ft.

E DESIGNATION:

Tax Lot(s):	83
E-No:	E-211
Effective Date:	7/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	07DCP095M
Ulurp Number:	070575ZMM
Zoning Map No:	12a
Description:	Air Quality - #2 Fuel Oil or Natural Gas Heat and Hot Water
Borough Code:	MN
Community District:	102
Census Tract:	69
Census Block:	1002
School District:	02
City Council District:	03
Fire Company:	E024
Health Area:	15
Police Precinct:	006
Zone District 1:	M1-5
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	M1-5
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	IRMA ASSOCIATES,
Lot Area:	000004000
Total Building Floor Area:	00000008025
Commercial Floor Area:	00000008025
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000008025
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0040.00
Lot Depth:	0100.00

LOT 83,TAXBLOCK 602 (Continued) **S109318177**

Building Frontage:	0040.00
Building Depth:	0100.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000194850
Total Assessed Value:	00000376200
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1947
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.01
Maximum Allowable Far:	5.00
Borough Code:	1
Borough Tax Block And Lot:	1006020083
Condominium Number:	00000
Census Tract 2:	0069
X Coordinate:	0982173
Y Coordinate:	0205413
Zoning Map:	12A
Sanborn Map:	103 001
Tax Map:	10208
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	83
E-No:	E-211
Effective Date:	7/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	07DCP095M
Ulurp Number:	070575ZMM
Zoning Map No:	12a
Description:	Exhaust stack location limitations
Borough Code:	MN
Community District:	102
Census Tract:	69
Census Block:	1002
School District:	02
City Council District:	03
Fire Company:	E024
Health Area:	15
Police Precinct:	006
Zone District 1:	M1-5
Zone District 2:	Not reported

LOT 83,TAXBLOCK 602 (Continued) **S109318177**

Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	Not reported
Special Purpose District2:	Not reported
All Components1:	M1-5
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	K9
Land Use Category:	05
Number of Easements:	0
Owner, Type of Code:	Not reported
Owner Name:	IRMA ASSOCIATES,
Lot Area:	000004000
Total Building Floor Area:	00000008025
Commercial Floor Area:	00000008025
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000008025
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000000000
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	002.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0040.00
Lot Depth:	0100.00
Building Frontage:	0040.00
Building Depth:	0100.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000194850
Total Assessed Value:	00000376200
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1947
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Not reported
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0002.01
Maximum Allowable Far:	5.00
Borough Code:	1
Borough Tax Block And Lot:	1006020083
Condominium Number:	00000
Census Tract 2:	0069
X Coordinate:	0982173
Y Coordinate:	0205413
Zoning Map:	12A
Sanborn Map:	103 001
Tax Map:	10208
E Designation No:	Not reported
Date of RPAD Data:	11/2005

LOT 83,TAXBLOCK 602 (Continued) **S109318177**

Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

F81 **111 LEROY ST** **NY LTANKS** **S105998775**
East **111 LEROY ST** **NY Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.121 mi.
641 ft. **Site 9 of 9 in cluster F**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	283679
Spill No:	0300861
Spill Date:	4/24/2003
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	5/2/2006
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	4/24/2003
CID:	257
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/24/2003
Spill Record Last Update:	5/2/2006
Spiller Name:	ED KAMINSKY
Spiller Company:	HANDSMAN & KAMINSKY, LLP
Spiller Address:	101 EAST 52ND STREET
Spiller City,St,Zip:	MANHATTAN, NY 10022
Spiller County:	001
Spiller Contact:	ED KAMINSKI
Spiller Phone:	(212) 750-0615
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	230091
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE/DDO"4/24/03 TJDTTF letter sent.7/22/05 mt//one page arrived, references 3 drums of contaminants removed, did not describe what was left behind or where the contaminants went//not nearly adequate info to petition for closure.// the name on bottom of letter is "office manager"4/20/06 Spoke to Michael Griffin (cell 516-924-2628), one of the property owners. He hired USA Environmental to collect soil samples from the former excavated area. They collected the samples

111 LEROY ST (Continued) **S105998775**

but have not provided any data or a report. Mr. Griffin indicated that he will be hiring another company in order to move ahead. (KMF)5/2/06 - reviewed soil borings results from Petroleum Tank Cleaners, Ltd. Sample results show no release. Spill closed and NFA letter issued. - KST

Remarks: wet & dry leak

Material:

Site ID:	283679
Operable Unit ID:	867228
Operable Unit:	01
Material ID:	508934
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

SPILLS:

Facility ID:	0611866
DER Facility ID:	326188
Facility Type:	ER
Site ID:	376595
DEC Region:	2
Spill Number:	0611866
Spill Date:	1/26/2007
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	Not Closed
SWIS:	3101
Investigator:	GDBREEN
Referred To:	Not reported
Reported to Dept:	1/26/2007
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported

111 LEROY ST (Continued) **S105998775**

Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	1/26/2007
Spill Record Last Update:	1/16/2008
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Contact Name:	MARGARET GENTLE
Contact Phone:	(718) 665-5700
DEC Memo:	spill was caused by ConEd and is being cleaned up by them.204253. see eDocs. 4/13/07: Spill submitted for closure by Con Ed. Request denied, with comment: "Was repair made to damaged fill line? Was contractor that installed vault working for Con Ed?" (JHO)5/15/07: spill submitted for closure by Con Ed. Response to above comment was: "Safeway Construction Enterprises was working directly for Con Edison. Safeway repaired the oil fill line. Safeway also conducted the clean up and disposed of the non-haz oily debris." Request for closure denied, with comment: "Following completion of repairs to fill line, a NYSDEC-approved precision test is required to confirm repair was successful. Was testing performed? What test method was used?" (JHO)12/19/07: e-mail from Con Ed (Brian Bellows) regarding testing of the line:"As mentioned, there is no access to the tank system for line testing. In addition, approval from the property owner will be needed for work on their tank as mentioned below. Any guidance in resolving this issue would be appreciated." Attached to Con Ed (Bellows) e-mail was an e-mail from Con Ed's contractor (Robert M. Laga of The Franklin Company Contractors, Inc.), which states:"Based upon my inspection, there is a buried tank located under the building. The tank has a fill line, vent line, suction and return. The only access to the tank is through a 24"x24" manhole to a round man-way cover, I noticed a few bolts missing in the cover. The cover has noopenings on it to access the tank. The size of the tank is questionable."Testing the tank through approved methods by the DEC/EPA is not possible because there is no access to the tank. In the event you are required to test the tank, the DEC has allowed in the past, to test the tank through the vent line. This test would only be an indication ofweather the tank was tight or non-tight. To perform a complete test, the water intrusion portion of the test must be performed. Water intrusion testing does not have to be completed if it can be demonstrated to the DEC that groundwater is well below the bottom of the tank. This could be determined suing a Geo-probe rig for an additional cost."Another option is to have us remove the man-way lid and weld on a 2" or 4" bung. This would allow us to test the tank the conventional method, but would require a few days to prepare and get the tank ready for testing." (JHO)12/20/07: e-mail to Con Ed (Bellows):"Please clarify the sequence of events for me. As I understand it, your contractor disconnected the fill line in order to install the vault. The fill line was re-connected but leaked (?) or did the leak happen during the disconnection period? At what point was the fill line re-connected?" (JHO)12/21/07: e-mail response from Con Ed (Bellows):"On January 26, 2007, a spill was cleaned up in the area where the contractor had removed an oil fill line when

111 LEROY ST (Continued) **S105998775**

constructing a vault. When the oil company came to make a delivery, the oil leaked into the backfilled excavation. The contractor came back and excavated soil thenmade the repairs to the oil fill line they removed." (JHO)12/21/07: E-mail to Con Ed (Bellows):"Was the initial spill they cleaned up (on Jan 26) a result of the line being disconnected?" (JHO)12/21/07: e-mail response from Con Ed (Bellows):"According to the inspector, the final clean up was completed on 1-26-07 at 1500 hrs. Clean up was completed by Safeway construction. The affected 2 yards soil was dug up and replaced with clean soil."1/16/08: E-mail from Con Ed (Bellows):"Just a quick follow-up on this spill event, I believe you were checking to see if we would be required to have the entire tank system tested since the tank line could not be isolated. As mentioned previously the tank system would need to be modified for testing. Let me know if anything else is needed at this time or if a tank testing determination is made." E-mail reply to Con Ed (Bellows): "I spoke with our PBS staff [Jacob Krimgold], and they said the line has to be tested. I checked the records for this building, and saw that the tank system was tested in 2003 using the Horner EZ3 testing method, and is due for another test in June 2008. Perhaps thatmethod can be used again." (JHO)

Remarks: CON ED DID THE DIGGING AND HIT THE OIL LINE :; CON ED WILL CLEAN UP: 204253.

Material:

Site ID:	376595
Operable Unit ID:	1134167
Operable Unit:	01
Material ID:	2124027
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

J82 **111 BARROW ST** **NY HIST UST** **U001835483**
NE **111 BARROW ST** **N/A**
< 1/8 **NY, NY 10014**
0.123 mi.
647 ft. **Site 1 of 5 in cluster J**

Relative:
Higher

Actual:
13 ft.

HIST UST:

PBS Number:	2-282367
SPDES Number:	Not reported
Emergency Contact:	THOMAS ESCHMANN
Emergency Telephone:	(212) 977-4813
Operator:	MANHATTAN SKYLINE MGT CORP
Operator Telephone:	(212) 977-4813
Owner Name:	BARROW STREET OWNERS INC.
Owner Address:	103 W 55TH ST
Owner City,St,Zip:	NY, NY 10019
Owner Telephone:	(212) 977-4813
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	INSIGNIA RESIDENTIAL GROUP
Mailing Address:	675 THIRD AVENUE
Mailing Address 2:	6TH FLOOR
Mailing City,St,Zip:	NEW YORK, NY 10017
Mailing Contact:	PAT PETTWAY-BROWN
Mailing Telephone:	(212) 370-9200
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	111 BARROW ST
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	11/17/2000
Expiration Date:	07/14/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	10000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	10000

111 BARROW ST (Continued) **U001835483**

Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

K83 **TECHNICOLOR EAST COAST INC** **RCRA-SQG** **1012187020**
East **110 LEROY ST** **NYR000168849**
< 1/8 **NEW YORK, NY 10014**
0.123 mi.
647 ft. **Site 1 of 8 in cluster K**

Relative:
Higher

Actual:
14 ft.

RCRA-SQG:

Date form received by agency:	09/16/2009
Facility name:	TECHNICOLOR EAST COAST INC
Facility address:	110 LEROY ST NEW YORK, NY 10014
EPA ID:	NYR000168849
Mailing address:	LEROY ST NEW YORK, NY 10014
Contact:	RICHARD SKEETE
Contact address:	LEROY ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 886-5200
Telephone ext.:	5274
Contact email:	RICHARD.SKEETE@TECHNICOLOR.COM
EPA Region:	02
Land type:	Private
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TECHNICOLOR EAST COAST INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported

TECHNICOLOR EAST COAST INC (Continued) **1012187020**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 02/14/2005
Owner/Op end date: Not reported

Owner/operator name: TECHNICOLOR EAST COAST INC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/14/2005
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D011
Waste name: SILVER

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 08/25/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

TECHNICOLOR EAST COAST INC (Continued) **1012187020**

Date achieved compliance: Not reported
Evaluation lead agency: State

K84
East
< 1/8
0.123 mi.
647 ft.

TECHNICOLOR EAST COAST INC
110 LEROY ST
MANHATTAN, NY 10014

NY MANIFEST **S110047335**
N/A

Site 2 of 8 in cluster K

Relative:
Higher

Actual:
14 ft.

NY MANIFEST:

EPA ID:	NYR000168849
Country:	USA
Mailing Name:	TECHNICOLOR EAST COAST INC
Mailing Contact:	RICHIE SKEETE
Mailing Address:	110 LEROY ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-886-5200

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAC300016672
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-05
Trans1 Recv Date:	2012-07-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-13
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	18.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004162881FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAC300016672
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-05
Trans1 Recv Date:	2012-07-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-13
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	112.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004162881FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAC300016672
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-05
Trans1 Recv Date:	2012-07-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-13
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	141.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Year:	2012
Manifest Tracking Num:	004162881FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAC300016672
Trans2 State ID:	Not reported
Generator Ship Date:	2012-07-05
Trans1 Recv Date:	2012-07-05
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-07-13
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	8.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004162881FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	16.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	45.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	2.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	4.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	CY - Cylinders
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Mgmt Method Type Code: H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	78.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	108.0
Units:	P - Pounds
Number of Containers:	1.0

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	132.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	109.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	398.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	378.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	298.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	25.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	55.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Quantity:	736.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520961FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-28
Trans1 Recv Date:	2012-03-28
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000168849
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	382.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004520962FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

TECHNICOLOR EAST COAST INC (Continued) **S110047335**

Click this hyperlink while viewing on your computer to access
5 additional NY_MANIFEST: record(s) in the EDR Site Report.

J85 **DEE MANAGEMENT** **NY Spills** **S104500346**
NE **111 BARROW ST** **NY Hist Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.123 mi.
651 ft. **Site 2 of 5 in cluster J**

Relative:
Higher

Actual:
13 ft.

SPILLS:

Facility ID:	9510480
DER Facility ID:	119624
Facility Type:	ER
Site ID:	140054
DEC Region:	2
Spill Number:	9510480
Spill Date:	11/20/1995
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	11/20/1995
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	11/20/1995
CID:	351
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/20/1995
Spill Record Last Update:	4/5/2000
Spiller Name:	MATHEW AHERN
Spiller Company:	GOTHAM PETROLEUM
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	JIM CAREY
Contact Phone:	(718) 579-3414
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	BAD GAUGE CAUSED SPILL - ALL MATERIAL WAS RECOVERED

Material:

Site ID:	140054
Operable Unit ID:	1024962
Operable Unit:	01
Material ID:	357842
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum

DEE MANAGEMENT (Continued) **S104500346**

Quantity:	4
Units:	Gallons
Recovered:	4
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9510480
Investigator:	MARTINKAT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/20/1995 09:30
Reported to Dept Date/Time:	11/20/95 15:47
SWIS:	62
Spiller Name:	GOTHAM PETROLEUM
Spiller Contact:	MATHEW AHERN
Spiller Phone:	(718) 389-8100
Spiller Contact:	JIM CAREY
Spiller Phone:	(718) 579-3414
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/20/95

DEE MANAGEMENT (Continued) **S104500346**

Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 11/20/95
Date Spill Entered In Computer Data File: Not reported
Update Date: 04/05/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 4
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 4
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: BAD GAUGE CAUSED SPILL - ALL MATERIAL WAS RECOVERED

J86 **MANHOLE 36357** **NY Spills** **S104651613**
NE **MORTON ST & GREENICH ST** **NY Hist Spills** **N/A**
< 1/8 **MANHATTAN, NY**
0.124 mi.
657 ft. **Site 3 of 5 in cluster J**

Relative:
Higher

Actual:
14 ft.

SPILLS:
Facility ID: 0000231
DER Facility ID: 96787
Facility Type: ER
Site ID: 110522
DEC Region: 2
Spill Number: 0000231
Spill Date: 4/6/2000
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 3/15/2004
SWIS: 3101
Investigator: JHOCONNE
Referred To: Not reported
Reported to Dept: 4/6/2000
CID: 205
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported

MANHOLE 36357 (Continued) **S104651613**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/6/2000
Spill Record Last Update:	3/15/2004
Spiller Name:	CALLER
Spiller Company:	CON ED
Spiller Address:	4 IRVING PL
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 130777:1 pint of distribution feeder dielectric fluid leaked from a set of 1/2 duplex joints in manhole #36357. Placed pads on floor of manhole. Spill no way near sump. No water,no smoke or fire. crew going to above location will take a sample for pcb and cleanup to be made 50-499 ppm PCB.4/6/00 10:20 hrs. Emergency Bureau reports to Zoeller that further inspection of the spill matter identifies it as a solid compound. Fred Simms had contacted Kieran O'Flynn who had noted that he didn't report any oil spill. Prior to Kieran arriving on site the structure was flushed by a Flush Truck - no oil was found at that time either. This structure and job is considered "Clean" and no tag was hung. Initial report of oil was incorrect.
Remarks:	caller reportes 1 pt spill in manhole from leaking feeder cable joint. con ed # 130777.

Material:

Site ID:	110522
Operable Unit ID:	821976
Operable Unit:	01
Material ID:	288488
Material Code:	0541A
Material Name:	DIELECTRIC FLUID
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

MANHOLE 36357 (Continued) **S104651613**

NY Hist Spills:

Region of Spill:	2
Spill Number:	0000231
Investigator:	O'CONNELL
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	04/06/2000 06:00
Reported to Dept Date/Time:	04/06/00 07:20
SWIS:	62
Spiller Name:	CON ED
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Address:	4 IRVING PL
Spiller City,St,Zip:	NEW YORK, NY
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	02
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	/ /
Cleanup Meets Std:	False
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	04/06/00
Date Spill Entered In Computer Data File:	Not reported
Update Date:	04/06/00
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	1
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0

MANHOLE 36357 (Continued) **S104651613**

Unkonwn Quantity Recovered: False
Material: DIELECTRIC FLUID
Class Type: DIELECTRIC FLUID
Times Material Entry In File: 41
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: Not reported
Remark: caller reportes 1 pt spill in manhole from leaking feeder cable joint. con ed 130777.

J87
NE
1/8-1/4
0.138 mi.
726 ft.

Relative:
Higher

Actual:
14 ft.

CON EDISON OF NY. MH#36363 **CT MANIFEST** **S109786789**
GREENWICH & BARROW ST. **N/A**
MANHATTAN, NY

Site 4 of 5 in cluster J

CT MANIFEST:

Waste:
Manifest No: CTF0810265
Waste Occurence: 1
UNNA: 3077
Hazard Class: 9
US Dot Description: ENVIRONMENTALLY HAZ. SUBSTANCES,SOLID
No of Containers: 001
Container Type: DT
Quantity: 2
Weight/Volume: Y
Additional Description: Not reported
Handling Code: Not reported
Date Record Was Last Modified: 4/27/2004
DEO Who Last Modified Record: IG

Waste CD:
Manifest No: CTF0810265
Waste Occurence: 1
EPA Waste Code: D008
Recycled Waste?: F
Date Record Was Last Modified: 4/27/2004
DEO Who Last Modified Record: IG

Detail:
Year: 2000
Manifest ID: CTF0810265
TSDF EPA ID: CTD000604488
TSDF Name: CLEAN HARBORS OF CONNECTICUT, INC.
TSDF Address: 51 BRODERICK RD
TSDF City,St,Zip: BRISTOL, CT 06010
TSDF Country: USA
TSDF Telephone: Not reported
Transport Date: 11/15/2000
Transporter EPA ID: MAD039322250
Transporter Name: CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Transporter Country: USA
Transporter Phone: Not reported
Trans 2 Date: 11/17/2000
Trans 2 EPA ID: Not reported

CON EDISON OF NY. MH#36363 (Continued) **S109786789**

Trans 2 Name:	Not reported
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYP004067153
Generator Phone:	Not reported
Generator Mailing Addr:	GREENWICH & BARROW ST. MANHATTAN
Generator Mailing Town:	Not reported
Generator Mailing State:	NY
Generator Mailing Zip:	Not reported
Generator Mailing Country:	USA
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	11/15/2000
Date Received:	11/17/2000
Last modified date:	4/27/2004
Last modified by:	IG
Comments:	Not reported

K88 **PRINTING HOUSE** **NY AST** **U003391398**
East **421 HUDSON ST** **NY HIST AST** **N/A**
1/8-1/4 **NY, NY 10014**
0.141 mi.
744 ft. **Site 3 of 8 in cluster K**

Relative:
Higher

Actual:
14 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-370355
Program Type:	PBS
UTM X:	583893.29620999994
UTM Y:	4509278.3559900001
Expiration Date:	2008/03/28

Affiliation Records:

Site Id:	18703
Affiliation Type:	Owner
Company Name:	MOUNTBATTEN EQUITIES
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	421 HUDSON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 243-1320
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	18703
Affiliation Type:	Mail Contact

PRINTING HOUSE (Continued) **U003391398**

Company Name:	MOUNTBATTEN EQUITIES
Contact Type:	Not reported
Contact Name:	GLORIA L. PICA, MG. AGENT
Address1:	421 HUDSON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 243-1320
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	18703
Affiliation Type:	On-Site Operator
Company Name:	PRINTING HOUSE
Contact Type:	Not reported
Contact Name:	SUPER- M SHEIKH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 243-1320
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	18703
Affiliation Type:	Emergency Contact
Company Name:	MOUNTBATTEN EQUITIES
Contact Type:	Not reported
Contact Name:	M. SHEIKH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-9378
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	004
Tank Id:	21400

PRINTING HOUSE (Continued) **U003391398**

Equipment Records:

C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1974
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-370355
SWIS Code:	6201
Operator:	SUPER- M SHEIKH
Facility Phone:	(212) 243-1320
Facility Addr2:	421 HUDSON ST
Facility Type:	APARTMENT BUILDING
Emergency:	M. SHEIKH
Emergency Tel:	(212) 924-9378
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MOUNTBATTEN EQUITIES
Owner Address:	421 HUDSON STREET
Owner City,St,Zip:	NEW YORK, NY 10014
Federal ID:	Not reported
Owner Tel:	(212) 243-1320
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	GLORIA L. PICA, MG. AGENT
Mailing Name:	MOUNTBATTEN EQUITIES
Mailing Address:	421 HUDSON ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NY, NY 10014
Mailing Telephone:	(212) 243-1320
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

PRINTING HOUSE (Continued) **U003391398**

Certification Flag:	True
Certification Date:	02/19/1998
Expiration:	03/28/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	10000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2
Tank ID:	004
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19741201
Capacity (Gal):	10000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	45
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

K89 **PRINTING HOUSE VALET** **NY DRYCLEANERS** **S110247684**
East **421 HUDSON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.141 mi.
744 ft. **Site 4 of 8 in cluster K**

Relative:
Higher

Actual:
14 ft.

DRYCLEANERS:

Facility ID:	DROP SHOP
Phone Number:	Not reported
Region:	2
Registration Effective Date:	N/A
Inspection Date:	07MAY16
Install Date:	Not reported
Drop Shop:	Y

PRINTING HOUSE VALET (Continued) **S110247684**

Shutdown: Not reported
Alternate Solvent: Not reported
Current Business: DROP SHOP

I90
North
1/8-1/4
0.146 mi.
770 ft.

183 CHRISTOPHER ST
NEW YORK, NY 10014

EDR US Hist Cleaners **1015007641**
N/A

Site 6 of 6 in cluster I

Relative:
Higher

Actual:
9 ft.

EDR Historical Cleaners:

Name: ONE CLEANERS INC
Year: 2001
Address: 183 CHRISTOPHER ST

Name: BEST NEW YORK LAUNDRY
Year: 2007
Address: 183 CHRISTOPHER ST

Name: BEST NEW YORK LAUNDRY
Year: 2008
Address: 183 CHRISTOPHER ST

Name: BEST NEW YORK LAUNDRY
Year: 2009
Address: 183 CHRISTOPHER ST

Name: BEST NEW YORK LAUNDRY
Year: 2010
Address: 183 CHRISTOPHER ST

L91
ENE
1/8-1/4
0.146 mi.
772 ft.

NYS OFFICE OF MENTAL RETARDATION & DEVELOPMENTAL DISABILITIE **RCRA-SQG** **1012186435**
75 MORTON ST **NYR000162966**
NEW YORK, NY 10014

Site 1 of 7 in cluster L

Relative:
Higher

Actual:
15 ft.

RCRA-SQG:

Date form received by agency: 02/12/2009
Facility name: NYS OFFICE OF MENTAL RETARDATION & DEVELOPMENTAL DISABILITIES METRO NY DDSO
Facility address: 75 MORTON ST
NEW YORK, NY 10014
EPA ID: NYR000162966
Mailing address: MORTON ST
NEW YORK, NY 10014
Contact: CRYSTAL GRAHAM
Contact address: MORTON ST
NEW YORK, NY 10014
Contact country: US
Contact telephone: (212) 229-3103
Contact email: CRYSTAL.K.GRAHAM@OMR.STATE.NY.US
EPA Region: 02
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of

NYS OFFICE OF MENTAL RETARDATION & DEVELOPMENTAL DISABILITIE (Continued) **1012186435**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	STATE OF NEW YORK
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	04/07/1988
Owner/Op end date:	Not reported

Owner/operator name:	STATE OF NEW YORK
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	04/07/1988
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	D039
Waste name:	TETRACHLOROETHYLENE

Waste code:	F002
Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

NYS OFFICE OF MENTAL RETARDATION & DEVELOPMENTAL DISABILITIE (Continued) **1012186435**

Violation Status: No violations found

L92 ENE 1/8-1/4 0.146 mi. 772 ft. — **NYS OFFICE OF MR&DD METRO NY DDSO** — **NY MANIFEST** — **S112141214**
75 MORTON ST — **N/A**
NEW YORK, NY 10014

Site 2 of 7 in cluster L

Relative: Higher

Actual: 15 ft.

NY MANIFEST:

EPA ID:	NYR000162966
Country:	USA
Mailing Name:	NYS OFFICE OF MR&DD METRO NY DDSO
Mailing Contact:	CRYSTAL GRAHAM
Mailing Address:	75 MORTON ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-229-3103

NY MANIFEST:

No Manifest Records Available

L93 ENE 1/8-1/4 0.146 mi. 772 ft. — **MANHATTAN DEVELOPMENTAL CENTER** — **NY AST** — **U003395183**
75 MORTON STREET — **NY HIST AST** — **N/A**
NEW YORK, NY 10014

Site 3 of 7 in cluster L

Relative: Higher

Actual: 15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-479195
Program Type:	PBS
UTM X:	583878.17039999994
UTM Y:	4509383.54153
Expiration Date:	2015/01/10

Affiliation Records:

Site Id:	21329
Affiliation Type:	Owner
Company Name:	NYS OMRDD
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	44 HOLLAND AVENUE
Address2:	Not reported
City:	ALBANY
State:	NY
Zip Code:	12229
Country Code:	001
Phone:	(518) 474-0371
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported

MANHATTAN DEVELOPMENTAL CENTER (Continued) **U003395183**

Modified By:	NRLOMBAR
Date Last Modified:	5/11/2011

Site Id:	21329
Affiliation Type:	Mail Contact
Company Name:	METRO NEW YORK DDSO
Contact Type:	Not reported
Contact Name:	CALVIN MORGAN
Address1:	75 MORTON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 229-3073
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/7/2012

Site Id:	21329
Affiliation Type:	On-Site Operator
Company Name:	METRO NEW YORK DDSO
Contact Type:	Not reported
Contact Name:	STATIONARY ENGNEERING
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 807-4823
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	5/11/2011

Site Id:	21329
Affiliation Type:	Emergency Contact
Company Name:	NYS OMRDD
Contact Type:	Not reported
Contact Name:	SAFETY & SECURITY DEPARTMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 229-3028
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	11/16/2009

MANHATTAN DEVELOPMENTAL CENTER (Continued) **U003395183**

Tank Info:

Tank Number:	001
Tank Id:	38668

Equipment Records:

E00 - Piping Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
G03 - Tank Secondary Containment - Vault (w/o access)
H99 - Tank Leak Detection - Other
K00 - Spill Prevention - None
B00 - Tank External Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1968
Capacity Gallons:	8000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	05/11/2011

Tank Number:	002
Tank Id:	38669

Equipment Records:

E00 - Piping Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
G03 - Tank Secondary Containment - Vault (w/o access)
H99 - Tank Leak Detection - Other
K00 - Spill Prevention - None
B00 - Tank External Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1968
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

MANHATTAN DEVELOPMENTAL CENTER (Continued) **U003395183**

Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	05/11/2011

Tank Number:	003
Tank Id:	239249

Equipment Records:

I03 - Overfill - Automatic Shut-Off
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
H99 - Tank Leak Detection - Other
K00 - Spill Prevention - None
B00 - Tank External Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1968
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	05/11/2011

HIST AST:

PBS Number:	2-479195
SWIS Code:	6201
Operator:	STATIONARY ENGNEERING DEPARTMT
Facility Phone:	(212) 807-4823
Facility Addr2:	Not reported
Facility Type:	OTHER
Emergency:	SAFETY & SECURITY DEPARTMENT
Emergency Tel:	(212) 807-4814
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NYS OMRDD
Owner Address:	44 HOLLAND AVENUE
Owner City,St,Zip:	ALBANY, NY 12229
Federal ID:	Not reported
Owner Tel:	(518) 474-0371
Owner Type:	State Government
Owner Subtype:	17
Mailing Contact:	Not reported

MANHATTAN DEVELOPMENTAL CENTER (Continued) **U003395183**

Mailing Name:	NYS OMRDD
Mailing Address:	44 HOLLAND AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ALBANY, NY 12229
Mailing Telephone:	(518) 474-0371
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	05/30/2000
Expiration:	01/10/2005
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	9500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	8000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	None
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	09
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	002
Tank Location:	ABOVEGROUND
Tank Status:	In Service

MANHATTAN DEVELOPMENTAL CENTER (Continued) **U003395183**

Install Date:	19681201
Capacity (Gal):	1500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	None
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	09
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

L94
ENE
1/8-1/4
0.146 mi.
772 ft.

NYS OFFICE OF MENTAL RETARDATION & DEVELOPMENTAL DISABILITIE **PA MANIFEST** **S111430938**
75 MORTON STREET **N/A**
NEW YORK, NY 10014

Site 4 of 7 in cluster L

Relative:
Higher

Actual:
15 ft.

PA MANIFEST:

Year:	2009
Manifest Number:	000845425JJK
Manifest Type:	T
Generator EPA Id:	NYR000162966
Generator Date:	02/25/2009
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	212-229-3103
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	1
Container Type:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	192
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

NYS OFFICE OF MENTAL RETARDATION & DEVELOPMENTAL DISABILITIE (Continued) **S111430938**

Year:	2009
Manifest Number:	000845425JJK
Manifest Type:	T
Generator EPA Id:	NYR000162966
Generator Date:	02/25/2009
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	212-229-3103
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D002
Container Number:	1
Container Type:	Fiber or plastic boxes, cartons, cases
Waste Quantity:	192
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

L95 **METRO NYS DDSO TTF** **NY LTANKS** **S110490756**
ENE **75 MORTON ST** **N/A**
1/8-1/4 **MANHATTAN, NY**
0.146 mi.
773 ft. **Site 5 of 7 in cluster L**

Relative:
Higher

Actual:
15 ft.

LTANKS:

Site ID:	438139
Spill No:	1004849
Spill Date:	7/29/2010
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	1/26/2012
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	7/29/2010
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	7/29/2010
Spill Record Last Update:	1/26/2012

METRO NYS DDSO TTF (Continued) **S110490756**

Spiller Name:	Not reported
Spiller Company:	METRO NY DDSO
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	CALVIN MORGAN
Spiller Phone:	(718) 530-5061
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	393114
DEC Memo:	Sangesland spoke to Calvin Morgan at State Facility. He said All County Plumbing did repair work to the 8,000 gal tank (manway gasket & fill line). He says the tank was retested and passed. He will gather the records and forward an information package via e-mail to close out the case.1/26/2012 Mr. Morgan forwarded a document package that confirms repairs were made and the tank was retested. No contamination was found. Spill Closed.
Remarks:	8000gal agt tank 001

Material:

Site ID:	438139
Operable Unit ID:	1188801
Operable Unit:	01
Material ID:	2183735
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

K96 **422 HUDSON ST** **NY LTANKS** **S102149525**
East **422 HUDSON ST** **NY HIST LTANKS** **N/A**
1/8-1/4 **MANHATTAN, NY** **NY Spills**
0.150 mi. **NY Hist Spills**
792 ft. **Site 5 of 8 in cluster K**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	200418
Spill No:	9510397
Spill Date:	11/17/1995
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/20/1995
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	11/17/1995
CID:	357
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/17/1995
Spill Record Last Update:	11/29/1995
Spiller Name:	PETER BULLA
Spiller Company:	PETRO COMMANDER
Spiller Address:	36-19 19TH AV
Spiller City,St,Zip:	ASTORIA, NY
Spiller County:	001
Spiller Contact:	NONE
Spiller Phone:	(212) 929-0777
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	166779
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"
Remarks:	TANK OVERFILL TO CONCRETE FLOOR

Material:

Site ID:	200418
Operable Unit ID:	1020926
Operable Unit:	01
Material ID:	361320
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

422 HUDSON ST (Continued) **S102149525**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	200419
Spill No:	9512051
Spill Date:	12/24/1995
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	4/29/2004
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	12/24/1995
CID:	312
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/24/1995
Spill Record Last Update:	4/29/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	JANET YOUNG
Spiller Phone:	(212) 929-0777
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	166779
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"04/29/2004: Closed by Rashid Ahmed.
Remarks:	DRIVER OVERFILLED TANK SPILLING 1/2 GALLON - CLEANED UP

Material:

Site ID:	200419
Operable Unit ID:	1022730
Operable Unit:	01
Material ID:	359371

422 HUDSON ST (Continued) **S102149525**

Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9512051
Spill Date:	12/24/1995
Spill Time:	08:50
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	ZHITOMIRSKY
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/24/95
Reported to Department Time:	09:44
SWIS:	62
Spiller Contact:	JANET YOUNG
Spiller Phone:	(212) 929-0777
Spiller Extention:	Not reported
Spiller Name:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /

422 HUDSON ST (Continued) **S102149525**

Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 12/24/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 02/01/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 1
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: DRIVER OVERFILLED TANK SPILLING 1/2 GALLON - CLEANED UP

Region of Spill: 2
Spill Number: 9510397
Spill Date: 11/17/1995
Spill Time: 18:45
Spill Cause: Tank Overfill
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/20/95
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: MULQUEEN
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported

422 HUDSON ST (Continued) **S102149525**

Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 11/17/95
Reported to Department Time: 19:58
SWIS: 62
Spiller Contact: NONE
Spiller Phone: (212) 929-0777
Spiller Extention: Not reported
Spiller Name: PETRO COMMANDER
Spiller Address: 36-19 19TH AV
Spiller City,St,Zip: AUSTORIA, NY
Spiller Cleanup Date: / /
Facility Contact: PETER BULLA
Facility Phone: (718) 545-4500
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/17/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 11/29/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 1
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: TANK OVERFILL TO CONCRETE FLOOR

SPILLS:
Facility ID: 9414653

422 HUDSON ST (Continued) **S102149525**

DER Facility ID:	67464
Facility Type:	ER
Site ID:	71258
DEC Region:	2
Spill Number:	9414653
Spill Date:	2/7/1995
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	2/7/1995
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	2/7/1995
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Affected Persons
Cleanup Ceased:	2/7/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/10/1995
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	RESIDENT
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	LEAKING OUT OF TOP TANK, IN BASEMENT SPILL CONTAINED AND CLEANED.

Material:

Site ID:	71258
Operable Unit ID:	1008211
Operable Unit:	01
Material ID:	373388
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	6
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported

422 HUDSON ST (Continued) **S102149525**

Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

NY Hist Spills:
Region of Spill: 2
Spill Number: 9414653
Investigator: MARTINKAT
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 02/07/1995 12:30
Reported to Dept Date/Time: 02/07/95 12:40
SWIS: 62
Spiller Name: RESIDENT
Spiller Contact: Not reported
Spiller Phone: (212) 929-0777
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 09
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: 02/07/95
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 02/07/95
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/10/95
Date Spill Entered In Computer Data File: Not reported
Update Date: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

422 HUDSON ST (Continued) **S102149525**

Material:

Material Class Type:	Petroleum
Quantity Spilled:	6
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	Not reported
Remark:	LEAKING OUT OF TOP TANK, IN BASEMENT SPILL CONTAINED AND CLEANED.

K97 **R S ROSENBAUM & CO INC** **CT MANIFEST** **S109781482**
ENE **435 HUDSON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.152 mi.
800 ft. **Site 6 of 8 in cluster K**

Relative:
Higher

Actual:
15 ft.

CT MANIFEST:

Waste:

Manifest No:	MI4562763
Waste Occurence:	1
UNNA:	1993
Hazard Class:	3
US Dot Description:	FLAMMABLE LIQUID N.O.S.
No of Containers:	003
Container Type:	DM
Quantity:	140
Weight/Volume:	G
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	MI4562763
Waste Occurence:	1
EPA Waste Code:	D001
Recycled Waste?:	F
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Detail:

Year:	1996
Manifest ID:	MI4562763
TSDF EPA ID:	MID980615298
TSDF Name:	PETROCHEM PROCESSING, INC.
TSDF Address:	421 LYCASTLE
TSDF City,St,Zip:	DETROIT, MI 48214
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	12/4/1996
Transporter EPA ID:	NJD986607380

R S ROSENBAUM & CO INC (Continued) **S109781482**

Transporter Name:	MAUMEE EXPRESS INC
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	Not reported
Trans 2 EPA ID:	MID980684088
Trans 2 Name:	SOLVENT DISTILLERS DIV
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NY0000195610
Generator Phone:	2122298656
Generator Mailing Addr:	435 HUDSON ST
Generator Mailing Town:	NEW YORK
Generator Mailing State:	NY
Generator Mailing Zip:	10014
Generator Mailing Country:	USA
Special Handling:	Not reported
Discrepancies:	Not reported
Date Shipped:	12/4/1996
Date Received:	Not reported
Last modified date:	4/26/2004
Last modified by:	IG
Comments:	Not reported

K98 **435 HUDSON STREET** **NY AST** **U003391210**
ENE **435 HUDSON STREET** **NY HIST AST** **N/A**
1/8-1/4 **NY, NY 10014**
0.152 mi.
800 ft. **Site 7 of 8 in cluster K**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-335347
Program Type:	PBS
UTM X:	583900.18394000002
UTM Y:	4509333.94331
Expiration Date:	2017/11/16

Affiliation Records:

Site Id:	15988
Affiliation Type:	Owner
Company Name:	R. C. W. & V. OF TRINITY CHURCH IN NY
Contact Type:	ASST VP
Contact Name:	PETRER A. ST JOHN
Address1:	74 TRINITY PLACE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 602-0854
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported

435 HUDSON STREET (Continued) **U003391210**

Modified By:	MSBAPTIS
Date Last Modified:	12/20/2012

Site Id:	15988
Affiliation Type:	Mail Contact
Company Name:	R. C. W. & V. OF TRINITY CHURCH IN NY
Contact Type:	Not reported
Contact Name:	PETRER A. ST JOHN
Address1:	75 VARICK ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 613-9421
Phone Ext:	Not reported
Email:	PSTJOHN@TRINITYWALLSTREET.ORG
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	12/20/2012

Site Id:	15988
Affiliation Type:	On-Site Operator
Company Name:	435 HUDSON STREET
Contact Type:	Not reported
Contact Name:	DINO CELIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 242-7165
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	15988
Affiliation Type:	Emergency Contact
Company Name:	R. C. W. & V. OF TRINITY CHURCH IN NY
Contact Type:	Not reported
Contact Name:	DINO CELIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 242-7165
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

435 HUDSON STREET (Continued) **U003391210**

Tank Info:

Tank Number:	001
Tank Id:	20959

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/01/1989
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	09/24/2007

HIST AST:

PBS Number:	2-335347
SWIS Code:	6201
Operator:	DINO CELIC
Facility Phone:	(212) 242-7165
Facility Addr2:	435 HUDSON STREET
Facility Type:	Not reported
Emergency:	DINO CELIC
Emergency Tel:	(212) 242-7165
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	R. C. W. & V. OF TRINITY CHURCH IN NY
Owner Address:	74 TRINITY PLACE
Owner City,St,Zip:	NEW YORK, NY 10006
Federal ID:	Not reported
Owner Tel:	(212) 602-0854
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	R. C. W. & V. OF TRINITY CHURCH IN NY
Mailing Address:	74 TRINITY PLACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10006
Mailing Telephone:	(212) 602-0854
Owner Mark:	First Owner

435 HUDSON STREET (Continued) **U003391210**

Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/07/1997
Expiration:	11/16/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	10000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	10000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

K99 **R S ROSENBAUM & CO INC** **RCRA-CESQG** **1000889924**
ENE **435 HUDSON ST** **FINDS** **NY0000195610**
1/8-1/4 **NEW YORK, NY 10014** **NY MANIFEST**
0.152 mi. **US AIRS**
800 ft. **Site 8 of 8 in cluster K**

Relative:
Higher

Actual:
15 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	R S ROSENBAUM & CO INC
Facility address:	435 HUDSON ST NEW YORK, NY 10014

R S ROSENBAUM & CO INC (Continued) **1000889924**

EPA ID:	NY0000195610
Mailing address:	HUDSON ST NEW YORK, NY 10014
Contact:	WILLIAM CAGGIANO
Contact address:	HUDSON ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 229-8656
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0827
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0827
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

R S ROSENBAUM & CO INC (Continued) **1000889924**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: R S ROSENBAUM & CO INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/05/1994
Facility name: R S ROSENBAUM & CO INC
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110001607173

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:
EPA ID: NY0000195610
Country: USA
Mailing Name: RS ROSENBAUM & CO INC
Mailing Contact: C TRIGO
Mailing Address: 435 HUDSON ST
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY

R S ROSENBAUM & CO INC (Continued) **1000889924**

Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-229-8656

Document ID:	SCA0711010
Manifest Status:	Not reported
Trans1 State ID:	NJD986607380
Trans2 State ID:	Not reported
Generator Ship Date:	07/11/2001
Trans1 Recv Date:	07/11/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/18/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000195610
Trans1 EPA ID:	SCD036275626
Trans2 EPA ID:	Not reported
TSDF ID:	NYNJ334
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01374
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

Document ID:	SCA0107000
Manifest Status:	Not reported
Trans1 State ID:	NJD986607380
Trans2 State ID:	Not reported
Generator Ship Date:	01/07/2000
Trans1 Recv Date:	01/07/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/12/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000195610
Trans1 EPA ID:	SCD036275626
Trans2 EPA ID:	Not reported
TSDF ID:	NY334
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01166
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Document ID:	MIA4562763
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYJA334

R S ROSENBAUM & CO INC (Continued) **1000889924**

Trans2 State ID:	Not reported
Generator Ship Date:	961204
Trans1 Recv Date:	961204
Trans2 Recv Date:	961209
TSD Site Recv Date:	961209
Part A Recv Date:	961224
Part B Recv Date:	970303
Generator EPA ID:	NY0000195610
Trans1 EPA ID:	NJD986607380
Trans2 EPA ID:	MID980684088
TSDF ID:	MID980615298
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00140
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	SCA0816020
Manifest Status:	Not reported
Trans1 State ID:	NJD986607380
Trans2 State ID:	Not reported
Generator Ship Date:	08/01/2002
Trans1 Recv Date:	08/01/2002
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/06/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000195610
Trans1 EPA ID:	SCD036275626
Trans2 EPA ID:	Not reported
TSDF ID:	NYJA334
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01791
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	MIA4562775
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYJA334
Trans2 State ID:	Not reported
Generator Ship Date:	970410
Trans1 Recv Date:	970410
Trans2 Recv Date:	970416
TSD Site Recv Date:	970416
Part A Recv Date:	Not reported
Part B Recv Date:	970529
Generator EPA ID:	NY0000195610
Trans1 EPA ID:	NJD986607380

R S ROSENBAUM & CO INC (Continued) **1000889924**

Trans2 EPA ID:	MID980684088
TSDF ID:	MID980615298
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

Document ID:	NYB5701104
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	JA125
Trans2 State ID:	Not reported
Generator Ship Date:	940518
Trans1 Recv Date:	940518
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	940526
Part A Recv Date:	Not reported
Part B Recv Date:	940615
Generator EPA ID:	NY0000195610
Trans1 EPA ID:	NJD047318043
Trans2 EPA ID:	Not reported
TSDF ID:	OHD066060609
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	94

Document ID:	MIA4531142
Manifest Status:	Not reported
Trans1 State ID:	NJD986607380
Trans2 State ID:	MID980684088
Generator Ship Date:	02/26/1998
Trans1 Recv Date:	02/26/1998
Trans2 Recv Date:	03/13/1998
TSD Site Recv Date:	03/13/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000195610
Trans1 EPA ID:	MID980615298
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00140
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

R S ROSENBAUM & CO INC (Continued) **1000889924**

Year: 98

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID:	110001607119
Plant name:	R S ROSENBAUM & CO INC
Plant address:	435 HUDSON STREET NEW YORK, NY 10014
County:	NEW YORK
Region code:	02
Dunn & Bradst #:	Not reported
Air quality cntrl region:	043
Sic code:	2752
Sic code desc:	COMMERCIAL PRINTING, LITHOGRAPHIC
North Am. industrial classf:	Not reported
NAIC code description:	Not reported
Default compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification:	POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF THE SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS.
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Historical Compliance Minor Sources:

State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	0904
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1001
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1002
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1003
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1004
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1101
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1102
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1103

R S ROSENBAUM & CO INC (Continued) **1000889924**

Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: 0

M100 **NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL(NEWSEEK INC)** **NY MANIFEST** **S109584718**
ESE **395 HUDSON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.153 mi.
806 ft. **Site 1 of 6 in cluster M**

Relative:
Higher

Actual:
14 ft.

NY MANIFEST:

EPA ID:	NYD980761217
Country:	USA
Mailing Name:	NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL(NEWSEEK INC)
Mailing Contact:	JEFFREY SHERIDAN
Mailing Address:	395 HUDSON ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-366-1365

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NY0000148163
Trans2 State ID:	Not reported
Generator Ship Date:	2009-02-19
Trans1 Recv Date:	2009-02-19
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-02-19
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980761217
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	500.0
Units:	P - Pounds
Number of Containers:	4.0

NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL(NEWSEEK INC) (Continued) **S109584718**

Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000282769FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NY0000148163
Trans2 State ID:	Not reported
Generator Ship Date:	2009-02-19
Trans1 Recv Date:	2009-02-19
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-02-19
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980761217
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	500.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000282769FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NY0000148163

NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL(NEWSEEK INC) (Continued) **S109584718**

Trans2 State ID:	Not reported
Generator Ship Date:	2009-02-19
Trans1 Recv Date:	2009-02-19
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-02-19
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980761217
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	500.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000282769FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NY0000148163
Trans2 State ID:	Not reported
Generator Ship Date:	2009-02-19
Trans1 Recv Date:	2009-02-19
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-02-19
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980761217
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	Not reported
Quantity:	500.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000282769FLE
Import Ind:	N

NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL(NEWSEEK INC) (Continued) **S109584718**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

M101
ESE
1/8-1/4
0.153 mi.
806 ft.

NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL **RCRA-CESQG** **1000136858**
395 HUDSON ST **NYD980761217**
NEW YORK, NY 10014

Site 2 of 6 in cluster M

Relative:
Higher

Actual:
14 ft.

RCRA-CESQG:

Date form received by agency:	01/15/2009
Facility name:	NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL
Facility address:	395 HUDSON ST NEW YORK, NY 10014
EPA ID:	NYD980761217
Mailing address:	HUDSON ST NEW YORK, NY 10014
Contact:	DUANE BASILE
Contact address:	HUDSON ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 366-1365
Contact email:	DBASILE395HUD@AOL.COM
EPA Region:	02
Land type:	Private
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYC DISTRICT COUNCIL OF CARPENTERS P F
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner

NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL (Continued) **1000136858**

Owner/Op start date: 01/01/1987
Owner/Op end date: Not reported

Owner/operator name: CUSHMAN & WAKEFIELD AS AGENT
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 02/01/1997
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2007
Facility name: NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL
Site name: NEW YORK TELEPHONE CO
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Facility name: NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL
Site name: NEW YORK TELEPHONE CO
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL
Site name: NEW YORK TELEPHONE CO
Classification: Not a generator, verified

Date form received by agency: 09/15/1983
Facility name: NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL
Site name: NEW YORK TELEPHONE CO
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Violation Status: No violations found

NYC DISTRICT OF CARPENTERS PENSION FUND COUNCIL (Continued) **1000136858**

Evaluation Action Summary:

Evaluation date:	01/26/1984
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

M102
ESE
1/8-1/4
0.153 mi.
806 ft.

LUCENT TECHNOLOGIES INC
395 HUDSON ST
NEW YORK, NY 10014

RCRA NonGen / NLR **1001818097**
FINDS **NYD068209410**

Site 3 of 6 in cluster M

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	LUCENT TECHNOLOGIES INC
Facility address:	395 HUDSON ST NEW YORK, NY 10014
EPA ID:	NYD068209410
Mailing address:	SOUTH ST ROOM 2S076 MORRISTOWN, NY 079621976
Contact:	Not reported
Contact address:	SOUTH ST ROOM 2S076 MORRISTOWN, NY 079621976
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	LUCENT TECHNOLOGIES INC
Owner/operator address:	600 MOUNTAIN AVE PO BOX 636 MURRAY HILL, NJ 07974
Owner/operator country:	US
Owner/operator telephone:	(908) 582-3000
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	LUCENT TECHNOLOGIES INC
Owner/operator address:	600 MOUNTAIN AVE PO BOX 636 MURRAY HILL, NJ 07974
Owner/operator country:	US
Owner/operator telephone:	(908) 582-3000
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

LUCENT TECHNOLOGIES INC (Continued) **1001818097**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: LUCENT TECHNOLOGIES INC
Classification: Not a generator, verified

Date form received by agency: 06/28/1999
Facility name: LUCENT TECHNOLOGIES INC
Classification: Not a generator, verified

Date form received by agency: 12/11/1997
Facility name: LUCENT TECHNOLOGIES INC
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110009242685

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

J103 **ARCHIVE** **NY AST** **U003392033**
NNE **641 WASHINGTON ST** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.155 mi.
818 ft. **Site 5 of 5 in cluster J**

Relative:
Higher

Actual:
12 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-406600
Program Type: PBS
UTM X: 583753.01454999996
UTM Y: 4509524.6740800003
Expiration Date: 2012/12/14

Affiliation Records:
Site Id: 19648

ARCHIVE (Continued) **U003392033**

Affiliation Type:	Owner
Company Name:	ARCHIVE COMMERCIAL PARTNERSHIP
Contact Type:	SR PROP MGR
Contact Name:	J FLANAGAN
Address1:	290 PARK AVENUE SOUTH
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10010
Country Code:	001
Phone:	(212) 375-1155
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	11/2/2007

Site Id:	19648
Affiliation Type:	Mail Contact
Company Name:	ROCKROSE DEVELOPMENT CORP
Contact Type:	Not reported
Contact Name:	JOSEPH FLANAGAN
Address1:	290 PARK AVENUE SOUTH
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10010
Country Code:	001
Phone:	(212) 375-1155
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	11/2/2007

Site Id:	19648
Affiliation Type:	On-Site Operator
Company Name:	ARCHIVE
Contact Type:	Not reported
Contact Name:	GEORGE WAGNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 633-2806
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19648
Affiliation Type:	Emergency Contact
Company Name:	ARCHIVE COMMERCIAL PARTNERSHIP
Contact Type:	Not reported

ARCHIVE (Continued) **U003392033**

Contact Name:	GEORGE WAGNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 633-2806
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	23150

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H99 - Tank Leak Detection - Other
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Temporarily Out of Service
Pipe Model:	Not reported
Install Date:	01/10/1988
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	msbaptis
Last Modified:	11/02/2007

Tank Number:	002
Tank Id:	23151

Equipment Records:

H99 - Tank Leak Detection - Other
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G03 - Tank Secondary Containment - Vault (w/o access)

ARCHIVE (Continued) **U003392033**

	I00 - Overfill - None
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Temporarily Out of Service
Pipe Model:	Not reported
Install Date:	01/10/1988
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	msbaptis
Last Modified:	11/02/2007

HIST AST:

PBS Number:	2-406600
SWIS Code:	6201
Operator:	GEORGE WAGNER
Facility Phone:	(212) 633-2806
Facility Addr2:	641 WASHINGTON ST
Facility Type:	APARTMENT BUILDING
Emergency:	GEORGE WAGNER
Emergency Tel:	(212) 633-2806
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	ARCHIVE COMMERCIAL PARTNERSHIP
Owner Address:	309 EAST 45TH STREET
Owner City,St,Zip:	NEW YORK, NY 10017
Federal ID:	Not reported
Owner Tel:	(212) 697-4422
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	ARCHIVE COMMERCIAL PARTNERSHIP
Mailing Address:	309 EAST 45TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10017
Mailing Telephone:	(212) 697-4422
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	11/06/1997
Expiration:	12/14/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	20000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported

ARCHIVE (Continued) **U003392033**

Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	Temporarily Out Of Service
Install Date:	Not reported
Capacity (Gal):	10000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	9
Overfill Protection:	Not reported
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	002
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	Temporarily Out Of Service
Install Date:	Not reported
Capacity (Gal):	10000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	9
Overfill Protection:	Not reported
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False

ARCHIVE (Continued) **U003392033**

SPDES Number: Not reported
Lat/Long: Not reported

L104 ENE 1/8-1/4 0.159 mi. 841 ft. | **TIMOTHY DUFFY CO** | **RCRA NonGen / NLR** | **1001197522**
447 HUDSON ST | **FINDS** | **NYR000040865**
NEW YORK, NY 10014

Site 6 of 7 in cluster L

Relative: Higher

Actual: 15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	TIMOTHY DUFFY CO
Facility address:	447 HUDSON ST NEW YORK, NY 100143730
EPA ID:	NYR000040865
Mailing address:	HUDSON ST NEW YORK, NY 100143730
Contact:	JAMES DUFFY
Contact address:	HUDSON ST NEW YORK, NY 100143730
Contact country:	US
Contact telephone:	(212) 924-3877
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TIMOTY DUFFY CO
Owner/operator address:	447 HUDSON ST NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 924-3877
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	TIMOTY DUFFY CO
Owner/operator address:	447 HUDSON ST NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 924-3877
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

TIMOTHY DUFFY CO (Continued) **1001197522**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: TIMOTHY DUFFY CO
Classification: Not a generator, verified

Date form received by agency: 06/09/1997
Facility name: TIMOTHY DUFFY CO
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004535101

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

M105 **CON ED - V 4355** **RCRA NonGen / NLR** **1007206192**
ESE **366 HUDSON ST** **NY MANIFEST** **NYP004005336**
1/8-1/4 **NEW YORK, NY 10014**
0.166 mi.
875 ft. **Site 4 of 6 in cluster M**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:
Date form received by agency: 02/28/1998
Facility name: CON ED - V 4355
Facility address: 366 HUDSON ST
NEW YORK, NY 100140000
EPA ID: NYP004005336
Mailing address: CONSOLIDATED EDISON INC
4 IRVING PL RM 300
NEW YORK, NY 100030000
Contact: ANTHONY DRUMMINGS
Contact address: CONSOLIDATED EDISON INC
NEW YORK, NY 100030000
Contact country: US
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

CON ED - V 4355 (Continued) **1007206192**

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	02/27/1998
Facility name:	CON ED - V 4355
Classification:	Not a generator, verified
Date form received by agency:	02/26/1998
Facility name:	CON ED - V 4355
Classification:	Large Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004005336
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808
Document ID:	NYG0123282
Manifest Status:	Completed copy
Trans1 State ID:	20854AD
Trans2 State ID:	Not reported
Generator Ship Date:	970225
Trans1 Recv Date:	970225
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970228
Part A Recv Date:	970310
Part B Recv Date:	970311
Generator EPA ID:	NYP004005336
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636

CON ED - V 4355 (Continued) **1007206192**

Waste Code:	B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity:	01336
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

N106 **CHRISTOPHER STREET OWNERS CORP** **NY UST** **U001832626**
NNE **165 CHRISTOPHER STREET** **NY HIST UST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.166 mi.
877 ft. **Site 1 of 6 in cluster N**

Relative:
Higher

Actual:
12 ft.

UST:

Facility Id:	2-111961
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2017/05/07
UTM X:	583741.30683000002
UTM Y:	4509566.7288800003

Affiliation Records:

Site Id:	3517
Affiliation Type:	Owner
Company Name:	CHRISTOPHERS OWNERS CORP
Contact Type:	MANAGING AGENT
Contact Name:	LISETTE MAIQUES
Address1:	165 CHRISTOPHER STREET
Address2:	Not reported
City:	ENW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 634-8900
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/2/2012

Site Id:	3517
Affiliation Type:	Mail Contact
Company Name:	C/O CHRISTOPHERS OWNERS CORP
Contact Type:	Not reported
Contact Name:	COOPER SQ.
Address1:	622 THIRD AVE
Address2:	14TH FLR
City:	ENW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 634-8900
Phone Ext:	Not reported
Email:	LISETTE.MAIQUES@COOPERSQUARE.COM

CHRISTOPHER STREET OWNERS CORP (Continued) **U001832626**

Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/2/2012

Site Id:	3517
Affiliation Type:	On-Site Operator
Company Name:	CHRISTOPHER STREET OWNERS CORP
Contact Type:	Not reported
Contact Name:	FERNANDO RIOS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(347) 737-5804
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/2/2012

Site Id:	3517
Affiliation Type:	Emergency Contact
Company Name:	CHRISTOPHERS OWNERS CORP
Contact Type:	Not reported
Contact Name:	COOPER SQ.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 634-8900
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/2/2012

Tank Info:

Site ID:	3517

Tank Number:	001
Tank ID:	4979
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping

CHRISTOPHER STREET OWNERS CORP (Continued) **U001832626**

F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Install Date:	06/01/1963
Capacity Gallons:	12000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST UST:

PBS Number:	2-111961
SPDES Number:	Not reported
Emergency Contact:	JAL MGMT
Emergency Telephone:	(718) 745-3500
Operator:	FERNANDO RIOS
Operator Telephone:	(212) 243-5256
Owner Name:	CHRISTOPHERS OWNERS CORP
Owner Address:	165 CHRISTOPHER STREET
Owner City,St,Zip:	ENW YORK, NY 10014
Owner Telephone:	(718) 745-3500
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	C/O CHRISTOPHERS OWNERS CORP
Mailing Address:	9437-SHORE ROAD
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11209
Mailing Contact:	JAL MGMT
Mailing Telephone:	(718) 745-3500
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	165 CHRISTOPHER STREET
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	05/27/1997
Expiration Date:	05/07/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	12000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False

CHRISTOPHER STREET OWNERS CORP (Continued) **U001832626**

CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19630601
Capacity (gals):	12000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

M107 **EDR US Hist Auto Stat** **1015352896**
ESE **24 CLARKSON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.167 mi.
884 ft. **Site 5 of 6 in cluster M**

Relative:
Higher

Actual:
15 ft.

EDR Historical Auto Stations:

Name:	AUTO CLUB ROAD RESCUE
Year:	2010
Address:	24 CLARKSON ST

O108 **EDR US Hist Cleaners** **1014990352**
SE **137 KING ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.168 mi.
885 ft. **Site 1 of 13 in cluster O**

Relative:
Higher

Actual:
13 ft.

EDR Historical Cleaners:

Name:	MR WASH OF KINGS HWY
Year:	2011
Address:	137 KING ST

L109 ENE 1/8-1/4 0.168 mi. 887 ft.

65 MORTON STREET
65 MORTON STREET
NEW YORK, NY 10014

Site 7 of 7 in cluster L

NY AST **U003396836**
NY HIST AST **N/A**

Relative: Higher

Actual: 15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-602804
Program Type:	PBS
UTM X:	583930.26246999996
UTM Y:	4509377.6921899999
Expiration Date:	2016/10/24

Affiliation Records:

Site Id:	24760
Affiliation Type:	Owner
Company Name:	MORTON-BARROW OWNERS CORPORATION
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	12 DESBROSSES ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(718) 796-5022
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/21/2011

Site Id:	24760
Affiliation Type:	Mail Contact
Company Name:	MACK EDGE MANAGEMENT LLC
Contact Type:	Not reported
Contact Name:	MORTON-BARROW OWNERS CORPORATION
Address1:	12 DESBROSSES STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 366-1968
Phone Ext:	Not reported
Email:	SORAYA@MACKEDGE.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/21/2011

Site Id:	24760
Affiliation Type:	On-Site Operator
Company Name:	65 MORTON ST
Contact Type:	Not reported
Contact Name:	JOE OGARA
Address1:	Not reported
Address2:	Not reported

65 MORTON STREET (Continued) **U003396836**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 691-9789
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/21/2011

Site Id:	24760
Affiliation Type:	Emergency Contact
Company Name:	MORTON-BARROW OWNERS CORPORATION
Contact Type:	Not reported
Contact Name:	SORAYA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 445-5376
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/21/2011

Tank Info:

Tank Number:	01
Tank Id:	51683

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
I00 - Overfill - None

Tank Location:	3
Tank Type:	Stainless Steel Alloy
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/01/1989
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported

65 MORTON STREET (Continued) **U003396836**

Register:	True
Modified By:	NRLOMBAR
Last Modified:	12/21/2011

HIST AST:

PBS Number:	2-602804
SWIS Code:	6201
Operator:	JUAN DALAMASI
Facility Phone:	(212) 691-9789
Facility Addr2:	Not reported
Facility Type:	Not reported
Emergency:	ADRIANA LOPEZ
Emergency Tel:	(212) 807-7700
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MOTON - BARROW OWNERS CORPORATION
Owner Address:	224 WEST 4TH STREET
Owner City,St,Zip:	NEW YORK, NY 10014
Federal ID:	Not reported
Owner Tel:	(212) 807-7700
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	MORTON BARROW OWNERS CORP
Mailing Name:	JUSTIS PROPERTIES
Mailing Address:	224 WEST 4TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10014
Mailing Telephone:	(212) 807-7700
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	11/16/2001
Expiration:	10/24/2006
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	01
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL

65 MORTON STREET (Continued) **U003396836**

Tank Type:	Stainless steel alloy
Tank Internal:	0
Tank External:	00
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	00
Dispenser Method:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

O110 **TISHMAN SPEYER PROPERTIES** **RCRA NonGen / NLR** **1004757306**
SE **375 HUDSON ST** **FINDS** **NYD986927408**
1/8-1/4 **NEW YORK, NY 10014**
0.177 mi.
933 ft. **Site 2 of 13 in cluster O**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	TISHMAN SPEYER PROPERTIES
Facility address:	375 HUDSON ST NEW YORK, NY 10014
EPA ID:	NYD986927408
Mailing address:	HUDSON ST NEW YORK, NY 10014
Contact:	JOHN DAMIANO
Contact address:	HUDSON ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 337-3151
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TISHMAN SPEYER PROPERTIES
Owner/operator address:	520 MADISON AVE NEW YORK, NY 10022
Owner/operator country:	US
Owner/operator telephone:	(212) 715-0300
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	TISHMAN SPEYER PROPERTIES

TISHMAN SPEYER PROPERTIES (Continued) **1004757306**

Owner/operator address: 520 MADISON AVE
NEW YORK, NY 10022
Owner/operator country: US
Owner/operator telephone: (212) 715-0300
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: TISHMAN SPEYER PROPERTIES
Classification: Not a generator, verified

Date form received by agency: 11/07/1994
Facility name: TISHMAN SPEYER PROPERTIES
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004454171

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O111 SE 1/8-1/4 0.177 mi. 933 ft. | **SAACYTHIC AND SAACYTHIC**
375 HUDSON ST
NEW YORK, NY | **NY MANIFEST**
NY Spills
NY Hist Spills | **S102239834**
N/A

Site 3 of 13 in cluster O

Relative: Higher

Actual: 15 ft.

NY MANIFEST:

EPA ID:	NYD986927408
Country:	USA
Mailing Name:	TISHMAN SPEYER PRODUCTS
Mailing Contact:	JOHN DAMIANO
Mailing Address:	375 HUDSON STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-337-3150

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	9601324
DER Facility ID:	260083
Facility Type:	ER
Site ID:	322860
DEC Region:	2
Spill Number:	9601324
Spill Date:	4/25/1996
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	5/30/1996
SWIS:	3101
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	4/25/1996
CID:	267
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/25/1996
Spill Record Last Update:	6/27/1996
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, NY
Spiller Company:	999
Contact Name:	LISA EARL
Contact Phone:	Not reported

SAACYTHIC AND SAACYTHIC (Continued) **S102239834**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"
Remarks: sometime last night unknown contractors released 150 lbs of refrigant r22 CALLER FELLS THIS WAS DELIBERATEREQ CALL FROM DEC

Material:
Site ID: 322860
Operable Unit ID: 1032890
Operable Unit: 01
Material ID: 351134
Material Code: 1581A
Material Name: REFRIGERANT
Case No.: Not reported
Material FA: Other
Quantity: 150
Units: Pounds
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

NY Hist Spills:
Region of Spill: 2
Spill Number: 9601324
Investigator: ZHITOMIRSKY
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 04/25/1996 12:00
Reported to Dept Date/Time: 04/25/96 19:35
SWIS: 62
Spiller Name: UNKNOWN
Spiller Contact: UNKNOWN
Spiller Phone: Not reported
Spiller Contact: LISA EARL
Spiller Address: UNKNOWN
Spiller City,St,Zip: UNKNOWN
Spill Cause: Deliberate
Reported to Dept: Air
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Citizen

SAACYTHIC AND SAACYTHIC (Continued) **S102239834**

PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/30/96
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 04/25/96
Date Spill Entered In Computer Data File: Not reported
Update Date: 06/27/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Hazardous Material
Quantity Spilled: 150
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: REFRIGERANT
Class Type: REFRIGERANT
Times Material Entry In File: 1
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: Not reported
Remark: sometime last night unknown contractors released 150 lbs of refrigant r22
CALLER FELLS THIS WAS DELIBERATE REQ CALL FROM DEC

O112 **QUAD GRAPHICS** **RCRA NonGen / NLR** **1001113376**
SE **375 HUDSON ST - NE COR OF** **FINDS** **NYR000023663**
1/8-1/4 **NEW YORK, NY 10014** **NY MANIFEST**
0.177 mi.
936 ft. **Site 4 of 13 in cluster O**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: QUAD GRAPHICS
Facility address: 375 HUDSON ST - NE COR OF
THE FIRST
NEW YORK, NY 100143620
EPA ID: NYR000023663
Mailing address: HUDSON ST - NE COR OF
THE FIRST
NEW YORK, NY 100143620

QUAD GRAPHICS (Continued) **1001113376**

Contact: MICHAEL HORTON
Contact address: HUDSON ST - NE COR OF THE FIRST
NEW YORK, NY 100143620
Contact country: US
Contact telephone: (212) 741-1001
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HARRY QUADRACCI
Owner/operator address: N63 W23075 HWY 74
SUSSEX, WI 53089
Owner/operator country: US
Owner/operator telephone: (414) 246-9200
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HARRY QUADRACCI
Owner/operator address: N63 W23075 HWY 74
SUSSEX, WI 53089
Owner/operator country: US
Owner/operator telephone: (414) 246-9200
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: QUAD GRAPHICS
Classification: Not a generator, verified

Date form received by agency: 05/09/1996
Facility name: QUAD GRAPHICS
Classification: Small Quantity Generator

QUAD GRAPHICS (Continued) **1001113376**

Violation Status: No violations found

FINDS:

Registry ID: 110008094837

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000023663
Country:	USA
Mailing Name:	QUAD GRAPHICS
Mailing Contact:	MICHAEL HORTON
Mailing Address:	375 HUDSON ST NE COR THE 1ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-741-1001

Document ID:	NYB7229052
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	502TTB
Trans2 State ID:	Not reported
Generator Ship Date:	960930
Trans1 Recv Date:	960930
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961008
Part A Recv Date:	Not reported
Part B Recv Date:	961024
Generator EPA ID:	NYR000023663
Trans1 EPA ID:	NJD046555033
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00150
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	030
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NYG0777735
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	AA106Y

QUAD GRAPHICS (Continued) **1001113376**

Trans2 State ID:	Not reported
Generator Ship Date:	971124
Trans1 Recv Date:	971124
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971209
Part A Recv Date:	Not reported
Part B Recv Date:	980106
Generator EPA ID:	NYR000023663
Trans1 EPA ID:	NJD046555033
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	011
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NYB7230438
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	AA106Y
Trans2 State ID:	Not reported
Generator Ship Date:	960820
Trans1 Recv Date:	960820
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960828
Part A Recv Date:	Not reported
Part B Recv Date:	960920
Generator EPA ID:	NYR000023663
Trans1 EPA ID:	NJD046555033
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00060
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NYB7228782
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	AA106Y
Trans2 State ID:	Not reported
Generator Ship Date:	961024
Trans1 Recv Date:	961024
Trans2 Recv Date:	961112
TSD Site Recv Date:	961112
Part A Recv Date:	Not reported
Part B Recv Date:	961205
Generator EPA ID:	NYR000023663
Trans1 EPA ID:	NJD046555033

QUAD GRAPHICS (Continued) **1001113376**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	020
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	96

Document ID:	NYB8044884
Manifest Status:	Completed copy
Trans1 State ID:	AA1064
Trans2 State ID:	Not reported
Generator Ship Date:	970520
Trans1 Recv Date:	970520
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970528
Part A Recv Date:	Not reported
Part B Recv Date:	970609
Generator EPA ID:	NYR000023663
Trans1 EPA ID:	NJD046555033
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00140
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	028
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NYB7489494
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	XZ93OK
Trans2 State ID:	Not reported
Generator Ship Date:	960624
Trans1 Recv Date:	960624
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960709
Part A Recv Date:	Not reported
Part B Recv Date:	960723
Generator EPA ID:	NYR000023663
Trans1 EPA ID:	NJD046555033
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D011 - SILVER 5.0 MG/L TCLP
Quantity:	00060
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

QUAD GRAPHICS (Continued) **1001113376**

Year: 96

Document ID: NYB8019558
Manifest Status: Completed copy
Trans1 State ID: AA106YNJ
Trans2 State ID: Not reported
Generator Ship Date: 970122
Trans1 Recv Date: 970122
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970129
Part A Recv Date: Not reported
Part B Recv Date: 970210
Generator EPA ID: NYR000023663
Trans1 EPA ID: NJD046555033
Trans2 EPA ID: Not reported
TSDF ID: NYD045604964
Waste Code: D011 - SILVER 5.0 MG/L TCLP
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 97

Document ID: NYG0271404
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 970829
Trans1 Recv Date: 970829
Trans2 Recv Date: Not reported
TSD Site Recv Date: 970908
Part A Recv Date: Not reported
Part B Recv Date: 970925
Generator EPA ID: NYR000023663
Trans1 EPA ID: NJD046555033
Trans2 EPA ID: Not reported
TSDF ID: NYD045604964
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00060
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 012
Container Type: CF - Fiber or plastic boxes, cartons
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 97

Document ID: NYB8041698
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: AA1064
Trans2 State ID: Not reported
Generator Ship Date: 970331
Trans1 Recv Date: 970331

QUAD GRAPHICS (Continued) **1001113376**

Trans2 Recv Date:	970415
TSD Site Recv Date:	970415
Part A Recv Date:	Not reported
Part B Recv Date:	970502
Generator EPA ID:	NYR000023663
Trans1 EPA ID:	NJD046555033
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00160
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	032
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NYG0776682
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJAA106Y
Trans2 State ID:	Not reported
Generator Ship Date:	971229
Trans1 Recv Date:	971229
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	980108
Part A Recv Date:	Not reported
Part B Recv Date:	980127
Generator EPA ID:	NYR000023663
Trans1 EPA ID:	NJD046555033
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NYG0837405
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	AA106Y
Trans2 State ID:	Not reported
Generator Ship Date:	971107
Trans1 Recv Date:	971107
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971111
Part A Recv Date:	Not reported
Part B Recv Date:	971211
Generator EPA ID:	NYR000023663
Trans1 EPA ID:	NJD046555033
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES

QUAD GRAPHICS (Continued) **1001113376**

Quantity:	00170
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	034
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NYG0272844
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	AA106Y
Trans2 State ID:	Not reported
Generator Ship Date:	970718
Trans1 Recv Date:	970718
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970805
Part A Recv Date:	Not reported
Part B Recv Date:	970826
Generator EPA ID:	NYR000023663
Trans1 EPA ID:	NJD046555033
Trans2 EPA ID:	Not reported
TSDF ID:	NYD045604964
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	022
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

N113
NNE
1/8-1/4
0.178 mi.
941 ft.

CON EDISON - SERVICE BOX 29913 **RCRA-LQG** **1014395621**
160 CHRISTOPHER ST. **NYP004170866**
NEW YORK, NY 10014

Site 2 of 6 in cluster N

Relative:
Higher

Actual:
15 ft.

RCRA-LQG:

Date form received by agency:	03/23/2010
Facility name:	CON EDISON - SERVICE BOX 29913
Facility address:	160 CHRISTOPHER ST. NEW YORK, NY 10014
EPA ID:	NYP004170866
Mailing address:	4 IRVING PLACE NEW YORK, NY 10003
Contact:	FRANKLYN MURRAY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-2808
Contact email:	MURRAYFR@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the

CON EDISON - SERVICE BOX 29913 (Continued) **1014395621**

cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	4 IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	06/03/2009
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	4 IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/03/2009
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	06/03/2009
Facility name:	CON EDISON - SERVICE BOX 29913
Site name:	CON EDISON
Classification:	Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code:	D008

CON EDISON - SERVICE BOX 29913 (Continued) **1014395621**

Waste name: LEAD

Violation Status: No violations found

N114 NNE 1/8-1/4 0.178 mi. 941 ft. **CONSOLIDATED EDISON 160 CHRISTOPHER ST. NEW YORK, NY 10014** **NY MANIFEST** **S109825310 N/A**

Site 3 of 6 in cluster N

Relative: Higher

Actual: 15 ft.

NY MANIFEST:

EPA ID:	NYP004170866
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	CONSOLIDATED EDISON
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808
Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-03
Trans1 Recv Date:	2009-06-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-03
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004170866
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	2500.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	003532067JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

CONSOLIDATED EDISON (Continued) **S109825310**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-03
Trans1 Recv Date:	2009-06-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-03
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004170866
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	2500.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	003532067JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-03
Trans1 Recv Date:	2009-06-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-03
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004170866
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	2500.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0

CONSOLIDATED EDISON (Continued) **S109825310**

Year:	2009
Manifest Tracking Num:	003532067JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

N115 **UK. CHRISTOPHER ASSOC,C/O SULZ** **NY AST** **U001837735**
NNE **159 CHRISTOPHER STREET** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.180 mi.
950 ft. **Site 4 of 6 in cluster N**

Relative:
Higher

Actual:
14 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-364339
Program Type:	PBS
UTM X:	583771.37075999996
UTM Y:	4509574.3958999999
Expiration Date:	2016/06/02

Affiliation Records:

Site Id:	18462
Affiliation Type:	Mail Contact
Company Name:	FRAK REALTY LLC
Contact Type:	MEMBER
Contact Name:	HENRY MOSES JR.
Address1:	66 MARBLEDALE ROAD
Address2:	Not reported
City:	TUCKAHOE
State:	NY
Zip Code:	10707
Country Code:	001
Phone:	(914) 961-0200
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/12/2006

Site Id:	18462
Affiliation Type:	On-Site Operator
Company Name:	FRAK REALTY LLC
Contact Type:	Not reported
Contact Name:	DANNY RAMIREZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

UK. CHRISTOPHER ASSOC,C/O SULZ (Continued) **U001837735**

Zip Code:	Not reported
Country Code:	001
Phone:	(914) 961-0200
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/12/2006

Site Id:	18462
Affiliation Type:	Emergency Contact
Company Name:	FRAK REALTY LLC
Contact Type:	Not reported
Contact Name:	DANNY RAMIREZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 243-6772
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/12/2006

Site Id:	18462
Affiliation Type:	Owner
Company Name:	FRAK REALTY LLC
Contact Type:	MEMBER
Contact Name:	HENRY MOSES JR.
Address1:	66 MARBLEDALE ROAD
Address2:	Not reported
City:	TUCKAHOE
State:	NY
Zip Code:	10707
Country Code:	001
Phone:	(914) 961-0200
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	9/12/2006

Tank Info:

Tank Number:	001
Tank Id:	22555

Equipment Records:

H04 - Tank Leak Detection - Groundwater Well
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
A01 - Tank Internal Protection - Epoxy Liner
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping

UK. CHRISTOPHER ASSOC,C/O SULZ (Continued) **U001837735**

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	12/01/1962
Capacity Gallons:	1500
Tightness Test Method:	03
Date Test:	12/01/1999
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	03/28/2011

HIST AST:

PBS Number:	2-364339
SWIS Code:	6201
Operator:	DARLENE ROBIN
Facility Phone:	(212) 243-6973
Facility Addr2:	Not reported
Facility Type:	APARTMENT BUILDING
Emergency:	ZEF NICAJ
Emergency Tel:	(212) 879-2168
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	ROYAL CHRISTOPHER PARTNERS,C/O MICHAEL LADIZH CO
Owner Address:	159 CHRISTOPHER STREET
Owner City,St,Zip:	NEW YORK, NY 10014
Federal ID:	Not reported
Owner Tel:	(212) 223-1168
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	ROYAL CHRISTOPHER INC.
Mailing Address:	C/O MICHAEL A LADIZH CO INC
Mailing Address 2:	115 EAST 60TH STREET
Mailing City,St,Zip:	NEW YORK, NY 10022
Mailing Telephone:	(212) 223-1168
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	02/29/2000
Expiration:	10/15/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	1500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data

UK. CHRISTOPHER ASSOC,C/O SULZ (Continued) **U001837735**

Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	1
Tank External:	00
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Epoxy Liner
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	12/01/1999
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

N116 **SAINT VERONICA CHURCH** **NY AST** **A100129013**
NNE **155 CHRISTOPHER ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.182 mi.
961 ft. **Site 5 of 6 in cluster N**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-278440
Program Type:	PBS
UTM X:	583786.52937
UTM Y:	4509578.2308799997
Expiration Date:	2002/09/19

Affiliation Records:

Site Id:	12074
Affiliation Type:	Owner
Company Name:	ST VERONICA CHURCH
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	155 CHRISTOPHER ST

SAINT VERONICA CHURCH (Continued) **A100129013**

Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 924-5628
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	4/17/2007

Site Id:	12074
Affiliation Type:	Mail Contact
Company Name:	ST VERONICA CHURCH
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	155 CHRISTOPHER ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 924-5628
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	4/17/2007

Site Id:	12074
Affiliation Type:	On-Site Operator
Company Name:	SAINT VERONICA CHURCH
Contact Type:	Not reported
Contact Name:	FR. KENNETH J. SMITH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-5628
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	4/17/2007

Site Id:	12074
Affiliation Type:	Emergency Contact
Company Name:	ST VERONICA CHURCH
Contact Type:	Not reported
Contact Name:	FR. KENNETH J. SMITH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

SAINT VERONICA CHURCH (Continued) **A100129013**

Zip Code:	Not reported
Country Code:	999
Phone:	(212) 924-5628
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BKFALVEY
Date Last Modified:	4/17/2007

Tank Info:

Tank Number:	001
Tank Id:	14401

Equipment Records:

H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	1550
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

P117 **HUDSON KIM'S CLEANERS** **RCRA-SQG** **1000384223**
ENE **462 HUDSON ST** **FINDS** **NYD981141948**
1/8-1/4 **NEW YORK, NY 10014** **RI MANIFEST**
0.184 mi. **US AIRS**
971 ft. **Site 1 of 8 in cluster P**

Relative:
Higher

Actual:
17 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	HUDSON DRY CLEANERS INC
Facility address:	462 HUDSON ST NEW YORK, NY 10014
EPA ID:	NYD981141948
Mailing address:	HUDSON ST NEW YORK, NY 10014
Contact:	Not reported
Contact address:	HUDSON ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02

HUDSON KIM'S CLEANERS (Continued) **1000384223**

Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: YOUNG SOOK JEONG
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: YOUNG SOOK JEONG
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: HUDSON DRY CLEANERS INC
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/14/1999
Facility name: HUDSON DRY CLEANERS INC
Classification: Small Quantity Generator

Date form received by agency: 11/22/1985
Facility name: HUDSON DRY CLEANERS INC

HUDSON KIM'S CLEANERS (Continued) **1000384223**

Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110001607468

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

MANIFEST:

GEN Cert Date:	11/22/2010
Transporter Recpt Date:	11/22/2010
Number Of Containers:	2
Container Type:	DM
Waste Code1:	D007
Waste Code2:	D009
Waste Code3:	D039
Comment:	Not reported
Fee Exempt Code:	Not reported
TSDF Name:	SAFETY KLEEN
TSDF ID:	RID084802842
TSDF Date:	12/1/2010
Transporter 2 Name:	12/1/2010
Transporter 2 ID:	NJD071629976
Manifest Docket Number:	001929901SKS
Waste Description:	TOXIC LIQUIDS ORGANIC NOS
Quantity:	110
WT/Vol Units:	P
Item Number:	2
Transporter Name:	SAFETY KLEEN
Transporter EPA ID:	TXR000050930
GEN Cert Date:	11/22/2010
Transporter Recpt Date:	11/22/2010

HUDSON KIM'S CLEANERS (Continued) **1000384223**

Transporter 2 Recpt Date:	12/1/2010
TSDF Recpt Date:	12/1/2010
EPA ID:	NYD981141948
Transporter 2 ID:	NJD071629976

AIRS (AFS):

Airs Minor Details:

EPA plant ID:	110001607468
Plant name:	HUDSON KIM'S CLEANERS
Plant address:	462 HUDSON ST NEW YORK, NY 100143781
County:	NEW YORK
Region code:	02
Dunn & Bradst #:	Not reported
Air quality cntrl region:	043
Sic code:	7216
Sic code desc:	DRYCLEANING PLANTS, EXCEPT RUG
North Am. industrial classf:	812320
NAIC code description:	Drycleaning and Laundry Services (except Coin-Operated)
Default compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification:	POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Compliance and Enforcement Major Issues:

Air program:	SIP SOURCE
National action type:	Not reported
Date achieved:	00000
Penalty amount:	Not reported
Air program:	SIP SOURCE
National action type:	Not reported
Date achieved:	00000
Penalty amount:	Not reported
Air program:	Not reported
National action type:	Not reported
Date achieved:	Not reported
Penalty amount:	Not reported
Air program:	Not reported
National action type:	Not reported
Date achieved:	Not reported
Penalty amount:	Not reported
Air program:	Not reported
National action type:	Not reported
Date achieved:	Not reported
Penalty amount:	Not reported
Air program:	Not reported
National action type:	Not reported

HUDSON KIM'S CLEANERS (Continued) **1000384223**

Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: M

State compliance status: IN VIOLATION WITH REGARD TO BOTH EMISSIONS AND PROCEDURAL COMPLIANCE
Hist compliance date: 0904
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 0904
Air prog code hist file: 0

HUDSON KIM'S CLEANERS (Continued) **1000384223**

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: M

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

HUDSON KIM'S CLEANERS (Continued) **1000384223**

Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: UNCLASSIFIED
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

P118 **EDR US Hist Cleaners** **1015064209**
ENE **462 HUDSON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.184 mi.
971 ft. **Site 2 of 8 in cluster P**

Relative:
Higher

Actual:
17 ft.

EDR Historical Cleaners:

Name: HUDSON DRY CLEANERS
Year: 1999
Address: 462 HUDSON ST

Name: HUDSON DRY CLEANERS
Year: 2000
Address: 462 HUDSON ST

Name: HUDSON DRY CLEANERS
Year: 2001
Address: 462 HUDSON ST

Name: HUDSON DRY CLEANERS
Year: 2002
Address: 462 HUDSON ST

Name: HUDSON DRY CLEANERS
Year: 2003
Address: 462 HUDSON ST

Name: HUDSON DRY CLEANERS
Year: 2008
Address: 462 HUDSON ST

(Continued) **1015064209**

Name: HUDSON DRY CLEANERS
Year: 2010
Address: 462 HUDSON ST

Name: HUDSON DRY CLEANERS
Year: 2011
Address: 462 HUDSON ST

Name: HUDSON DRY CLEANERS
Year: 2012
Address: 462 HUDSON ST

P119 **HUDSON DRY CLEANERS INCORPORATED** **NY MANIFEST** **S110246833**
ENE **462 HUDSON STREET** **NY DRYCLEANERS** **N/A**
1/8-1/4 **NYEW YORK, NY 10014**
0.184 mi.
971 ft. **Site 3 of 8 in cluster P**

Relative:
Higher

Actual:
17 ft.

NY MANIFEST:

EPA ID:	NYD981141948
Country:	USA
Mailing Name:	HUDSON DRY CLEANERS INCORPORATED
Mailing Contact:	HUDSON DRY CLEANERS INCORPORATED
Mailing Address:	462 HUDSON STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-242-4518

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2012-03-15
Trans1 Recv Date:	2012-03-15
Trans2 Recv Date:	2012-03-26
TSD Site Recv Date:	2012-03-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981141948
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	003247060SKS
Import Ind:	N
Export Ind:	N

HUDSON DRY CLEANERS INCORPORATED (Continued) **S110246833**

Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2011-07-26
Trans1 Recv Date:	2011-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-08-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981141948
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	50.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002668443SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	Not reported
Generator Ship Date:	2011-07-26
Trans1 Recv Date:	2011-07-26
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-08-01
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

HUDSON DRY CLEANERS INCORPORATED (Continued) **S110246833**

Generator EPA ID:	NYD981141948
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	RID084802842
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	002668443SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

DRYCLEANERS:

Facility ID:	2-6205-00290
Phone Number:	Not reported
Region:	2
Registration Effective Date:	9/8/2003 11:12:38:006
Inspection Date:	08JUN13
Install Date:	Not reported
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	PERC DRY CLEANER

Q120 **3-5 WEEHAWKEN ST** **NY AST** **U003386990**
North **3-5 WEEHAWKEN ST** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.190 mi.
1001 ft. **Site 1 of 6 in cluster Q**

Relative:
Higher

Actual:
8 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-235296
Program Type:	PBS
UTM X:	583624.87188999995
UTM Y:	4509659.1739499997
Expiration Date:	2016/04/06

Affiliation Records:

Site Id:	8661
Affiliation Type:	Mail Contact
Company Name:	ABC REALTY
Contact Type:	Not reported

3-5 WEEHAWKEN ST (Continued) **U003386990**

Contact Name:	BILL HARRA
Address1:	125 W 57TH ST 12TH FL
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10019
Country Code:	001
Phone:	(212) 307-0500
Phone Ext:	Not reported
Email:	BHARRA@ABCMGMT.NET
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	3/22/2012

Site Id:	8661
Affiliation Type:	On-Site Operator
Company Name:	3-5 WEEHAWKEN ST
Contact Type:	Not reported
Contact Name:	WILLIAM D HARRA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 307-0500
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	3/22/2012

Site Id:	8661
Affiliation Type:	Emergency Contact
Company Name:	WEEHAWKEN ST ASSOCIATES
Contact Type:	Not reported
Contact Name:	LOUIS J DEVITO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-5924
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	8661
Affiliation Type:	Owner
Company Name:	3-5 WEEHAWKEN CONDOMINIUM C/O ABC REALTY
Contact Type:	MANAGING AGENT
Contact Name:	LOUIS J. DE VITO
Address1:	125 W 57TH ST
Address2:	Not reported

3-5 WEEHAWKEN ST (Continued) **U003386990**

City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 924-5924
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	3/22/2012

Tank Info:

Tank Number:	001
Tank Id:	11047

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/30/1982
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DXLIVING
Last Modified:	04/13/2007

HIST AST:

PBS Number:	2-235296
SWIS Code:	6201
Operator:	LOUIS J DEVITO
Facility Phone:	(212) 924-5924
Facility Addr2:	3 WEEHAWKEN ST
Facility Type:	APARTMENT BUILDING
Emergency:	LOUIS J DEVITO
Emergency Tel:	(212) 924-5924
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported

3-5 WEEHAWKEN ST (Continued) **U003386990**

Owner Name:	WEEHAWKEN ST ASSOCIATES
Owner Address:	23 BARROW ST
Owner City,St,Zip:	NEW YORK, NY 10014
Federal ID:	Not reported
Owner Tel:	(212) 924-5924
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	LOUIS J. DEVITO
Mailing Name:	WEEHAWKEN ST ASSOCIATES
Mailing Address:	23 BARROW ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10014
Mailing Telephone:	(212) 924-5924
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/11/1997
Expiration:	07/07/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	1500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	1
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	8
Leak Detection:	0
Overfill Protection:	46
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False

3-5 WEEHAWKEN ST (Continued) **U003386990**

Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

M121 **V1289** **RCRA NonGen / NLR** **1007206801**
ESE **284 W HOUSTON STREET** **NY MANIFEST** **NYP004030714**
1/8-1/4 **NEW YORK CITY, NY 10014**
0.190 mi.
1004 ft. **Site 6 of 6 in cluster M**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/03/2001
Facility name: V1289
Facility address: 284 W HOUSTON STREET
NEW YORK CITY, NY 10014
EPA ID: NYP004030714
Mailing address: CONSOLIDATED EDISON INC.
4 IRVING PLACE -- ROOM 300
NEW YORK, NY 10003
Contact: ANTHONY DRUMMINGS
Contact address: CONSOLIDATED EDISON INC.
NEW YORK, NY 10003
Contact country: US
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/02/2001
Facility name: V1289
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Facility name: V1289
Classification: Large Quantity Generator

Violation Status: No violations found

V1289 (Continued) **1007206801**

NY MANIFEST:

EPA ID:	NYP004030714
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	NYE0255835
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	02/23/1999
Trans1 Recv Date:	02/23/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/23/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004030714
Trans1 EPA ID:	NYD980593636
Trans2 EPA ID:	Not reported
TSDF ID:	GX3213
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	01311
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Q122 **303 WEST 10TH ST** **NY HIST UST** **U000405765**
North **303 W 10TH ST (160 CHARLES ST)** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.193 mi.
1017 ft. **Site 2 of 6 in cluster Q**

Relative:
Higher

Actual:
7 ft.

HIST UST:

PBS Number:	2-192481
SPDES Number:	Not reported
Emergency Contact:	GERARD HARRIS
Emergency Telephone:	(212) 481-1122
Operator:	GEORGE COMFORT & SONS INC
Operator Telephone:	(212) 989-8995
Owner Name:	303 W TENTH REALTY CO
Owner Address:	200 MADIOSN AVE
Owner City,St,Zip:	NEW YORK, NY 10016
Owner Telephone:	(212) 481-1122
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported

303 WEST 10TH ST (Continued) **U000405765**

Mailing Name:	303 W TENTH REALTY CO
Mailing Address:	200 MADIOSN AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10016
Mailing Contact:	Not reported
Mailing Telephone:	(212) 481-1122
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	303 W 10TH ST 160 CHARLES ST
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	09/12/1997
Expiration Date:	10/15/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported

303 WEST 10TH ST (Continued) **U000405765**

Deleted: False
Updated: True
Lat/long: Not reported

R123 **55 MORTON ST** **NY HIST UST** **U001832956**
ENE **55 MORTON ST** **NY AST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.193 mi.
1020 ft. **Site 1 of 5 in cluster R**

Relative:
Higher

Actual:
16 ft.

HIST UST:

PBS Number:	2-189383
SPDES Number:	Not reported
Emergency Contact:	CHAIM BABAN
Emergency Telephone:	(718) 633-7586
Operator:	RAMON CASTANO
Operator Telephone:	(212) 627-5418
Owner Name:	55 MORTON ST TENANTS CORP
Owner Address:	POB 313 PARKVILLE STATION
Owner City,St,Zip:	BROOKLYN, NY 11204
Owner Telephone:	(718) 633-1773
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	55 MORTON ST TENANTS CORP
Mailing Address:	POB 313 PARKVILLE STATION
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11204
Mailing Contact:	CHAIM BABAN
Mailing Telephone:	(718) 633-1773
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	55 MORTON ST
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/02/1997
Expiration Date:	06/05/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

55 MORTON ST (Continued) **U001832956**

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	3000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-189383
Program Type:	PBS
UTM X:	583983.10710999998
UTM Y:	4509372.51786
Expiration Date:	2017/06/05

Affiliation Records:

Site Id:	5785
Affiliation Type:	Owner
Company Name:	55 MORTON ST TENANTS CORP
Contact Type:	PRESIDENT
Contact Name:	CHAIM BABAD
Address1:	POB 313 PARKVILLE STATION
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11204
Country Code:	001
Phone:	(718) 633-7586
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	3/5/2007

Site Id:	5785
Affiliation Type:	Mail Contact

55 MORTON ST (Continued) **U001832956**

Company Name:	55 MORTON ST TENANTS CORP
Contact Type:	Not reported
Contact Name:	CHAIM BABAD
Address1:	POB 313
Address2:	PARKVILLE STATION
City:	BROOKLYN
State:	NY
Zip Code:	11204
Country Code:	001
Phone:	(718) 633-1773
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	5785
Affiliation Type:	On-Site Operator
Company Name:	55 MORTON ST
Contact Type:	Not reported
Contact Name:	RAMON CASIANO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 627-5418
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	5785
Affiliation Type:	Emergency Contact
Company Name:	55 MORTON ST TENANTS CORP
Contact Type:	Not reported
Contact Name:	CHAIM BABAD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 633-7586
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	002
Tank Id:	182042

55 MORTON ST (Continued) **U001832956**

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
I05 - Overfill - Vent Whistle
G03 - Tank Secondary Containment - Vault (w/o access)
K00 - Spill Prevention - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/12/2005
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	02/16/2005

R124 **55 MORTON ST** **NY UST** **U004076818**
ENE **55 MORTON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.193 mi.
1020 ft. **Site 2 of 5 in cluster R**

Relative:
Higher

Actual:
16 ft.

UST:

Facility Id:	2-189383
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2017/06/05
UTM X:	583983.10710999998
UTM Y:	4509372.51786

Affiliation Records:

Site Id:	5785
Affiliation Type:	Owner
Company Name:	55 MORTON ST TENANTS CORP
Contact Type:	PRESIDENT
Contact Name:	CHAIM BABAD
Address1:	POB 313 PARKVILLE STATION
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11204
Country Code:	001
Phone:	(718) 633-7586
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	3/5/2007

55 MORTON ST (Continued) **U004076818**

Site Id:	5785
Affiliation Type:	Mail Contact
Company Name:	55 MORTON ST TENANTS CORP
Contact Type:	Not reported
Contact Name:	CHAIM BABAD
Address1:	POB 313
Address2:	PARKVILLE STATION
City:	BROOKLYN
State:	NY
Zip Code:	11204
Country Code:	001
Phone:	(718) 633-1773
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	5785
Affiliation Type:	On-Site Operator
Company Name:	55 MORTON ST
Contact Type:	Not reported
Contact Name:	RAMON CASIANO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 627-5418
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	5785
Affiliation Type:	Emergency Contact
Company Name:	55 MORTON ST TENANTS CORP
Contact Type:	Not reported
Contact Name:	CHAIM BABAD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 633-7586
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	5785

55 MORTON ST (Continued) **U004076818**

Tank Number: 001
Tank ID: 6414
Tank Status: Closed - In Place
Tank Type: Steel/carbon steel
Pipe Model: Not reported

Equipment Records:
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None

Install Date: Not reported
Capacity Gallons: 3000
Tightness Test Method: NN
Next Test Date: Not reported
Date Tank Closed: 01/12/2005
Tank Location: 5
Tank Type: Steel/carbon steel
Date Test: Not reported
Registered: True
Modified By: NRLOMBAR
Last Modified: 02/16/2005

P125 **85 BARROW** **NY AST** **U003396835**
ENE **85 BARROW STREET** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.195 mi.
1027 ft. **Site 4 of 8 in cluster P**

Relative:
Higher

Actual:
17 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-602803
Program Type: PBS
UTM X: 583943.77602999995
UTM Y: 4509444.7895400003
Expiration Date: 2016/10/24

Affiliation Records:
Site Id: 24759
Affiliation Type: Owner
Company Name: MORTON BARROW OWNERS CORPORATION
Contact Type: Not reported
Contact Name: Not reported
Address1: 12 DESBROSSES ST
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 366-1968
Phone Ext: Not reported

85 BARROW (Continued) **U003396835**

Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/29/2011

Site Id:	24759
Affiliation Type:	Mail Contact
Company Name:	MORTON BARROW OWNERS CORPORATION
Contact Type:	Not reported
Contact Name:	MACK EDGE MGMT LLC
Address1:	12 DESBROSSES STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 366-1968
Phone Ext:	Not reported
Email:	SORAYA@MACKEDGE.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/21/2011

Site Id:	24759
Affiliation Type:	On-Site Operator
Company Name:	85 BARROW ST
Contact Type:	Not reported
Contact Name:	JOE O'GARA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 691-9789
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/21/2011

Site Id:	24759
Affiliation Type:	Emergency Contact
Company Name:	MORTON BARROW OWNERS CORPORATION
Contact Type:	Not reported
Contact Name:	SORAYA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 445-5376
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS

85 BARROW (Continued) **U003396835**

Date Last Modified: 11/16/2011

Tank Info:

Tank Number: 01
Tank Id: 51682

Equipment Records:

K00 - Spill Prevention - None
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
D00 - Pipe Type - No Piping
H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
J02 - Dispenser - Suction
A00 - Tank Internal Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 11/01/1989
Capacity Gallons: 5000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: NRLOMBAR
Last Modified: 12/21/2011

HIST AST:

PBS Number: 2-602803
SWIS Code: 6201
Operator: JUAN DALAMASI
Facility Phone: (212) 691-9789
Facility Addr2: Not reported
Facility Type: APARTMENT BUILDING
Emergency: ADRIANA LOPEZ
Emergency Tel: (212) 807-7700
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: MORTON BARROW OWNERS CORPORATION
Owner Address: 224 WEST 4TH STREET
Owner City,St,Zip: NEW YORK, NY 10014
Federal ID: Not reported
Owner Tel: (212) 807-7700
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Contact: MORTON-BARROW OWNERS CORP
Mailing Name: JUSTIS PROPERTIES
Mailing Address: 224 WEST 4TH STREET

85 BARROW (Continued) **U003396835**

Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10014
Mailing Telephone:	(212) 807-7700
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/26/2001
Expiration:	10/24/2006
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2
Tank ID:	01
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	00
Dispenser Method:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

N126 NNE 1/8-1/4 0.198 mi. 1045 ft. | **659 WASHINGTON STREET**
659 WASHINGTON STREET
NEW YORK, NY 10014

Site 6 of 6 in cluster N

NY AST | **A100292644**
N/A

Relative: Higher

Actual: 14 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-607307
Program Type:	PBS
UTM X:	583723.70427999995
UTM Y:	4509600.7247400004
Expiration Date:	2016/09/11

Affiliation Records:

Site Id:	29160
Affiliation Type:	Mail Contact
Company Name:	CITY LIFE LLC
Contact Type:	Not reported
Contact Name:	RHEA SOHNE VADHER
Address1:	PO BOX 20056
Address2:	WEST VILLAGE STATION
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 929-0724
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	12/19/2006

Site Id:	29160
Affiliation Type:	On-Site Operator
Company Name:	659 WASHINGTON STREET
Contact Type:	Not reported
Contact Name:	RHEA SCHNE VADHER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 929-0724
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	12/19/2006

Site Id:	29160
Affiliation Type:	Emergency Contact
Company Name:	GERALD SOHNE
Contact Type:	Not reported
Contact Name:	R. VADHER
Address1:	Not reported
Address2:	Not reported

659 WASHINGTON STREET (Continued) **A100292644**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 695-0318
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	12/19/2006

Site Id:	29160
Affiliation Type:	Owner
Company Name:	CITY LIFE LLC
Contact Type:	MGR
Contact Name:	R SOHNE
Address1:	PO BOX 20056
Address2:	Not reported
City:	NY
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 929-0724
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/29/2011

Tank Info:

Tank Number:	001
Tank Id:	62716

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/01/1999
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported

659 WASHINGTON STREET (Continued) **A100292644**

Register:	True
Modified By:	MSBAPTIS
Last Modified:	07/29/2011

S127 **CITY AS ASCHOOL** **NY AST** **U003397232**
ESE **16 CLARKSON STREET** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.199 mi.
1051 ft. **Site 1 of 10 in cluster S**

Relative:
Higher

Actual:
16 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-603540
Program Type:	PBS
UTM X:	583961.87306000001
UTM Y:	4509196.6456500003
Expiration Date:	2013/06/26

Affiliation Records:

Site Id:	25456
Affiliation Type:	Owner
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	JAMES A. MERLO
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	GDBREEN
Date Last Modified:	12/19/2012

Site Id:	25456
Affiliation Type:	Mail Contact
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	JAMES A. MERLO
Address1:	FIELD OPERATIONS - FUEL DIVISION
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	JMERLO@SCHOOLS.NYC.GOV
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	6/4/2008

Site Id:	25456

CITY AS ASCHOOL (Continued) **U003397232**

Affiliation Type:	On-Site Operator
Company Name:	CITY AS SCHOOL HS
Contact Type:	Not reported
Contact Name:	PLANT OPERATIONS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 349-5400
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	25456
Affiliation Type:	Emergency Contact
Company Name:	NEW YORK CITY DEPARTMENT OF EDUCATION
Contact Type:	Not reported
Contact Name:	SCHOOL SAFETY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 935-3300
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/27/2012

Tank Info:

Tank Number:	001
Tank Id:	54718

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I02 - Overfill - High Level Alarm

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported

CITY AS ASCHOOL (Continued) **U003397232**

Install Date:	09/01/1997
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	04/11/2008

HIST AST:

PBS Number:	2-603540
SWIS Code:	6201
Operator:	PLANT OPERATIONS
Facility Phone:	(718) 391-6000
Facility Addr2:	16 CLARKSON STREET
Facility Type:	Not reported
Emergency:	SCHOOL SAFETY
Emergency Tel:	(212) 979-3300
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	N.Y.C. BOARD OF EDUCATION
Owner Address:	28-11 QUEENS PLAZA NORTH
Owner City,St,Zip:	LONG ISLAND CITY, NY 11101
Federal ID:	Not reported
Owner Tel:	(718) 391-6832
Owner Type:	Local Government
Owner Subtype:	Not reported
Mailing Contact:	FRANK CARDELLO
Mailing Name:	OFFICE OF BUILDING SERVICES
Mailing Address:	28-11 QUEENS PLAZA NORTH
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LONG ISLAND CITY, NY 11101
Mailing Telephone:	(718) 391-6832
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	06/29/1998
Expiration:	06/26/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	7500
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

CITY AS ASCHOOL (Continued) **U003397232**

Tank ID:	001
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	19970901
Capacity (Gal):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	04
Overfill Protection:	02
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

T128 **NEW ARCHIVE CLEANERS** **RCRA NonGen / NLR** **1000693811**
NE **670 GREENWICH ST** **FINDS** **NYD986999332**
1/8-1/4 **NEW YORK, NY 10014** **NY MANIFEST**
0.200 mi.
1054 ft. **Site 1 of 12 in cluster T**

Relative:
Higher

Actual:
18 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NEW ARCHIVE CLEANERS
Facility address:	670 GREENWICH ST NEW YORK, NY 10014
EPA ID:	NYD986999332
Mailing address:	GREENWICH ST NEW YORK, NY 10014
Contact:	Not reported
Contact address:	GREENWICH ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NEW ARCHIVE CLEANER
Owner/operator address:	NOT REQUIRED NOT REQUIRED, NY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212

NEW ARCHIVE CLEANERS (Continued) **1000693811**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NEW ARCHIVE CLEANER
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NEW ARCHIVE CLEANERS
Classification: Not a generator, verified

Date form received by agency: 07/14/1999
Facility name: NEW ARCHIVE CLEANERS
Classification: Small Quantity Generator

Date form received by agency: 04/15/1992
Facility name: NEW ARCHIVE CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004488803

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

NEW ARCHIVE CLEANERS (Continued) **1000693811**

corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID:	NYD986999332
Country:	USA
Mailing Name:	NEW ARCHIVE CLEANERS
Mailing Contact:	R LEWIS
Mailing Address:	667 GREENWHICH ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-989-1013

Document ID:	NJA2528101
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	960701
Trans1 Recv Date:	960701
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960701
Part A Recv Date:	960718
Part B Recv Date:	960712
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA2251621
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	951031
Trans1 Recv Date:	951031
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	951031
Part A Recv Date:	951107
Part B Recv Date:	951108
Generator EPA ID:	NYD986999332

NEW ARCHIVE CLEANERS (Continued) **1000693811**

Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	95

Document ID:	NJA2227515
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	960202
Trans1 Recv Date:	960202
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960202
Part A Recv Date:	960216
Part B Recv Date:	960216
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NYB7191531
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	XZ90GR501
Trans2 State ID:	Not reported
Generator Ship Date:	961024
Trans1 Recv Date:	961024
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961025
Part A Recv Date:	Not reported
Part B Recv Date:	961118
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	NJD000564906
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00070
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.

NEW ARCHIVE CLEANERS (Continued) **1000693811**

Specific Gravity:	100
Year:	96

Document ID:	NYG0075789
Manifest Status:	Completed copy
Trans1 State ID:	XZ90GR501
Trans2 State ID:	Not reported
Generator Ship Date:	971010
Trans1 Recv Date:	971010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971013
Part A Recv Date:	971126
Part B Recv Date:	971027
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	NJD000564906
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00140
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

Document ID:	NJA2549487
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	960422
Trans1 Recv Date:	960422
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960422
Part A Recv Date:	960509
Part B Recv Date:	960503
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

NEW ARCHIVE CLEANERS (Continued) **1000693811**

Document ID:	NJA2523304
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	960531
Trans1 Recv Date:	960531
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960531
Part A Recv Date:	960611
Part B Recv Date:	960613
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA2544089
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	960313
Trans1 Recv Date:	960315
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960315
Part A Recv Date:	960325
Part B Recv Date:	960328
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA2636495
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	960829
Trans1 Recv Date:	960829
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960829
Part A Recv Date:	960912

NEW ARCHIVE CLEANERS (Continued) **1000693811**

Part B Recv Date:	960924
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA1618641
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	930421
Trans1 Recv Date:	930421
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930421
Part A Recv Date:	930429
Part B Recv Date:	930503
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NJA1649869
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	930316
Trans1 Recv Date:	930316
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930316
Part A Recv Date:	930326
Part B Recv Date:	930326
Generator EPA ID:	NYD986999332

NEW ARCHIVE CLEANERS (Continued) **1000693811**

Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NYB8526447
Manifest Status:	Completed copy
Trans1 State ID:	XZ90GR501
Trans2 State ID:	Not reported
Generator Ship Date:	961230
Trans1 Recv Date:	961230
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970106
Part A Recv Date:	970122
Part B Recv Date:	970121
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	NJD000564906
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00135
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	NJA2744728
Manifest Status:	Completed copy
Trans1 State ID:	XZ90GR501
Trans2 State ID:	XZ90GR501
Generator Ship Date:	970331
Trans1 Recv Date:	970331
Trans2 Recv Date:	970407
TSD Site Recv Date:	970407
Part A Recv Date:	Not reported
Part B Recv Date:	970424
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	NJD000564906
Trans2 EPA ID:	NJD000564906
TSDF ID:	NJD002454544
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00600
Units:	P - Pounds
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.

NEW ARCHIVE CLEANERS (Continued) **1000693811**

Specific Gravity: 100
Year: 97

Document ID: NJA1359404
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 930112
Trans1 Recv Date: 930112
Trans2 Recv Date: Not reported
TSD Site Recv Date: 930112
Part A Recv Date: Not reported
Part B Recv Date: 930126
Generator EPA ID: NYD986999332
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00120
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 93

Document ID: NJA1613976
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 930621
Trans1 Recv Date: 930621
Trans2 Recv Date: Not reported
TSD Site Recv Date: 930621
Part A Recv Date: 930630
Part B Recv Date: 930702
Generator EPA ID: NYD986999332
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00060
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 93

Document ID: NYB8529525
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: XZ90GR501
Trans2 State ID: Not reported
Generator Ship Date: 970617

NEW ARCHIVE CLEANERS (Continued) **1000693811**

Trans1 Recv Date:	970617
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	970620
Part A Recv Date:	970716
Part B Recv Date:	970714
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	NJD000564906
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00080
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

Document ID:	NJA1734489
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	930914
Trans1 Recv Date:	930914
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930914
Part A Recv Date:	Not reported
Part B Recv Date:	931006
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NJA1804566
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	51736
Trans2 State ID:	Not reported
Generator Ship Date:	931122
Trans1 Recv Date:	931122
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	931122
Part A Recv Date:	931208
Part B Recv Date:	931220
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093

NEW ARCHIVE CLEANERS (Continued) **1000693811**

Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NJA1748235
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	930715
Trans1 Recv Date:	930715
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930715
Part A Recv Date:	930729
Part B Recv Date:	930726
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

Document ID:	NJA1738611
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	931012
Trans1 Recv Date:	931012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	931012
Part A Recv Date:	931112
Part B Recv Date:	931104
Generator EPA ID:	NYD986999332
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	93

NEW ARCHIVE CLEANERS (Continued) **1000693811**

Click this hyperlink while viewing on your computer to access
15 additional NY_MANIFEST: record(s) in the EDR Site Report.

P129 **EDR US Hist Auto Stat** **1015642776**
ENE **81 BARROW ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.205 mi.
1081 ft. **Site 5 of 8 in cluster P**

Relative:
Higher

Actual:
17 ft.

EDR Historical Auto Stations:

Name:	BARROW 24 HOUR TOW & REPAIR
Year:	2010
Address:	81 BARROW ST
Name:	BARROW 24 HR TOW & REPAIR
Year:	2011
Address:	81 BARROW ST
Name:	BARROW 24 HR TOW & REPAIR
Year:	2012
Address:	81 BARROW ST

O130 **WHITEHALL STORAGE(WHITEHALL BUSINESS ARCHIEVES INC** **NY AST** **A100296740**
SE **333 HUDSON STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.206 mi.
1086 ft. **Site 5 of 13 in cluster O**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-607317
Program Type:	PBS
UTM X:	583821.26086000004
UTM Y:	4508927.1526800003
Expiration Date:	2017/01/16

Affiliation Records:

Site Id:	29170
Affiliation Type:	Owner
Company Name:	WHITEHALL BUSINESS ARCHIEVES, INC.(AS NET LESSEE)
Contact Type:	TREASURER
Contact Name:	JACK FUCHS
Address1:	40 WORTH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 587-0500
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	4/3/2007

WHITEHALL STORAGE(WHITEHALL BUSINESS ARCHIEVES INC (Continued) **A100296740**

Site Id:	29170
Affiliation Type:	Mail Contact
Company Name:	WHITEHALL BUSINESS ARCHIEVES, INC.(AS NET LESSEE)
Contact Type:	Not reported
Contact Name:	JACK FUCHS
Address1:	333 HUDSON ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 587-0500
Phone Ext:	Not reported
Email:	ANDREW@WHITEHALLSTORAGE.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	3/16/2012

Site Id:	29170
Affiliation Type:	On-Site Operator
Company Name:	WHITEHALL STORAGE(WHITEHALL BUSINESS ARCHIEVES INC
Contact Type:	Not reported
Contact Name:	AUGUSTUS IONESCU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 675-0156
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29170
Affiliation Type:	Emergency Contact
Company Name:	WHITEHALL BUSINESS ARCHIEVES, INC.(AS NET LESSEE)
Contact Type:	Not reported
Contact Name:	AUGUSTUS IONESCU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(516) 809-7267
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	3/16/2012

Tank Info:

Tank Number:	1

WHITEHALL STORAGE(WHITEHALL BUSINESS ARCHIEVES INC (Continued) **A100296740**

Tank Id: 62727

Equipment Records:

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle
G04 - Tank Secondary Containment - Double-Walled (Underground)
K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/01/1926
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	03/16/2012

O131 **GREENSPAN & KUSHLIN ENGRAVIN** **RCRA NonGen / NLR** **1000208534**
SE **333 FAIRCHILD AVE** **FINDS** **NYD061200812**
1/8-1/4 **NEW YORK, NY 10027** **NY MANIFEST**
0.206 mi.
1086 ft. **Site 6 of 13 in cluster O**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	GREENSPAN & KUSHLIN ENGRAVING CORP
Facility address:	333 FAIRCHILD AVE NEW YORK, NY 10013
EPA ID:	NYD061200812
Mailing address:	HUDSON ST NEW YORK, NY 10013
Contact:	Not reported
Contact address:	HUDSON ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	GREENSPAN & KUSHLIN ENGRAVING CORP
Owner/operator address:	NOT REQUIRED

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

	NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	GREENSPAN & KUSHLIN ENGRAVING CORP
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	GREENSPAN & KUSHLIN ENGRAVING CORP
Classification:	Not a generator, verified

Date form received by agency:	01/01/2001
Facility name:	GREENSPAN & KUSHLIN ENGRAVING CORP
Classification:	Large Quantity Generator

Date form received by agency:	07/14/1999
Facility name:	GREENSPAN & KUSHLIN ENGRAVING CORP
Classification:	Small Quantity Generator

Date form received by agency:	04/05/1996
Facility name:	GREENSPAN & KUSHLIN ENGRAVING CORP
Site name:	GREENSPAN & KUSHLIN ENG. CORP.
Classification:	Large Quantity Generator

Date form received by agency:	04/28/1983
Facility name:	GREENSPAN & KUSHLIN ENGRAVING CORP
Classification:	Large Quantity Generator

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - Records/Reporting
Date violation determined:	08/26/1997
Date achieved compliance:	10/31/1997
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	08/26/1997
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Generators - Records/Reporting
Date violation determined:	04/01/1994
Date achieved compliance:	08/22/1994
Violation lead agency:	State
Enforcement action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date:	08/22/1994
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Generators - Records/Reporting
Date violation determined:	04/01/1994
Date achieved compliance:	08/22/1994
Violation lead agency:	State
Enforcement action:	INITIAL 3008(A) COMPLIANCE
Enforcement action date:	07/29/1994
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	1200
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	01/09/1991
Date achieved compliance:	06/14/1991
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	01/09/1991
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Evaluation Action Summary:

Evaluation date:	03/01/1997
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Generators - Records/Reporting
Date achieved compliance:	10/31/1997
Evaluation lead agency:	State

Evaluation date:	04/01/1994
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Generators - Records/Reporting
Date achieved compliance:	08/22/1994
Evaluation lead agency:	State

Evaluation date:	11/13/1990
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	06/14/1991
Evaluation lead agency:	State

Evaluation date:	08/03/1989
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

FINDS:

Registry ID: 110004362323

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYD986957165
Country:	USA
Mailing Name:	GERSON OFFSET LITHOGRAPHY
Mailing Contact:	GILBERT LANSEY
Mailing Address:	333 HUDSON STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10013
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-924-5910

Document ID:	NYB7878825
Manifest Status:	Completed copy
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Generator Ship Date:	950828
Trans1 Recv Date:	950828
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950829
Part A Recv Date:	Not reported
Part B Recv Date:	950913
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00660
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	110
Year:	95

Document ID:	NYH0101637
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	04/10/2000
Trans1 Recv Date:	04/10/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/10/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00825
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYH0102843
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	04/18/2000
Trans1 Recv Date:	04/18/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/18/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

TSDF ID:	PX3640
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYH0130365
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	07/25/2000
Trans1 Recv Date:	07/25/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/25/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYB7627113
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	960511
Trans1 Recv Date:	960528
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960530
Part A Recv Date:	960724
Part B Recv Date:	960627
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	CT5000000570
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Document ID:	NYB4324977
Manifest Status:	Completed copy
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported
Generator Ship Date:	930326
Trans1 Recv Date:	930326
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930326
Part A Recv Date:	Not reported
Part B Recv Date:	930407
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	01045
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	110
Year:	93

Document ID:	NYB7627419
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	960404
Trans1 Recv Date:	960404
Trans2 Recv Date:	960415
TSD Site Recv Date:	960416
Part A Recv Date:	960522
Part B Recv Date:	960501
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	CT5000000570
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00770
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	014
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	NYB8104752
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	XC75479PA
Trans2 State ID:	Not reported
Generator Ship Date:	961115
Trans1 Recv Date:	961115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961120
Part A Recv Date:	970109

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Part B Recv Date:	961213
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	PAD987358587
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	NYB8104113
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT34050
Trans2 State ID:	T491XNOH
Generator Ship Date:	960627
Trans1 Recv Date:	960719
Trans2 Recv Date:	960801
TSD Site Recv Date:	960806
Part A Recv Date:	Not reported
Part B Recv Date:	960912
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	CT5000000570
Trans2 EPA ID:	OH0000000539
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00660
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	MIA7373175
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	PAD987358587
Generator Ship Date:	10/28/1999
Trans1 Recv Date:	10/28/1999
Trans2 Recv Date:	11/03/1999
TSD Site Recv Date:	11/08/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	MID000724831
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	01100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	020

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	MIA7700022
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	PAD987358587
Generator Ship Date:	12/06/1999
Trans1 Recv Date:	12/06/1999
Trans2 Recv Date:	12/08/1999
TSD Site Recv Date:	12/14/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	MID000724831
Trans2 EPA ID:	Not reported
TSDF ID:	NYPD1010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00675
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	013
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYO2891115
Manifest Status:	Completed copy
Trans1 State ID:	NYJA149
Trans2 State ID:	S7576AA
Generator Ship Date:	840718
Trans1 Recv Date:	840718
Trans2 Recv Date:	840718
TSD Site Recv Date:	840720
Part A Recv Date:	840725
Part B Recv Date:	840727
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NJD001318294
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

Document ID:	NYO2891124
Manifest Status:	Completed copy
Trans1 State ID:	NYJA149

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Trans2 State ID:	Not reported
Generator Ship Date:	840806
Trans1 Recv Date:	840806
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840813
Part A Recv Date:	840809
Part B Recv Date:	840822
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NJD001318294
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

Document ID:	NJA0011331
Manifest Status:	Completed copy
Trans1 State ID:	SAME
Trans2 State ID:	Not reported
Generator Ship Date:	841109
Trans1 Recv Date:	841109
Trans2 Recv Date:	841115
TSD Site Recv Date:	841115
Part A Recv Date:	841130
Part B Recv Date:	841130
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NJD001318294
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

Document ID:	NJA0029909
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	S7576CD/J
Trans2 State ID:	Not reported
Generator Ship Date:	850225
Trans1 Recv Date:	850225
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	850225
Part A Recv Date:	850305
Part B Recv Date:	850423
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NJD001318294

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	85

Document ID:	NYB7456527
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PP5193
Trans2 State ID:	PA250
Generator Ship Date:	970117
Trans1 Recv Date:	970211
Trans2 Recv Date:	970213
TSD Site Recv Date:	970218
Part A Recv Date:	970326
Part B Recv Date:	970328
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	PAD987358587
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00880
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	016
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NYB7456968
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYPD1010
Trans2 State ID:	PA250
Generator Ship Date:	970529
Trans1 Recv Date:	970613
Trans2 Recv Date:	970617
TSD Site Recv Date:	970702
Part A Recv Date:	970728
Part B Recv Date:	970804
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	PAD987358587
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00825
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Year: 97

Document ID: NYB7459947
Manifest Status: Not reported
Trans1 State ID: NJD986607380
Trans2 State ID: Not reported
Generator Ship Date: 08/18/1999
Trans1 Recv Date: 08/18/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/28/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD061200812
Trans1 EPA ID: OHD083377010
Trans2 EPA ID: Not reported
TSDF ID: NYJA334
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00880
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 016
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 99

Document ID: NJA0365286
Manifest Status: Completed copy
Trans1 State ID: S10331
Trans2 State ID: Not reported
Generator Ship Date: 890419
Trans1 Recv Date: 890419
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890420
Part A Recv Date: 890424
Part B Recv Date: 890427
Generator EPA ID: NYD061200812
Trans1 EPA ID: ILD099202681
Trans2 EPA ID: Not reported
TSDF ID: NJD089216790
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00300
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 006
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 89

Document ID: NYB5376285
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PD9938
Trans2 State ID: Not reported
Generator Ship Date: 930609
Trans1 Recv Date: 930609

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930609
Part A Recv Date:	930622
Part B Recv Date:	930712
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	110
Year:	93

Click this hyperlink while viewing on your computer to access
34 additional NY_MANIFEST: record(s) in the EDR Site Report.

EPA ID:	NYD061200812
Country:	USA
Mailing Name:	GREENSPAN & KUSHLIN ENGRAVING CORP
Mailing Contact:	BETTY STERN
Mailing Address:	223 GREENPOINT AVE
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11222
Mailing Zip4:	2407
Mailing Country:	USA
Mailing Phone:	212-255-4626

Document ID:	NYB7878825
Manifest Status:	Completed copy
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported
Generator Ship Date:	950828
Trans1 Recv Date:	950828
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950829
Part A Recv Date:	Not reported
Part B Recv Date:	950913
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00660
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	110
Year:	95

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Document ID:	NYH0101637
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	04/10/2000
Trans1 Recv Date:	04/10/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/10/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	F006 - WW TREAT SL FM ELECTROPLATING OPER
Quantity:	00825
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYH0102843
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	04/18/2000
Trans1 Recv Date:	04/18/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/18/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00550
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYH0130365
Manifest Status:	Not reported
Trans1 State ID:	NYD082785429
Trans2 State ID:	Not reported
Generator Ship Date:	07/25/2000
Trans1 Recv Date:	07/25/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/25/2000
Part A Recv Date:	Not reported

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	PX3640
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYB7627113
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	960511
Trans1 Recv Date:	960528
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960530
Part A Recv Date:	960724
Part B Recv Date:	960627
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	CT5000000570
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	NYB4324977
Manifest Status:	Completed copy
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported
Generator Ship Date:	930326
Trans1 Recv Date:	930326
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930326
Part A Recv Date:	Not reported
Part B Recv Date:	930407
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	01045
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	110
Year:	93

Document ID:	NYB7627419
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	960404
Trans1 Recv Date:	960404
Trans2 Recv Date:	960415
TSD Site Recv Date:	960416
Part A Recv Date:	960522
Part B Recv Date:	960501
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	CT5000000570
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00770
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	014
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	NYB8104752
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	XC75479PA
Trans2 State ID:	Not reported
Generator Ship Date:	961115
Trans1 Recv Date:	961115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	961120
Part A Recv Date:	970109
Part B Recv Date:	961213
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	PAD987358587
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	010
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	NYB8104113
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	CT34050

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Trans2 State ID:	T491XNOH
Generator Ship Date:	960627
Trans1 Recv Date:	960719
Trans2 Recv Date:	960801
TSD Site Recv Date:	960806
Part A Recv Date:	Not reported
Part B Recv Date:	960912
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	CT5000000570
Trans2 EPA ID:	OH0000000539
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00660
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	012
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	96

Document ID:	MIA7373175
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	PAD987358587
Generator Ship Date:	10/28/1999
Trans1 Recv Date:	10/28/1999
Trans2 Recv Date:	11/03/1999
TSD Site Recv Date:	11/08/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	MID000724831
Trans2 EPA ID:	Not reported
TSDF ID:	PD1011NY
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	01100
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	020
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	MIA7700022
Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	PAD987358587
Generator Ship Date:	12/06/1999
Trans1 Recv Date:	12/06/1999
Trans2 Recv Date:	12/08/1999
TSD Site Recv Date:	12/14/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	MID000724831

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Trans2 EPA ID:	Not reported
TSDF ID:	NYPD1010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00675
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	013
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NYO2891115
Manifest Status:	Completed copy
Trans1 State ID:	NYJA149
Trans2 State ID:	S7576AA
Generator Ship Date:	840718
Trans1 Recv Date:	840718
Trans2 Recv Date:	840718
TSD Site Recv Date:	840720
Part A Recv Date:	840725
Part B Recv Date:	840727
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NJD001318294
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	84

Document ID:	NYO2891124
Manifest Status:	Completed copy
Trans1 State ID:	NYJA149
Trans2 State ID:	Not reported
Generator Ship Date:	840806
Trans1 Recv Date:	840806
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	840813
Part A Recv Date:	840809
Part B Recv Date:	840822
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NJD001318294
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Year: 84

Document ID: NJA0011331
Manifest Status: Completed copy
Trans1 State ID: SAME
Trans2 State ID: Not reported
Generator Ship Date: 841109
Trans1 Recv Date: 841109
Trans2 Recv Date: 841115
TSD Site Recv Date: 841115
Part A Recv Date: 841130
Part B Recv Date: 841130
Generator EPA ID: NYD061200812
Trans1 EPA ID: NJD001318294
Trans2 EPA ID: Not reported
TSDF ID: NJD089216790
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 84

Document ID: NJA0029909
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: S7576CD/J
Trans2 State ID: Not reported
Generator Ship Date: 850225
Trans1 Recv Date: 850225
Trans2 Recv Date: Not reported
TSD Site Recv Date: 850225
Part A Recv Date: 850305
Part B Recv Date: 850423
Generator EPA ID: NYD061200812
Trans1 EPA ID: NJD001318294
Trans2 EPA ID: Not reported
TSDF ID: NJD089216790
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00100
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 85

Document ID: NYB7456527
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PP5193
Trans2 State ID: PA250
Generator Ship Date: 970117
Trans1 Recv Date: 970211

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Trans2 Recv Date:	970213
TSD Site Recv Date:	970218
Part A Recv Date:	970326
Part B Recv Date:	970328
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	PAD987358587
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00880
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	016
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NYB7456968
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYPD1010
Trans2 State ID:	PA250
Generator Ship Date:	970529
Trans1 Recv Date:	970613
Trans2 Recv Date:	970617
TSD Site Recv Date:	970702
Part A Recv Date:	970728
Part B Recv Date:	970804
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	PAD987358587
TSDF ID:	OHD083377010
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00825
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	97

Document ID:	NYB7459947
Manifest Status:	Not reported
Trans1 State ID:	NJD986607380
Trans2 State ID:	Not reported
Generator Ship Date:	08/18/1999
Trans1 Recv Date:	08/18/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/28/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	OHD083377010
Trans2 EPA ID:	Not reported
TSDF ID:	NYJA334
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Quantity:	00880
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	016
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

Document ID:	NJA0365286
Manifest Status:	Completed copy
Trans1 State ID:	S10331
Trans2 State ID:	Not reported
Generator Ship Date:	890419
Trans1 Recv Date:	890419
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890420
Part A Recv Date:	890424
Part B Recv Date:	890427
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	ILD099202681
Trans2 EPA ID:	Not reported
TSDF ID:	NJD089216790
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00300
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	89

Document ID:	NYB5376285
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported
Generator Ship Date:	930609
Trans1 Recv Date:	930609
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930609
Part A Recv Date:	930622
Part B Recv Date:	930712
Generator EPA ID:	NYD061200812
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00330
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	110
Year:	93

GREENSPAN & KUSHLIN ENGRAVIN (Continued) **1000208534**

Click this hyperlink while viewing on your computer to access
34 additional NY_MANIFEST: record(s) in the EDR Site Report.

O132 **LYNN ART** **RCRA NonGen / NLR** **1000872404**
SE **333 HUDSON ST - 8TH FLOOR** **FINDS** **NYD987036175**
1/8-1/4 **NEW YORK, NY 10013**
0.206 mi.
1086 ft. **Site 7 of 13 in cluster O**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	LYNN ART
Facility address:	333 HUDSON ST - 8TH FLOOR NEW YORK, NY 100131006
EPA ID:	NYD987036175
Mailing address:	HUDSON ST - 8TH FLOOR NEW YORK, NY 10013
Contact:	Not reported
Contact address:	HUDSON ST - 8TH FLOOR NEW YORK, NY 10013
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	LYNN ART
Owner/operator address:	333 HUDSON ST - 8TH FLOOR NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 675-7065
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	LYNN ART
Owner/operator address:	333 HUDSON ST - 8TH FLOOR NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 675-7065
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

LYNN ART (Continued) **1000872404**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: LYNN ART
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: LYNN ART
Classification: Not a generator, verified

Date form received by agency: 05/25/1993
Facility name: LYNN ART
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004506026

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O133 **GERSON OFFSET LITHOGRAPHY INC** **RCRA NonGen / NLR** **1000553301**
SE **333 HUDSON ST 2ND FLR** **FINDS** **NYD986957165**
1/8-1/4 **NEW YORK, NY 10013**
0.206 mi.
1086 ft. **Site 8 of 13 in cluster O**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: GERSON OFFSET LITHOGRAPHY INC
Facility address: 333 HUDSON ST 2ND FLR
NEW YORK, NY 10013
EPA ID: NYD986957165
Mailing address: HUDSON ST 2ND FLR
NEW YORK, NY 10013
Contact: Not reported
Contact address: HUDSON ST 2ND FLR
NEW YORK, NY 10013
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02

GERSON OFFSET LITHOGRAPHY INC (Continued) **1000553301**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: STEVEN GERSON
Owner/operator address: 333 HUDSON ST
NEW YORK, NY 10013
Owner/operator country: US
Owner/operator telephone: (212) 924-5910
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: STEVEN GERSON
Owner/operator address: 333 HUDSON ST
NEW YORK, NY 10013
Owner/operator country: US
Owner/operator telephone: (212) 924-5910
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: GERSON OFFSET LITHOGRAPHY INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: GERSON OFFSET LITHOGRAPHY INC
Classification: Not a generator, verified

Date form received by agency: 05/23/1991
Facility name: GERSON OFFSET LITHOGRAPHY INC
Classification: Small Quantity Generator

Violation Status: No violations found

GERSON OFFSET LITHOGRAPHY INC (Continued) **1000553301**

FINDS:

Registry ID: 110004469245

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

U134 **537 GREENWICH STREET** **NY AST** **A100292511**
SSE **537 GREENWICH STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.207 mi.
1091 ft. **Site 1 of 4 in cluster U**

Relative:
Higher

Actual:
11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-607414
Program Type:	PBS
UTM X:	583700.93865999999
UTM Y:	4508916.6898100004
Expiration Date:	2016/01/01

Affiliation Records:

Site Id:	29267
Affiliation Type:	Mail Contact
Company Name:	GREENWICH 537 LLC C/O STUART MINTON
Contact Type:	MANAGING MEMBER
Contact Name:	STUART MINTON
Address1:	PO BOX 545
Address2:	Not reported
City:	KINDERHOOK
State:	NY
Zip Code:	12106
Country Code:	001
Phone:	(518) 758-6505
Phone Ext:	Not reported
Email:	MINTON@MINCOMEMAIL.COM
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	10/21/2010

Site Id:	29267
Affiliation Type:	On-Site Operator
Company Name:	537 GREENWICH STREET
Contact Type:	Not reported
Contact Name:	ALEX PADUA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

537 GREENWICH STREET (Continued) **A100292511**

Country Code:	001
Phone:	(917) 329-0082
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	10/21/2010

Site Id:	29267
Affiliation Type:	Emergency Contact
Company Name:	STUART MINTON JR, TRUSTEE
Contact Type:	Not reported
Contact Name:	STUART MINTON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 595-6887
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	29267
Affiliation Type:	Owner
Company Name:	GREENWICH 537 LLC C/O STUART MINTON
Contact Type:	MANAGING MEMBER
Contact Name:	STUART MINTON
Address1:	PO BOX 545
Address2:	Not reported
City:	KINDERHOOK
State:	NY
Zip Code:	12106
Country Code:	001
Phone:	(518) 758-6505
Phone Ext:	Not reported
Email:	MINTON@MINCOMEMAIL.COM
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	10/21/2010

Tank Info:

Tank Number:	001
Tank Id:	62913

Equipment Records:

F06 - Pipe External Protection - Wrapped
G00 - Tank Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground

537 GREENWICH STREET (Continued) **A100292511**

I99 - Overfill - Other
B05 - Tank External Protection - Jacketed
K00 - Spill Prevention - None
L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1975
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	BVCAMPBE
Last Modified:	10/21/2010

O135 **350 HUDSON ST** **NY AST** **U003385789**
SE **350 HUDSON ST** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.209 mi.
1101 ft. **Site 9 of 13 in cluster O**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-158941
Program Type:	PBS
UTM X:	583873.48433999997
UTM Y:	4508991.4815600002
Expiration Date:	2017/06/05

Affiliation Records:

Site Id:	5348
Affiliation Type:	Owner
Company Name:	RECTOR CHURCH WARDENS & VESTRYMEN OF TRINITY
Contact Type:	AVP OF PROPERTY MANAGEMENT
Contact Name:	PETER A. ST. JOHN
Address1:	74 TRINITY PLACE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 602-0854
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/2/2012

Site Id:	5348
Affiliation Type:	Mail Contact

350 HUDSON ST (Continued) **U003385789**

Company Name:	TRINITY REAL ESTATE
Contact Type:	Not reported
Contact Name:	PETER A. ST. JOHN
Address1:	75 VARICK STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 613-9421
Phone Ext:	Not reported
Email:	PSTJOHN@TRINITYWALLSTREET.ORG
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/2/2012

Site Id:	5348
Affiliation Type:	On-Site Operator
Company Name:	350 HUDSON ST
Contact Type:	Not reported
Contact Name:	RICHARD MAYERS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 319-5780
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/2/2012

Site Id:	5348
Affiliation Type:	Emergency Contact
Company Name:	RECTOR CHURCH WARDENS & VESTRYMEN OF TRINITY
Contact Type:	Not reported
Contact Name:	RICHARD MAYERS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 319-5780
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/2/2012

Tank Info:

Tank Number:	001
Tank Id:	8557

350 HUDSON ST (Continued) **U003385789**

Equipment Records:

C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
E10 - Piping Secondary Containment - Impervious Underlayment
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	03/01/1987
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	07/02/2012

Tank Number:	002
Tank Id:	8558

Equipment Records:

C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
E10 - Piping Secondary Containment - Impervious Underlayment
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	03/01/1978
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True

350 HUDSON ST (Continued) **U003385789**

Modified By: DMMOLOUG
Last Modified: 07/02/2012

HIST AST:

PBS Number:	2-158941
SWIS Code:	6201
Operator:	STEVEN STAHL
Facility Phone:	(212) 924-2378
Facility Addr2:	350 HUDSON ST
Facility Type:	Not reported
Emergency:	STEVEN STAHL
Emergency Tel:	(718) 386-5121
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	RECTOR CHURCHWARDENS & VESTKYMEN OF TRINITY CHURCH
Owner Address:	74 TRINITY PLACE
Owner City,St,Zip:	NEW YORK, NY 10006
Federal ID:	Not reported
Owner Tel:	(212) 602-0854
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	RECTOR CHURCHWARDENS
Mailing Address:	74 TRINITY PL
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10006
Mailing Telephone:	(212) 602-0854
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/31/1997
Expiration:	06/05/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	10000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel

350 HUDSON ST (Continued) **U003385789**

Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	002
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19780301
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

Q136
North
1/8-1/4
0.209 mi.
1104 ft.

399 WEST ST
NEW YORK, NY 10014

Site 3 of 6 in cluster Q

EDR US Hist Auto Stat **1015466718**
N/A

Relative:
Lower

Actual:
5 ft.

EDR Historical Auto Stations:

Name:	EUROPA CUSTOM MOTORS
Year:	2001
Address:	399 WEST ST
Name:	EUROPA CUSTOM MOTORS
Year:	2010
Address:	399 WEST ST

P137
NE
1/8-1/4
0.212 mi.
1120 ft.

CON EDISON
483 HUDSON ST
NEW YORK, NY 10014

Site 6 of 8 in cluster P

RCRA-CESQG **1014395616**
NYP004170817

Relative:
Higher

Actual:
18 ft.

RCRA-CESQG:

Date form received by agency:	06/03/2009
Facility name:	CON EDISON
Facility address:	483 HUDSON ST NEW YORK, NY 10014
EPA ID:	NYP004170817
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	HERMAN BAKER
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(718) 267-3853
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CON EDISON (Continued) **1014395616**

On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

R138 **47-49 MORTON STREET** **NY AST** **U003388824**
ENE **47-49 MORTON STREET** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10018**
0.214 mi.
1128 ft. **Site 3 of 5 in cluster R**

Relative:
Higher

Actual:
17 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-281492
Program Type:	PBS
UTM X:	583977.85959000001
UTM Y:	4509415.2575099999
Expiration Date:	2017/07/14

Affiliation Records:

Site Id:	12345
Affiliation Type:	Owner
Company Name:	47-49 MORTON ST CORP
Contact Type:	AGENT
Contact Name:	CARL BORENSTEIN
Address1:	47-49 MORTON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 799-2365
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/10/2008

Site Id:	12345
Affiliation Type:	Mail Contact
Company Name:	47-49 MORTON STREET CORP.
Contact Type:	Not reported
Contact Name:	CARL BORENSTEIN
Address1:	VERITAS PROPERTY MGMT LLC
Address2:	180 WEST 80TH ST., SUITE 218
City:	NEW YORK
State:	NY
Zip Code:	10024
Country Code:	001
Phone:	(212) 799-2365

47-49 MORTON STREET (Continued) **U003388824**

Phone Ext:	Not reported
Email:	CARL@VERITASMANAGEMENT.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	7/31/2009

Site Id:	12345
Affiliation Type:	On-Site Operator
Company Name:	47-49 MORTON STREET
Contact Type:	Not reported
Contact Name:	JOSEPH RENAU
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 645-4658
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12345
Affiliation Type:	Emergency Contact
Company Name:	47-49 MORTON ST CORP
Contact Type:	Not reported
Contact Name:	CARL BORENSTEIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 799-2365
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/10/2008

Tank Info:

Tank Number:	001
Tank Id:	14712

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron

47-49 MORTON STREET (Continued) **U003388824**

A00 - Tank Internal Protection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	05/15/1961
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/01/2007
Register:	True
Modified By:	NRLOMBAR
Last Modified:	01/29/2008

Tank Number:	002
Tank Id:	221426

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I05 - Overfill - Vent Whistle
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction
G02 - Tank Secondary Containment - Vault (w/access)
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/15/2007
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	01/29/2008

HIST AST:

PBS Number:	2-281492
SWIS Code:	6201
Operator:	JOSEPH RENAU
Facility Phone:	(212) 645-4658
Facility Addr2:	Not reported
Facility Type:	APARTMENT BUILDING
Emergency:	CARL BORENSTEIN
Emergency Tel:	(914) 237-1600
Old PBSNO:	Not reported

47-49 MORTON STREET (Continued) **U003388824**

Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	47-49 MORTON ST CORP
Owner Address:	47-49 MORTON STREET
Owner City,St,Zip:	NEW YORK, NY 10014
Federal ID:	Not reported
Owner Tel:	(914) 237-1600
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	CARL BORENSTEIN
Mailing Name:	47-49 MORTON STREET CORPORATION
Mailing Address:	C/O HSC MANAGEMENT CORPORATION
Mailing Address 2:	850 BRONX RIVER ROAD
Mailing City,St,Zip:	YONKERS, NY 10708
Mailing Telephone:	(914) 237-1600
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/03/1997
Expiration:	07/14/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing

47-49 MORTON STREET (Continued) **U003388824**

Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
SPDES Number: Not reported
Lat/Long: Not reported

T139 **EDR US Hist Cleaners** **1015085977**
NE **666 GREENWICH ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.215 mi.
1137 ft. **Site 2 of 12 in cluster T**

Relative:
Higher

Actual:
18 ft.

EDR Historical Cleaners:
Name: ARCHIVE CLEANERS
Year: 2010
Address: 666 GREENWICH ST

T140 **NEW ARCHIVE CLEANERS** **RCRA NonGen / NLR** **1001090208**
NE **666 GREENWICH ST** **FINDS** **NYR000020453**
1/8-1/4 **NEW YORK, NY 10014**
0.215 mi.
1137 ft. **Site 3 of 12 in cluster T**

Relative:
Higher

Actual:
18 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NEW ARCHIVE CLEANERS
Facility address: 666 GREENWICH ST
NEW YORK, NY 10014
EPA ID: NYR000020453
Mailing address: GREENWICH ST
NEW YORK, NY 10014
Contact: Not reported
Contact address: GREENWICH ST
NEW YORK, NY 10014
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: SYED JAFRI
Owner/operator address: 666-668 GREENWICH ST
NEW YORK, NY 10014
Owner/operator country: US
Owner/operator telephone: (212) 989-1013
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SYED JAFRI
Owner/operator address: 666-668 GREENWICH ST
NEW YORK, NY 10014

NEW ARCHIVE CLEANERS (Continued) **1001090208**

Owner/operator country: US
Owner/operator telephone: (212) 989-1013
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NEW ARCHIVE CLEANERS
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: NEW ARCHIVE CLEANERS
Classification: Not a generator, verified

Date form received by agency: 03/04/1996
Facility name: NEW ARCHIVE CLEANERS
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004522829

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Q141 **EDR US Hist Auto Stat** **1015468887**
North **400 WEST ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.216 mi.
1140 ft. **Site 4 of 6 in cluster Q**

Relative:
Lower

Actual:
5 ft.

EDR Historical Auto Stations:

Name: GREENWICH AUTO DIAGNOSTICS
Year: 1999
Address: 400 WEST ST

Name: AUTO RESCUE TOWING & RECOVERY INCORPORATED
Year: 2000
Address: 400 WEST ST

Name: GREENWICH AUTO DIAGNOSTICS
Year: 2001
Address: 400 WEST ST

Name: GALAXY AUTOMOTIVE INC
Year: 2002
Address: 400 WEST ST

Name: GREENWICH AUTO DIAGNOSTICS
Year: 2003
Address: 400 WEST ST

Name: GALAXY AUTOMOTIVE INC
Year: 2004
Address: 400 WEST ST

Name: GALAXY AUTOMOTIVE
Year: 2007
Address: 400 WEST ST

Name: GALAXY AUTOMOTIVE
Year: 2008
Address: 400 WEST ST

Name: GALAXY AUTOMOTIVE INC
Year: 2009
Address: 400 WEST ST

Q142 **TOSCHA AUTO REPAIR** **RCRA NonGen / NLR** **1000552556**
North **400 WEST ST** **FINDS** **NYD986949550**
1/8-1/4 **NEW YORK, NY 10014**
0.216 mi.
1140 ft. **Site 5 of 6 in cluster Q**

Relative:
Lower

Actual:
5 ft.

RCRA NonGen / NLR:

Date form received by agency: 01/01/2007
Facility name: TOSCHA AUTO REPAIR
Facility address: 400 WEST ST
NEW YORK, NY 10014
EPA ID: NYD986949550
Mailing address: UNKNOWN
NEW YORK, NY 10014
Contact: Not reported
Contact address: UNKNOWN
NEW YORK, NY 10014

TOSCHA AUTO REPAIR (Continued) **1000552556**

Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: TOSCHA AUTO REPAIR
Classification: Not a generator, verified

Date form received by agency: 12/31/1979
Facility name: TOSCHA AUTO REPAIR
Classification: Unverified

TOSCHA AUTO REPAIR (Continued) **1000552556**

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	03/15/1991
Date achieved compliance:	09/25/1996
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	07/26/1991
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Regulation violated:	Not reported
Area of violation:	Generators - General
Date violation determined:	03/15/1991
Date achieved compliance:	09/25/1996
Violation lead agency:	State
Enforcement action:	WRITTEN INFORMAL
Enforcement action date:	04/04/1991
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	State
Proposed penalty amount:	Not reported
Final penalty amount:	Not reported
Paid penalty amount:	Not reported

Evaluation Action Summary:

Evaluation date:	09/25/1996
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State

Evaluation date:	03/15/1991
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	09/25/1996
Evaluation lead agency:	State

FINDS:

Registry ID: 110004465150

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

O143 SE 1/8-1/4 0.216 mi. 1141 ft. | **CBS RADIO**
345 HUDSON STREET
NEW YORK, NY 10014 | **NY AST** | **A100326254**
N/A

Site 10 of 13 in cluster O

Relative: Higher

Actual: 15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-158976
Program Type:	PBS
UTM X:	583861.22887999995
UTM Y:	4508992.23104
Expiration Date:	2017/06/05

Affiliation Records:

Site Id:	5350
Affiliation Type:	Owner
Company Name:	RECTOR CHURCH WARDENS AND VESTRYMEN OF TRINITY
Contact Type:	AVP OF PROPERTY MANAGEMENT
Contact Name:	PETER A. ST. JOHN
Address1:	74 TRINITY PLACE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 602-0854
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/2/2012

Site Id:	5350
Affiliation Type:	Mail Contact
Company Name:	TRINITY REAL ESTATE
Contact Type:	Not reported
Contact Name:	PETER A. ST. JOHN
Address1:	75 VARICK STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 613-9421
Phone Ext:	Not reported
Email:	PSTJOHN@TRINITYWALLSTREET.ORG
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/2/2012

Site Id:	5350
Affiliation Type:	On-Site Operator
Company Name:	345 HUDSON ST
Contact Type:	Not reported
Contact Name:	ANTE PALEKA
Address1:	Not reported
Address2:	Not reported

CBS RADIO (Continued) **A100326254**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-0565
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/2/2012

Site Id:	5350
Affiliation Type:	Emergency Contact
Company Name:	RECTOR CHURCH WARDENS AND VESTRYMEN OF TRINITY
Contact Type:	Not reported
Contact Name:	ANTE PALEKA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 924-0565
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/2/2012

Tank Info:

Tank Number:	001
Tank Id:	8559

Equipment Records:

E10 - Piping Secondary Containment - Impervious Underlayment
K00 - Spill Prevention - None
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/15/1997
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

CBS RADIO (Continued) **A100326254**

Date Tank Closed: Not reported
Register: True
Modified By: DMMOLOUG
Last Modified: 07/02/2012

Tank Number: 001
Tank Id: 227286

Equipment Records:

A00 - Tank Internal Protection - None
B99 - Tank External Protection - Other
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
E09 - Piping Secondary Containment - Modified Double-Walled (Aboveground)
H99 - Tank Leak Detection - Other
J00 - Dispenser - None
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
F99 - Pipe External Protection - Other
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 06/30/2008
Capacity Gallons: 2000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 02/10/2009

Tank Number: 002
Tank Id: 227287

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K99 - Spill Prevention - Other
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other
J00 - Dispenser - None
F99 - Pipe External Protection - Other
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
B01 - Tank External Protection - Painted/Asphalt Coating
E09 - Piping Secondary Containment - Modified Double-Walled (Aboveground)

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron

CBS RADIO (Continued) **A100326254**

Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/30/2008
Capacity Gallons:	200
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	02/10/2009

Tank Number:	002
Tank Id:	244615

Equipment Records:

C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
E10 - Piping Secondary Containment - Impervious Underlayment
I02 - Overfill - High Level Alarm
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/01/2008
Capacity Gallons:	2500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	07/02/2012

Affiliation Records:

Site Id:	409859
Affiliation Type:	Owner
Company Name:	CBS RADIO
Contact Type:	PROJECT MGR
Contact Name:	CHRISTIAN JANECKA
Address1:	345 HUDSON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001

CBS RADIO (Continued) **A100326254**

Phone:	(212) 242-6190
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/10/2009

Site Id:	409859
Affiliation Type:	Mail Contact
Company Name:	CBS RADIO
Contact Type:	PROJECT MGR
Contact Name:	CHRISTIAN JANECKA
Address1:	345 HUDSON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 242-6190
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/10/2009

Site Id:	409859
Affiliation Type:	On-Site Operator
Company Name:	CBS RADIO
Contact Type:	Not reported
Contact Name:	CBS RADIO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 242-6190
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/10/2009

Site Id:	409859
Affiliation Type:	Emergency Contact
Company Name:	CBS RADIO
Contact Type:	Not reported
Contact Name:	MR MARK OLKOWSKI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 772-9785
Phone Ext:	Not reported
Email:	Not reported

CBS RADIO (Continued) **A100326254**

Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 2/10/2009

Tank Info:

Tank Number: 001
Tank Id: 8559

Equipment Records:

E10 - Piping Secondary Containment - Impervious Underlayment
K00 - Spill Prevention - None
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 05/15/1997
Capacity Gallons: 20000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: DMMOLOUG
Last Modified: 07/02/2012

Tank Number: 001
Tank Id: 227286

Equipment Records:

A00 - Tank Internal Protection - None
B99 - Tank External Protection - Other
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
E09 - Piping Secondary Containment - Modified Double-Walled (Aboveground)
H99 - Tank Leak Detection - Other
J00 - Dispenser - None
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
F99 - Pipe External Protection - Other
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service

CBS RADIO (Continued) **A100326254**

Pipe Model: Not reported
Install Date: 06/30/2008
Capacity Gallons: 2000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 02/10/2009

Tank Number: 002
Tank Id: 227287

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K99 - Spill Prevention - Other
H00 - Tank Leak Detection - None
C02 - Pipe Location - Underground/On-ground
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other
J00 - Dispenser - None
F99 - Pipe External Protection - Other
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
B01 - Tank External Protection - Painted/Asphalt Coating
E09 - Piping Secondary Containment - Modified Double-Walled (Aboveground)

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 06/30/2008
Capacity Gallons: 200
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: MSBAPTIS
Last Modified: 02/10/2009

Tank Number: 002
Tank Id: 244615

Equipment Records:

C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating

CBS RADIO (Continued) **A100326254**

I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
E10 - Piping Secondary Containment - Impervious Underlayment
I02 - Overfill - High Level Alarm
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/01/2008
Capacity Gallons:	2500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	07/02/2012

O144 **PARISH OF TRINITY CHURCH** **RCRA NonGen / NLR** **1004760482**
SE **345 HUDSON ST** **FINDS** **NYR000046490**
1/8-1/4 **NEW YORK, NY 10014** **NY MANIFEST**
0.216 mi.
1141 ft. **Site 11 of 13 in cluster O**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	PARISH OF TRINITY CHURCH
Facility address:	345 HUDSON ST NEW YORK, NY 10014
EPA ID:	NYR000046490
Mailing address:	HUDSON ST NEW YORK, NY 10014
Contact:	KEVIN DEEHAN
Contact address:	HUDSON ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 924-0565
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PARISH OF TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0789
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	PARISH OF TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006

PARISH OF TRINITY CHURCH (Continued) **1004760482**

Owner/operator country: US
Owner/operator telephone: (212) 602-0789
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: PARISH OF TRINITY CHURCH
Classification: Not a generator, verified

Date form received by agency: 11/03/1997
Facility name: PARISH OF TRINITY CHURCH
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110009486350

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD986985281
Country: USA
Mailing Name: BOWNE BUSINESS COMM
Mailing Contact: JEFF SMITH
Mailing Address: 345 HUDSON STREET
Mailing Address 2: Not reported
Mailing City: NEW YORK

PARISH OF TRINITY CHURCH (Continued) **1004760482**

Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-924-5500

Document ID:	NJA3017717
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/18/1999
Trans1 Recv Date:	01/18/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/18/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000046490
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	83375
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NJA2786037
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	ES5811
Trans2 State ID:	Not reported
Generator Ship Date:	971118
Trans1 Recv Date:	971118
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971118
Part A Recv Date:	971202
Part B Recv Date:	971216
Generator EPA ID:	NYR000046490
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels

PARISH OF TRINITY CHURCH (Continued) **1004760482**

Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

Document ID:	NJA2786036
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	ES5811
Trans2 State ID:	Not reported
Generator Ship Date:	971118
Trans1 Recv Date:	971118
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971118
Part A Recv Date:	971202
Part B Recv Date:	971216
Generator EPA ID:	NYR000046490
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

EPA ID:	NYD046172797
Country:	USA
Mailing Name:	BOWNE OF NEW YORK
Mailing Contact:	JOHN RIORDAN
Mailing Address:	345 HUDSON STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-924-5600

Document ID:	NJA3017717
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/18/1999
Trans1 Recv Date:	01/18/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/18/1999

PARISH OF TRINITY CHURCH (Continued) **1004760482**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000046490
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	83375
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NJA2786037
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	ES5811
Trans2 State ID:	Not reported
Generator Ship Date:	971118
Trans1 Recv Date:	971118
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971118
Part A Recv Date:	971202
Part B Recv Date:	971216
Generator EPA ID:	NYR000046490
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

Document ID:	NJA2786036
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	ES5811
Trans2 State ID:	Not reported
Generator Ship Date:	971118
Trans1 Recv Date:	971118
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971118
Part A Recv Date:	971202
Part B Recv Date:	971216

PARISH OF TRINITY CHURCH (Continued) **1004760482**

Generator EPA ID:	NYR000046490
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

EPA ID:	NYR000046490
Country:	USA
Mailing Name:	PARISH OF TRINITY CHURCH
Mailing Contact:	KEVIN DEEHAN
Mailing Address:	345 HUDSON ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-924-0565

Document ID:	NJA3017717
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/18/1999
Trans1 Recv Date:	01/18/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/18/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000046490
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	83375
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00030

PARISH OF TRINITY CHURCH (Continued) **1004760482**

Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	99

Document ID:	NJA2786037
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	ES5811
Trans2 State ID:	Not reported
Generator Ship Date:	971118
Trans1 Recv Date:	971118
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971118
Part A Recv Date:	971202
Part B Recv Date:	971216
Generator EPA ID:	NYR000046490
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

Document ID:	NJA2786036
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	ES5811
Trans2 State ID:	Not reported
Generator Ship Date:	971118
Trans1 Recv Date:	971118
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	971118
Part A Recv Date:	971202
Part B Recv Date:	971216
Generator EPA ID:	NYR000046490
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001

PARISH OF TRINITY CHURCH (Continued) **1004760482**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	97

O145 SE 1/8-1/4 0.216 mi. 1141 ft. | **BOWNE OF NYC INC - 345 HUDSON STREET** | **RCRA NonGen / NLR** | **1000546888**
345 HUDSON STREET | **FINDS** | **NYD046172797**
NEW YORK, NY 10014 | **US AIRS**

Site 12 of 13 in cluster O

Relative: Higher

Actual: 15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	BOWNE OF NEW YORK CITY INC
Facility address:	345 HUDSON ST - 10TH FL NEW YORK, NY 100144502
EPA ID:	NYD046172797
Mailing address:	HUDSON ST - 10TH FL NEW YORK, NY 100144589
Contact:	Not reported
Contact address:	HUDSON ST - 10TH FL NEW YORK, NY 100144589
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BOWNE & CO INC
Owner/operator address:	345 HUDSON ST NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 924-5500
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	BOWNE & CO INC
Owner/operator address:	345 HUDSON ST NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 924-5500
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

BOWNE OF NYC INC - 345 HUDSON STREET (Continued) **1000546888**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: BOWNE OF NEW YORK CITY INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: BOWNE OF NEW YORK CITY INC
Classification: Not a generator, verified

Date form received by agency: 10/08/1991
Facility name: BOWNE OF NEW YORK CITY INC
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 11/03/1995
Date achieved compliance: 04/23/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/02/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/03/1995
Date achieved compliance: 04/27/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 11/03/1995

BOWNE OF NYC INC - 345 HUDSON STREET (Continued) **1000546888**

Date achieved compliance: 04/23/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/03/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/03/1995
Date achieved compliance: 04/27/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/02/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/12/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/23/1996
Evaluation lead agency: State

Evaluation date: 10/12/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/27/1996
Evaluation lead agency: State

FINDS:

Registry ID: 110004356303

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

BOWNE OF NYC INC - 345 HUDSON STREET (Continued) **1000546888**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AIRS (AFS):

Airs Minor Details:

EPA plant ID:	110004356303
Plant name:	BOWNE OF NYC INC - 345 HUDSON STREET
Plant address:	345 HUDSON STREET NEW YORK, NY 10014
County:	NEW YORK
Region code:	02
Dunn & Bradst #:	Not reported
Air quality cntrl region:	043
Sic code:	2761
Sic code desc:	MANIFOLD BUSINESS FORMS
North Am. industrial classf:	323116
NAIC code description:	Manifold Business Forms Printing
Default compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification:	POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Historical Compliance Minor Sources:

State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	0904
Air prog code hist file:	F
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1002
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1003
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1004
Air prog code hist file:	F
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1101
Air prog code hist file:	F
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1103
Air prog code hist file:	0

BOWNE OF NYC INC - 345 HUDSON STREET (Continued) **1000546888**

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: F

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: F

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 0904
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: F

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: F

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: F

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: F

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: F

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: F

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

BOWNE OF NYC INC - 345 HUDSON STREET (Continued) **1000546888**

Hist compliance date: 1201
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: F

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: DEFAULT POLLUTANT FROM CDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: Not reported
Plant air program pollutant: DEFAULT POLLUTANT FROM CDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

O146 **BOWNE BUSINESS COMMUNICATIONS** **RCRA NonGen / NLR** **1000555979**
SE **345 HUDSON ST 3RD FL** **NYD986985281**
1/8-1/4 **NEW YORK, NY 10014**
0.216 mi.
1141 ft. **Site 13 of 13 in cluster O**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: BOWNE BUSINESS COMMUNICATIONS
Facility address: 345 HUDSON ST 3RD FL
NEW YORK, NY 100144502
EPA ID: NYD986985281
Mailing address: HUDSON ST 3RD FL
NEW YORK, NY 100144589
Contact: Not reported
Contact address: HUDSON ST 3RD FL
NEW YORK, NY 100144589
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

BOWNE BUSINESS COMMUNICATIONS (Continued) **1000555979**

Owner/Operator Summary:

Owner/operator name:	BOWNE & CO INC
Owner/operator address:	345 HUDSON ST NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 924-5500
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	BOWNE & CO INC
Owner/operator address:	345 HUDSON ST NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 924-5500
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	BOWNE BUSINESS COMMUNICATIONS
Classification:	Not a generator, verified

Date form received by agency:	07/08/1999
Facility name:	BOWNE BUSINESS COMMUNICATIONS
Classification:	Not a generator, verified

Date form received by agency:	01/08/1992
Facility name:	BOWNE BUSINESS COMMUNICATIONS
Classification:	Small Quantity Generator

Violation Status: No violations found

T147
NE
1/8-1/4
0.217 mi.
1145 ft.

NEW ARCHIVE/GREAT AMRICN DRYCLS
668 GREENWICH STREET
NEW YORK, NY 10014

NY DRYCLEANERS **S110247393**
N/A

Site 4 of 12 in cluster T

Relative:
Higher

Actual:
18 ft.

DRYCLEANERS:

Facility ID:	2-6205-00388
Phone Number:	Not reported
Region:	2
Registration Effective Date:	N/A
Inspection Date:	03OCT22
Install Date:	Not reported
Drop Shop:	Y
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	DROP SHOP

V148
NNE
1/8-1/4
0.217 mi.
1148 ft.

666 WASHINGTON ST
NEW YORK, NY 10014

EDR US Hist Auto Stat **1015595236**
N/A

Site 1 of 6 in cluster V

Relative:
Higher

Actual:
14 ft.

EDR Historical Auto Stations:

Name:	AUTO REPAIR 24 HR CTR
Year:	2003
Address:	666 WASHINGTON ST
Name:	AUTO REPAIR 24 HR CTR
Year:	2004
Address:	666 WASHINGTON ST
Name:	AUTO REPAIR 24 HOUR CTR
Year:	2010
Address:	666 WASHINGTON ST
Name:	AUTO REPAIR 24 HR CENTER
Year:	2011
Address:	666 WASHINGTON ST
Name:	AUTO REPAIR 24 HR CENTER
Year:	2012
Address:	666 WASHINGTON ST

V149
NNE
1/8-1/4
0.218 mi.
1152 ft.

DOVER AUTO BODY
296 W 10TH ST
NEW YORK, NY 10014

RCRA NonGen / NLR **1000209774**
FINDS **NYD086891926**
NY MANIFEST

Site 2 of 6 in cluster V

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	DOVER AUTO BODY
Facility address:	296 W 10TH ST NEW YORK, NY 10014
EPA ID:	NYD086891926
Mailing address:	W 10TH ST

DOVER AUTO BODY (Continued) **1000209774**

	NEW YORK, NY 10014
Contact:	Not reported
Contact address:	W 10TH ST
	NEW YORK, NY 10014
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DOVER ASSOCIATES
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	DOVER ASSOCIATES
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	DOVER AUTO BODY
Classification:	Not a generator, verified

Date form received by agency:	07/08/1999
Facility name:	DOVER AUTO BODY

DOVER AUTO BODY (Continued) **1000209774**

Classification: Not a generator, verified

Date form received by agency: 04/16/1987
Facility name: DOVER AUTO BODY
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004373188

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD086891926
Country: USA
Mailing Name: DOVER AUTO BODY
Mailing Contact: DOVER AUTO BODY
Mailing Address: 296 WEST 10TH ST
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10014
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-243-9476

Document ID: NJA0628001
Manifest Status: Completed copy
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 890517
Trans1 Recv Date: 890517
Trans2 Recv Date: Not reported
TSD Site Recv Date: 890518
Part A Recv Date: 890526
Part B Recv Date: 890605
Generator EPA ID: NYD086891926
Trans1 EPA ID: NJD980787147
Trans2 EPA ID: Not reported
TSDF ID: NJD002454544
Waste Code: F005 - UNKNOWN
Quantity: 00035
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100

DOVER AUTO BODY (Continued) **1000209774**

Year:	89

Document ID:	NJA0386139
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS-10
Trans2 State ID:	Not reported
Generator Ship Date:	880404
Trans1 Recv Date:	880404
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880405
Part A Recv Date:	880408
Part B Recv Date:	880413
Generator EPA ID:	NYD086891926
Trans1 EPA ID:	NJD980787147
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F005 - UNKNOWN
Quantity:	00010
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	88

T150 **EDR US Hist Cleaners** **1015086196**
NE **670 GREENWICH ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.219 mi.
1154 ft. **Site 5 of 12 in cluster T**

Relative:
Higher

Actual:
18 ft.

EDR Historical Cleaners:

Name:	NEW ARCHIVE CLEANERS
Year:	1999
Address:	670 GREENWICH ST

Name:	NEW ARCHIVE CLEANERS
Year:	2000
Address:	670 GREENWICH ST

Name:	NEW ARCHIVE CLEANERS
Year:	2006
Address:	670 GREENWICH ST

Name:	ARCHIVE CLEANERS
Year:	2011
Address:	670 GREENWICH ST

Name:	ARCHIVE CLEANERS
Year:	2012
Address:	670 GREENWICH ST

W151 NE 1/8-1/4 0.219 mi. 1156 ft. | **2 GROVE ST AKA 482 HUDSON ST**
2 GROVE ST
NEW YORK, NY 10014

NY AST | **U003389481**
NY HIST AST | **N/A**

Site 1 of 9 in cluster W

Relative: Higher

Actual: 18 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-117617
Program Type:	PBS
UTM X:	583936.36644000001
UTM Y:	4509532.2994200001
Expiration Date:	2017/07/20

Affiliation Records:

Site Id:	4019
Affiliation Type:	Owner
Company Name:	2 GROVE ST APTS CORP % GENERAL PROPERTY MGMT.
Contact Type:	AGENT
Contact Name:	RUTH SHOENTHAL
Address1:	250 WEST 57TH STREET #2332
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10107
Country Code:	001
Phone:	(212) 757-5180
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	8/21/2007

Site Id:	4019
Affiliation Type:	Mail Contact
Company Name:	GENERAL PROPERTY MANAGEMENT
Contact Type:	Not reported
Contact Name:	RUTH SHOENTHAL, PROP MGR
Address1:	250 WEST 57TH STREET
Address2:	#2332
City:	NEW YORK
State:	NY
Zip Code:	10107
Country Code:	001
Phone:	(212) 757-5180
Phone Ext:	Not reported
Email:	RUTH@GENERALPROPERTY.COM
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	8/21/2007

Site Id:	4019
Affiliation Type:	On-Site Operator
Company Name:	2 GROVE ST AKA 482 HUDSON ST
Contact Type:	Not reported
Contact Name:	2 GROVE ST. APTS. CORP.
Address1:	Not reported
Address2:	Not reported

2 GROVE ST AKA 482 HUDSON ST (Continued) **U003389481**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 757-5180
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	4019
Affiliation Type:	Emergency Contact
Company Name:	2 GROVE ST APTS CORP % GENERAL PROPERTY MGMT.
Contact Type:	Not reported
Contact Name:	VINCENT CONLON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 966-8560
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	8/21/2007

Tank Info:

Tank Number:	001
Tank Id:	16777

Equipment Records:

B00 - Tank External Protection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1940
Capacity Gallons:	3400
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported

2 GROVE ST AKA 482 HUDSON ST (Continued) **U003389481**

Register:	True
Modified By:	KAKYER
Last Modified:	05/18/2012

HIST AST:

PBS Number:	2-117617
SWIS Code:	6201
Operator:	2 GROVE ST APTS. COR.
Facility Phone:	(212) 757-5180
Facility Addr2:	2 GROVE ST
Facility Type:	Not reported
Emergency:	DAVID GRIMES
Emergency Tel:	(212) 929-2138
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	2 GROVE ST APTS CORP. C/O GENERAL PROPERTY MGMT.
Owner Address:	250 WEST 57TH STREET #2332
Owner City,St,Zip:	NEW YORK, NY 10107
Federal ID:	Not reported
Owner Tel:	(212) 757-5180
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	RUTH SHOENTHAL
Mailing Name:	GENERAL PROPERTY MANAGEMENT
Mailing Address:	250 WEST 57TH STREET #2332
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10107
Mailing Telephone:	(212) 757-5180
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	05/07/1998
Expiration:	07/20/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL

2 GROVE ST AKA 482 HUDSON ST (Continued) **U003389481**

Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

X152 **APT BUILDING** **NY LTANKS** **S110611355**
SE **98 CHARLTON ST** **N/A**
1/8-1/4 **NEW YORK, NY**
0.219 mi.
1158 ft. **Site 1 of 7 in cluster X**

Relative:
Higher

Actual:
15 ft.

LTANKS:

Site ID:	441668
Spill No:	1008195
Spill Date:	11/3/2010
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	3/31/2011
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	11/4/2010
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/4/2010
Spill Record Last Update:	3/31/2011
Spiller Name:	Not reported
Spiller Company:	APT BUILDING
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	UNKNOWN

APT BUILDING (Continued) **S110611355**

Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	396698
DEC Memo:	11/4/10-HRAHMED-DEC Rahman is responding to the site.11/05/10 Performed site visit.Building super was present during my inspection.The tank is 1,500 gallon, vaulted(cemented all over).No evidence of spill observed arounf the tank.No spill seen coming through the weephole.Super removed cinderblock from the top of the tank encasement to see the bottom of the tank.The bottom is dry.Tank failed the tightness test.Unsure where the leak is.As per the delivery slip, tank was delivered 1,300 gallons oil.Tank needs to be investigated for leak.csl was sent out toA B Ilibassi Realty CoP.O. Box 3545New Hyde ParkNY 11040(sr)12/08/10 Stopped by the site today.PTC removed the vaulted tank and currently excavating the tank grave. Excavation is approx 15'x6', 4' deep.Tank room has strong odor of petroleum. End point sample will be taken.PTC found holes at the bottom of the tank.(sr)03/31/11 Rec'd closure report. Tank was removed and found to be corroded and contained numerous holes.Excavation extended 15'x 8'x 8'.A total of twenty yards of contaminated soil and debris were removed.Two end point samples were taken from the bottom of the excavation. Minor VOCs left in the soil.ORC applied before backfilling. Vapor barrier was installed. Floor was epoxy painted.Report in edocs.Case closed.(sr)
Remarks:	1500gal agt is leaking/ leak is contained to vault area/vault is located inside, basement area/tank was filled day before yesterday

Material:

Site ID:	441668
Operable Unit ID:	1192217
Operable Unit:	01
Material ID:	2187445
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1300
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

X153 SE 1/8-1/4 0.219 mi. 1158 ft.

A B ILIBASSI REALTY CO
98 CHARLTON ST
NY, NY 10014

Site 2 of 7 in cluster X

NY AST **U003388003**
NY HIST AST **N/A**

Relative: Higher

Actual: 15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-316431
Program Type:	PBS
UTM X:	583824.24318999995
UTM Y:	4508969.0538600003
Expiration Date:	2012/07/10

Affiliation Records:

Site Id:	14510
Affiliation Type:	Owner
Company Name:	A B ILIBASSI REALTY CO
Contact Type:	MGR
Contact Name:	THOMAS J. CARACCIO
Address1:	P O BOX 3545
Address2:	Not reported
City:	NEW HYDE PARK
State:	NY
Zip Code:	11040
Country Code:	001
Phone:	(718) 343-1336
Phone Ext:	Not reported
Email:	TOMC@VIKMGT.COM
Fax Number:	Not reported
Modified By:	kakyer
Date Last Modified:	3/25/2008

Site Id:	14510
Affiliation Type:	Mail Contact
Company Name:	A B ILIBASSI REALTY CO
Contact Type:	Not reported
Contact Name:	BRUNO R. ILIBASSI
Address1:	PO BOX 3545
Address2:	Not reported
City:	NEW HYDE PARK
State:	NY
Zip Code:	11040
Country Code:	001
Phone:	(718) 343-1336
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14510
Affiliation Type:	On-Site Operator
Company Name:	A B ILIBASSI REALTY CO
Contact Type:	Not reported
Contact Name:	SOKAL HASAJ
Address1:	Not reported
Address2:	Not reported

A B ILIBASSI REALTY CO (Continued) **U003388003**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 595-7209
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	4/16/2007

Site Id:	14510
Affiliation Type:	Emergency Contact
Company Name:	A B ILIBASSI REALTY CO
Contact Type:	Not reported
Contact Name:	LUCIANO KOLIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 343-7921
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	12965

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/28/1955
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	msbaptis

A B ILIBASSI REALTY CO (Continued) **U003388003**

Last Modified: 04/16/2007

HIST AST:

PBS Number:	2-316431
SWIS Code:	6201
Operator:	JOSE DEJESUS
Facility Phone:	(212) 989-7078
Facility Addr2:	98 CHARLTON ST
Facility Type:	APARTMENT BUILDING
Emergency:	BELCHER CO
Emergency Tel:	(718) 762-4200
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	A B ILIBASSI REALTY CO
Owner Address:	PO BOX 3545
Owner City,St,Zip:	NEW HYDE PARK, NY 11040
Federal ID:	Not reported
Owner Tel:	(718) 343-1336
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	BRUNO R. ILIBASSI
Mailing Name:	A B ILIBASSI REALTY CO
Mailing Address:	PO BOX 3545
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW HYDE PARK, NY 11040
Mailing Telephone:	(718) 343-1336
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	08/07/1997
Expiration:	07/10/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	1500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported

A B ILIBASSI REALTY CO (Continued) **U003388003**

Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

R154 **45 MORTON ST/MANH** **NY LTANKS** **S100168158**
ENE **45 MORTON STREET** **NY HIST LTANKS** **N/A**
1/8-1/4 **NEW YORK CITY, NY** **NY Spills**
0.221 mi. **NY Hist Spills**
1167 ft. **Site 4 of 5 in cluster R**

Relative:
Higher

Actual:
17 ft.

LTANKS:

Site ID:	114748
Spill No:	9010720
Spill Date:	12/22/1990
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	5/25/1995
Facility Addr2:	Not reported
Cleanup Ceased:	5/25/1995
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	WILSON
Referred To:	Not reported
Reported to Dept:	1/8/1991
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/9/1991
Spill Record Last Update:	5/25/1995
Spiller Name:	Not reported
Spiller Company:	COASTAL OIL
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported

45 MORTON ST/MANH (Continued) **S100168158**

DEC Region: 2
DER Facility ID: 100065
DEC Memo: Not reported
Remarks: THIRD OCCURANCE AT LOCATION,DRIVER OVERFILLED TANK,SPILLED TO SIDEWALK & STREET & CATCH BASIN, SPEEDY DRY APPLIED,SPILL TEAM ENROUTETO PICK UP & DISPOSE.

Material:
Site ID: 114748
Operable Unit ID: 950929
Operable Unit: 01
Material ID: 430846
Material Code: 0002A
Material Name: #4 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 30
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

HIST LTANKS:
Region of Spill: 2
Spill Number: 9010720
Spill Date: 12/22/1990
Spill Time: 14:00
Spill Cause: Tank Overfill
Resource Affectd: In Sewer
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/25/95
Cleanup Ceased: 05/25/95
Cleanup Meets Standard: True
Investigator: WILSON
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported

45 MORTON ST/MANH (Continued) **S100168158**

Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 01/08/91
Reported to Department Time: 09:01
SWIS: 62
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: COASTAL OIL
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (800) 247-5232
Facility Extention: Not reported
Spill Notifier: Affected Persons
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/09/91
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 05/25/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 30
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #4 FUEL OIL
Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
DEC Remarks: Not reported
Spill Cause: THIRD OCCURANCE AT LOCATION,DRIVER OVERFILLED TANK,SPILLED TO SIDEWALK STREET CATCH BASIN, SPEEDY DRY APPLIED,SPILL TEAM ENROUTETO PICK UP DISPOSE.

SPILLS:
Facility ID: 9010342
DER Facility ID: 100065
Facility Type: ER

45 MORTON ST/MANH (Continued) **S100168158**

Site ID:	114747
DEC Region:	2
Spill Number:	9010342
Spill Date:	12/24/1990
Spill Cause:	Equipment Failure
Spill Class:	Not reported
Spill Closed Date:	12/24/1990
SWIS:	3101
Investigator:	WILSON
Referred To:	Not reported
Reported to Dept:	12/24/1990
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	12/24/1990
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/8/1991
Spill Record Last Update:	6/21/1991
Spiller Name:	Not reported
Spiller Company:	COASTAL OIL
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	SUSPECT LOOSE FITTING ON CUSTOMER'S FILL BOX, FUEL LEAKED TO STOOP NEXT DOOR & SIDEWALK,NYCFS RESPONDED, COASTAL OIL ARE SENDING CLEAN UP CREW.

Material:

Site ID:	114747
Operable Unit ID:	947481
Operable Unit:	01
Material ID:	430502
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported

45 MORTON ST/MANH (Continued) **S100168158**

Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9010342
Investigator:	WILSON
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	12/24/1990 10:30
Reported to Dept Date/Time:	12/24/90 12:21
SWIS:	62
Spiller Name:	COASTAL OIL
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Affected Persons
PBS Number:	Not reported
Cleanup Ceased:	12/24/90
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	12/24/90
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	01/08/91
Date Spill Entered In Computer Data File:	Not reported
Update Date:	06/21/91
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	10

45 MORTON ST/MANH (Continued) **S100168158**

Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #4 FUEL OIL
Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
DEC Remarks: 12/24/90: APPEARS WARNING ALARM NOT WORKING PROPERLY, SORBENT USED,WILL SWEEP UP WASH,WILL SET UP INSPECTION OF BLDG.
Remark: SUSPECT LOOSE FITTING ON CUSTOMER S FILL BOX, FUEL LEAKED TO STOOP NEXT DOOR SIDEWALK,NYCFS RESPONDED, COASTAL OIL ARE SENDING CLEAN UP CREW.

Y155 **BELL ATLANTIC** **NY HIST UST** **U003074748**
SE **84 KING STREET** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.222 mi.
1170 ft. **Site 1 of 3 in cluster Y**

Relative:
Higher

Actual:
17 ft.

HIST UST:
PBS Number: 2-344680
SPDES Number: Not reported
Emergency Contact: BELL ATLANTIC
Emergency Telephone: (800) 386-9639
Operator: BELL ATLANTIC
Operator Telephone: (800) 339-6144
Owner Name: NEW YORK TELEPHONE
Owner Address: 221 EAST 37TH STREET, 4TH FLOOR
Owner City,St,Zip: NEW YORK, NY 10016
Owner Telephone: (800) 339-6144
Owner Type: Corporate/Commercial
Owner Subtype: New York Telephone
Mailing Name: BELL ATLANTIC
Mailing Address: 221 EAST 37TH STREET, 4TH FLOOR
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10016
Mailing Contact: KATHLEEN TOBIN
Mailing Telephone: (212) 338-6731
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2: 84 KING STREET
SWIS ID: 6201
Old PBS Number: Not reported
Facility Type: UTILITY
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Federal ID: Not reported
Certification Flag: False
Certification Date: 01/28/1998
Expiration Date: 12/14/2002
Renew Flag: False
Renewal Date: Not reported
Total Capacity: 4275
FAMT: True

BELL ATLANTIC (Continued) **U003074748**

Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	Fiberglass Liner (FRP)
Pipe External:	Fiberglass
Second Containment:	Vault (w/access)
Leak Detection:	In-tank System
Overfill Prot:	High Level Alarm, Catch Basin
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

HIST AST:

PBS Number:	2-344680
SWIS Code:	6201
Operator:	BELL ATLANTIC
Facility Phone:	(800) 339-6144
Facility Addr2:	84 KING STREET
Facility Type:	UTILITY
Emergency:	BELL ATLANTIC
Emergency Tel:	(800) 386-9639
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	NEW YORK TELEPHONE
Owner Address:	221 EAST 37TH STREET, 4TH FLOOR
Owner City,St,Zip:	NEW YORK, NY 10016
Federal ID:	Not reported
Owner Tel:	(800) 339-6144
Owner Type:	Corporate/Commercial
Owner Subtype:	T
Mailing Contact:	KATHLEEN TOBIN

BELL ATLANTIC (Continued) **U003074748**

Mailing Name:	BELL ATLANTIC
Mailing Address:	221 EAST 37TH STREET, 4TH FLOOR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10016
Mailing Telephone:	(212) 338-6731
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	01/28/1998
Expiration:	12/14/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	4275
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	002
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	19940701
Capacity (Gal):	275
Product Stored:	USED OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Excavation/Tranch Liner
Leak Detection:	00
Overfill Protection:	45
Dispenser Method:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Y156 SE 1/8-1/4 0.222 mi. 1170 ft. | **VERIZON NEW YORK INC-NY-11582** | **NY TANKS** | **S110771823** **N/A**
84 KING STREET
NEW YORK, NY 10014

Site 2 of 3 in cluster Y

Relative: Higher

Actual: 17 ft.

TANKS:

Facility Id:	2-344680
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	2017/12/14
UTM X:	583943.92437999998
UTM Y:	4509036.3533899998

Y157 SE 1/8-1/4 0.222 mi. 1170 ft. | **NEW YORK TELEPHONE** | **RCRA NonGen / NLR** **FINDS** | **1000791566** **NYD987030798**
84 KING ST
NEW YORK, NY 10014

Site 3 of 3 in cluster Y

Relative: Higher

Actual: 17 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NEW YORK TELEPHONE CO
Facility address:	84 KING ST NEW YORK, NY 100144807
EPA ID:	NYD987030798
Mailing address:	11TH AVE NEW YORK, NY 10019
Contact:	Not reported
Contact address:	11TH AVE NEW YORK, NY 10019
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PACKER LACK JOINT VENTURE
Owner/operator address:	111 GREAT NECK RD GREAT NECK, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	PACKER LACK JOINT VENTURE
Owner/operator address:	111 GREAT NECK RD GREAT NECK, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported

NEW YORK TELEPHONE (Continued) **1000791566**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: NEW YORK TELEPHONE CO
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Facility name: NEW YORK TELEPHONE CO
Classification: Not a generator, verified

Date form received by agency: 03/15/1993
Facility name: NEW YORK TELEPHONE CO
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004502565

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

X158 **NYC DEP** **RCRA NonGen / NLR** **1014395486**
SE **91 CHARLTON ST** **NYP003663853**
1/8-1/4 **NEW YORK, NY 10014**
0.222 mi.
1172 ft. **Site 3 of 7 in cluster X**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:
Date form received by agency: 03/17/2008
Facility name: NYC DEP
Facility address: 91 CHARLTON ST

NYC DEP (Continued) **1014395486**

	NEW YORK, NY 10014
EPA ID:	NYP003663853
Mailing address:	JUNCTION BLVD FLUSHING, NY 11373
Contact:	JOANNE NURSE
Contact address:	JUNCTION BLVD FLUSHING, NY 11373
Contact country:	US
Contact telephone:	(718) 595-4675
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	Batteries
Accumulated waste on-site:	No
Generated waste on-site:	Not reported
Waste type:	Lamps
Accumulated waste on-site:	No
Generated waste on-site:	Not reported
Waste type:	Pesticides
Accumulated waste on-site:	No
Generated waste on-site:	Not reported
Waste type:	Thermostats
Accumulated waste on-site:	No
Generated waste on-site:	Not reported
Violation Status:	No violations found

P159 ENE 1/8-1/4 0.223 mi. 1178 ft. | **CONSOLIDATED EDISON 72 BARROW ST. NEW YORK, NY 10014** | **NY AST NY HIST AST NY MANIFEST** | **U003389483 N/A**

Site 7 of 8 in cluster P

Relative: Higher

Actual: 18 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-117641
Program Type:	PBS
UTM X:	583971.02211999998
UTM Y:	4509455.2009100001
Expiration Date:	2017/07/20

Affiliation Records:

Site Id:	4022
Affiliation Type:	Owner
Company Name:	HUDBAR ASSOC C/O AJ CLARKE
Contact Type:	AGENT
Contact Name:	STEPHEN DENARDO
Address1:	1881 BROADWAY
Address2:	Not reported
City:	NY
State:	NY
Zip Code:	10023
Country Code:	001
Phone:	(212) 541-4471
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	5/29/2012

Site Id:	4022
Affiliation Type:	Mail Contact
Company Name:	A.J. CLARKE REAL ESTATE CORP.
Contact Type:	Not reported
Contact Name:	STEPHEN DENARDO
Address1:	1881 BROADWAY
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10023
Country Code:	001
Phone:	(212) 541-4477
Phone Ext:	Not reported
Email:	SDENARDO@AJCLARKENYC.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	3/7/2012

Site Id:	4022
Affiliation Type:	On-Site Operator
Company Name:	72 BARROW ST
Contact Type:	Not reported
Contact Name:	HUDBAR ASSOC C/O AJ CLARKE
Address1:	Not reported
Address2:	Not reported

CONSOLIDATED EDISON (Continued) **U003389483**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 691-0588
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	4022
Affiliation Type:	Emergency Contact
Company Name:	HUDBAR ASSOC C/O AJ CLARKE
Contact Type:	Not reported
Contact Name:	ABE BURTON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 691-0588
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	16780

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/01/1970
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported

CONSOLIDATED EDISON (Continued) **U003389483**

Register:	True
Modified By:	KAKYER
Last Modified:	05/29/2012

Tank Number:	002
Tank Id:	16781

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/01/1970
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	05/29/2012

HIST AST:

PBS Number:	2-117641
SWIS Code:	6201
Operator:	HUDBAR ASSOC C/O AJ CLARKE
Facility Phone:	(212) 691-0588
Facility Addr2:	72 BARROW ST
Facility Type:	APARTMENT BUILDING
Emergency:	ABE BURTON
Emergency Tel:	(212) 691-0588
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	HUDBAR ASSOC C/O AJ CLARKE
Owner Address:	1881 BROADWAY
Owner City,St,Zip:	NY, NY 10023
Federal ID:	Not reported
Owner Tel:	(212) 541-4471
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	STEPHEN DENARDO
Mailing Name:	HUDBAR ASSOC C/O AJ CLARKE

CONSOLIDATED EDISON (Continued) **U003389483**

Mailing Address:	1881 BROADWAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NY, NY 10023
Mailing Telephone:	(212) 541-4471
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	09/11/1997
Expiration:	07/20/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	8000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	4000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

Tank ID:	002
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported

CONSOLIDATED EDISON (Continued) **U003389483**

Capacity (Gal):	4000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

NY MANIFEST:

EPA ID:	NYP004170833
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	CONSOLIDATED EDISON
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

NY MANIFEST:

No Manifest Records Available

P160 **CON EDISON - SERVICE BOX 26182** **RCRA-LQG** **1014395618**
ENE **72 BARROW ST.** **NYP004170833**
1/8-1/4 **NEW YORK, NY 10014**
0.223 mi.
1178 ft. **Site 8 of 8 in cluster P**

Relative:
Higher

Actual:
18 ft.

RCRA-LQG:

Date form received by agency:	03/23/2010
Facility name:	CON EDISON - SERVICE BOX 26182
Facility address:	72 BARROW ST. NEW YORK, NY 10014
EPA ID:	NYP004170833
Mailing address:	4 IRVING PLACE NEW YORK, NY 10003
Contact:	FRANKLYN MURRAY
Contact address:	Not reported Not reported

CON EDISON - SERVICE BOX 26182 (Continued) **1014395618**

Contact country:	Not reported
Contact telephone:	(212) 460-2808
Contact email:	MURRAYFR@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	4 IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	06/03/2009
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	4 IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/03/2009
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CON EDISON - SERVICE BOX 26182 (Continued) **1014395618**

Historical Generators:
Date form received by agency: 06/03/2009
Facility name: CON EDISON - SERVICE BOX 26182
Site name: CON EDISON
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Violation Status: No violations found

U161
SSE
1/8-1/4
0.224 mi.
1181 ft.

Relative:
Higher

Actual:
10 ft.

CON EDISON **RCRA-CESQG** **1012185048**
528 GREENWICH ST **NYP004158507**
NEW YORK, NY 10024

Site 2 of 4 in cluster U

RCRA-CESQG:
Date form received by agency: 05/13/2008
Facility name: CON EDISON
Facility address: 528 GREENWICH ST
NEW YORK, NY 10024
EPA ID: NYP004158507
Mailing address: 4 IRVING PL, RM 828
NEW YORK, NY 10003
Contact: STEVEN MARTIS
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 580-8383
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

CON EDISON (Continued) **1012185048**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

V162 NNE 1/8-1/4 0.226 mi. 1191 ft. **THE SHEPHERD HOUSE** **NY HIST UST** **U000404237**
277 WEST 10TH STREET **N/A**
NEW YORK, NY 10014

Site 3 of 6 in cluster V

Relative: Higher

Actual: 15 ft.

HIST UST:

PBS Number:	2-328960
SPDES Number:	Not reported
Emergency Contact:	MARTHA GOUPIT
Emergency Telephone:	(212) 522-0458
Operator:	RICHARD WEST
Operator Telephone:	(212) 924-7349
Owner Name:	VILL-SHEPHERD EQU.COR.N.V. C/O CARAN PROPERTIES
Owner Address:	150 EAST 58TH STREET 27TH FLOOR
Owner City,St,Zip:	NEW YORK, NY 10155
Owner Telephone:	(212) 207-8118
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	CARAN PROPERTIES INC.
Mailing Address:	150 EAST 58TH STREET 27TH FLOOR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10155
Mailing Contact:	MARTHA GOUPIT
Mailing Telephone:	(212) 207-8118
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	277 WEST 10TH STREET
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	10/29/1997
Expiration Date:	10/02/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	10000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False

THE SHEPHERD HOUSE (Continued) **U000404237**

CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	19771201
Capacity (gals):	10000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Diking
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

163
South
1/8-1/4
0.228 mi.
1205 ft.

WB ENTRANCE TO
HOLLAND TUNNEL
MANHATTAN, NY

NY LTANKS **S103829278**
NY Hist Spills **N/A**

Relative:
Lower

Actual:
2 ft.

LTANKS:

Site ID:	205717
Spill No:	9815149
Spill Date:	3/21/1999
Spill Cause:	Tank Overfill
Spill Source:	Passenger Vehicle
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	2/24/2003
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	3/22/1999
CID:	365
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported

WB ENTRANCE TO (Continued) **S103829278**

Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/22/1999
Spill Record Last Update:	2/24/2003
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	170822
DEC Memo:	Not reported
Remarks:	HAPPENED DURING VERY HEAVY TRAFFIC - VEH OVERHEATED SPILLING 1/2 GALLONS OF ANTIFREEZE ONTO ROADWAY - HOLLAND TUNNEL EMERGENCY REPSONSE PERSONEEL CAME TO CLEAN UP

Material:

Site ID:	205717
Operable Unit ID:	1073013
Operable Unit:	01
Material ID:	308269
Material Code:	0043A
Material Name:	ANTIFREEZE
Case No.:	Not reported
Material FA:	Other
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9815149
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported

WB ENTRANCE TO (Continued) **S103829278**

Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 03/21/1999 16:30
Reported to Dept Date/Time: 03/22/99 16:13
SWIS: 62
Spiller Name: UNKNOWN
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Phone: ( ) -
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 06
Spill Notifier: Affected Persons
PBS Number: Not reported
Cleanup Ceased: / /
Cleanup Meets Std: False
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 03/22/99
Date Spill Entered In Computer Data File: Not reported
Update Date: 03/23/99
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Hazardous Material
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 1
Unkonwn Quantity Recovered: False
Material: ANTIFREEZE
Class Type: ANTIFREEZE
Times Material Entry In File: 0
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: Not reported
Remark: HAPPENED DURING VERY HEAVY TRAFFIC - VEH OVERHEATED SPILLING 1/2 GALLONS OF ANTIFREEZE ONTO ROADWAY - HOLLAND TUNNEL EMERGENCY REPSONSE PERSONEEL CAME TO

WB ENTRANCE TO (Continued) **S103829278**

CLEAN UP

U164 **V-DOG CONDOMINIUM** **NY AST** **A100157587**
SSE **95 VANDAM STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.229 mi.
1209 ft. **Site 3 of 4 in cluster U**

Relative:
Higher

Actual:
11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-399272
Program Type:	PBS
UTM X:	583792.87424999999
UTM Y:	4508904.7524600001
Expiration Date:	2014/11/02

Affiliation Records:

Site Id:	19007
Affiliation Type:	Owner
Company Name:	V-DOG CONDOMINIUM C/O ANDREWS BLDG. CORP
Contact Type:	PROPERTY MANAGER AS AGENT
Contact Name:	KEVIN KORM
Address1:	666 BROADWAY
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10012
Country Code:	001
Phone:	(212) 529-5688
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	8/31/2009

Site Id:	19007
Affiliation Type:	Mail Contact
Company Name:	ANDREWS BUILDING CORP.
Contact Type:	Not reported
Contact Name:	EUGENE ANDREWS
Address1:	666 BROADWAY - 12TH FL
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10012
Country Code:	001
Phone:	(212) 529-5688
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19007
Affiliation Type:	On-Site Operator
Company Name:	V-DOG CONDOMINIUM

V-DOG CONDOMINIUM (Continued) **A100157587**

Contact Type:	Not reported
Contact Name:	C. BROWN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 845-9423
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19007
Affiliation Type:	Emergency Contact
Company Name:	V-DOG CONDOMINIUM C/O ANDREWS BLDG. CORP
Contact Type:	Not reported
Contact Name:	E. ANDREWS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 529-5688
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	21610

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
G03 - Tank Secondary Containment - Vault (w/o access)
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
K00 - Spill Prevention - None
I00 - Overfill - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/04/1987
Capacity Gallons:	2000

V-DOG CONDOMINIUM (Continued) **A100157587**

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	08/31/2009

W165 **NYC BD OF ED - PUBLIC SCHOOL 3 MAN** **RCRA NonGen / NLR** **1000791594**
NE **490 HUDSON ST** **FINDS** **NYD987031085**
1/8-1/4 **NEW YORK, NY 10014** **NY MANIFEST**
0.229 mi.
1211 ft. **Site 2 of 9 in cluster W**

Relative:
Higher

Actual:
19 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYC BD OF ED - PUBLIC SCHOOL 3 MAN
Facility address:	490 HUDSON ST NEW YORK, NY 100142818
EPA ID:	NYD987031085
Mailing address:	HUDSON ST NEW YORK, NY 10014
Contact:	TOM TREMER
Contact address:	HUDSON ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 924-3015
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NY BOARD OF EDUCATION
Owner/operator address:	110 LIVINGSTON ST BROOKLYN, NY 11201
Owner/operator country:	US
Owner/operator telephone:	(718) 935-5010
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NO NAME FOUND
Owner/operator address:	NOT REQUIRED NY
Owner/operator country:	US
Owner/operator telephone:	(212) 924-3015
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	04/01/1905
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

NYC BD OF ED - PUBLIC SCHOOL 3 MAN (Continued) **1000791594**

Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 01/01/2006
Facility name: NYC BD OF ED - PUBLIC SCHOOL 3 MAN
Classification: Not a generator, verified

Date form received by agency: 11/26/2002
Facility name: NYC BD OF ED - PUBLIC SCHOOL 3 MAN
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/08/1999
Facility name: NYC BD OF ED - PUBLIC SCHOOL 3 MAN
Classification: Not a generator, verified

Date form received by agency: 08/31/1995
Facility name: NYC BD OF ED - PUBLIC SCHOOL 3 MAN
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004502814

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include;

NYC BD OF ED - PUBLIC SCHOOL 3 MAN (Continued) **1000791594**

Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NY MANIFEST:

EPA ID:	NYD987031085
Country:	USA
Mailing Name:	NYC BOARD OF ED
Mailing Contact:	TOM HEAVEY
Mailing Address:	28-11 QUEENS PLAZA NORTH
Mailing Address 2:	Not reported
Mailing City:	LONG ISLAND CITY
Mailing State:	NY
Mailing Zip:	11101
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-472-8108

Document ID:	NJA1717620
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS581
Trans2 State ID:	Not reported
Generator Ship Date:	930902
Trans1 Recv Date:	930902
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	930902
Part A Recv Date:	Not reported
Part B Recv Date:	931020
Generator EPA ID:	NYD987031085
Trans1 EPA ID:	NJD982281016
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	06000
Units:	P - Pounds
Number of Containers:	029
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	93

Document ID:	NYB6853977
Manifest Status:	Completed copy
Trans1 State ID:	NYPP5193
Trans2 State ID:	Not reported
Generator Ship Date:	950915
Trans1 Recv Date:	950915
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	950915
Part A Recv Date:	Not reported
Part B Recv Date:	950929
Generator EPA ID:	NYD987031085
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D008 - LEAD 5.0 MG/L TCLP

NYC BD OF ED - PUBLIC SCHOOL 3 MAN (Continued) **1000791594**

Quantity:	00500
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	95

W166
NE
1/8-1/4
0.229 mi.
1211 ft.

PUBLIC SCHOOL 3 - MANHATTAN
490 HUDSON STREET
NEW YORK, NY 10014

NY AST **A100166657**
N/A

Site 3 of 9 in cluster W

Relative:
Higher

Actual:
19 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-604512
Program Type:	PBS
UTM X:	583936.86751999997
UTM Y:	4509555.1749600004
Expiration Date:	2015/05/12

Affiliation Records:

Site Id:	26384
Affiliation Type:	Owner
Company Name:	NYC DEPT. OF EDUCATION
Contact Type:	MANAGER, FUEL DIVISION
Contact Name:	RAYMOND CORREA
Address1:	44-36 VERNON BOULEVARD
Address2:	Not reported
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	5/20/2010

Site Id:	26384
Affiliation Type:	Mail Contact
Company Name:	NYC DEPT. OF EDUCATION
Contact Type:	Not reported
Contact Name:	RAYMOND CORREA
Address1:	FIELD OPERATIONS-FUEL DIVISION
Address2:	44-36 VERNON BOULEVARD
City:	LONG ISLAND CITY
State:	NY
Zip Code:	11101
Country Code:	001
Phone:	(718) 349-5738
Phone Ext:	Not reported
Email:	RCORREA5@SCHOOLS.NYC.GOV
Fax Number:	Not reported

PUBLIC SCHOOL 3 - MANHATTAN (Continued) **A100166657**

Modified By:	CGFREEDM
Date Last Modified:	3/23/2010

Site Id:	26384
Affiliation Type:	On-Site Operator
Company Name:	PUBLIC SCHOOL 3 - MANHATTAN
Contact Type:	Not reported
Contact Name:	PLANT OPERATIONS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 349-5400
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	4/20/2005

Site Id:	26384
Affiliation Type:	Emergency Contact
Company Name:	NYC DEPT. OF EDUCATION
Contact Type:	Not reported
Contact Name:	SCHOOL SAFETY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(718) 935-3300
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	7/12/2011

Tank Info:

Tank Number:	001
Tank Id:	58042

Equipment Records:

H99 - Tank Leak Detection - Other
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
E02 - Piping Secondary Containment - Vault (with Access)
L00 - Piping Leak Detection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
I02 - Overfill - High Level Alarm

PUBLIC SCHOOL 3 - MANHATTAN (Continued) **A100166657**

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	03/01/2000
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	CGFREEDM
Last Modified:	03/23/2010

W167
NE
1/8-1/4
0.230 mi.
1213 ft.

CONSOLIDATED EDISON
491 HUDSON ST.
NEW YORK, NY 10014

Site 4 of 9 in cluster W

NY MANIFEST **S109825908**
N/A

Relative:
Higher

Actual:
19 ft.

NY MANIFEST:

EPA ID:	NYP004170809
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	CONSOLIDATED EDISON
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-03
Trans1 Recv Date:	2009-06-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-04
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004170809
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	003534240JJK

CONSOLIDATED EDISON (Continued) **S109825908**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-03
Trans1 Recv Date:	2009-06-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-04
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004170809
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	003534240JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-03
Trans1 Recv Date:	2009-06-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-04

CONSOLIDATED EDISON (Continued) **S109825908**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004170809
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	003534240JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

W168 **CON EDISON - SERVICE BOX 37381** **RCRA-LQG** **1014395615**
NE **491 HUDSON ST.** **NYP004170809**
1/8-1/4 **NEW YORK, NY 10014**
0.230 mi.
1213 ft. **Site 5 of 9 in cluster W**

Relative:
Higher

Actual:
19 ft.

RCRA-LQG:

Date form received by agency:	03/23/2010
Facility name:	CON EDISON - SERVICE BOX 37381
Facility address:	491 HUDSON ST. NEW YORK, NY 10014
EPA ID:	NYP004170809
Mailing address:	4 IRVING PLACE NEW YORK, NY 10003
Contact:	FRANKLYN MURRAY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-2808
Contact email:	MURRAYFR@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting

CON EDISON - SERVICE BOX 37381 (Continued) **1014395615**

from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	4 IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	06/03/2009
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	4 IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/03/2009
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	06/03/2009
Facility name:	CON EDISON - SERVICE BOX 37381
Site name:	CON EDISON
Classification:	Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code:	D008
Waste name:	LEAD

Violation Status: No violations found

Z169 East 1/8-1/4 0.230 mi. 1216 ft. | **HIGH TECH ENVIRO., SVCS.**
66 LEROY ST
NEW YORK, NY 10014 | **CT MANIFEST** | **S109787853**
N/A

Site 1 of 2 in cluster Z

Relative: Higher

Actual: 16 ft.

CT MANIFEST:

Waste:

Manifest No:	CTF0571154
Waste Occurence:	1
UNNA:	3077
Hazard Class:	9
US Dot Description:	ENVIRONMENTALLY HAZ. SUBSTANCES,SOLID
No of Containers:	002
Container Type:	DM
Quantity:	300
Weight/Volume:	P
Additional Description:	Not reported
Handling Code:	Not reported
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Waste CD:

Manifest No:	CTF0571154
Waste Occurence:	1
EPA Waste Code:	D008
Recycled Waste?:	F
Date Record Was Last Modified:	4/26/2004
DEO Who Last Modified Record:	IG

Detail:

Year:	1998
Manifest ID:	CTF0571154
TSDF EPA ID:	CTD000604488
TSDF Name:	CLEAN HARBORS OF CONNECTICUT, INC.
TSDF Address:	51 BRODERICK RD
TSDF City,St,Zip:	BRISTOL, CT 06010
TSDF Country:	USA
TSDF Telephone:	Not reported
Transport Date:	7/13/1998
Transporter EPA ID:	MAD039322250
Transporter Name:	CLEAN HARBORS ENVIRONMENTAL SERVICES, INC.
Transporter Country:	USA
Transporter Phone:	Not reported
Trans 2 Date:	7/13/1998
Trans 2 EPA ID:	NJD071629976
Trans 2 Name:	S-J TRANSPORTATION CO
Trans 2 Address:	Not reported
Trans 2 City,St,Zip:	CT
Trans 2 Country:	USA
Trans 2 Phone:	Not reported
EPA ID:	NYR000057901
Generator Phone:	7187453366
Generator Mailing Addr:	66 LEROY ST. MANHATTAN
Generator Mailing Town:	Not reported
Generator Mailing State:	RK
Generator Mailing Zip:	Not reported
Generator Mailing Country:	USA

HIGH TECH ENVIRO., SVCS. (Continued) **S109787853**

Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	7/14/1998
Date Received:	7/27/1998
Last modified date:	4/26/2004
Last modified by:	IG
Comments:	Not reported

Z170 East 1/8-1/4 0.230 mi. 1216 ft. **NYC PUBLIC LIBRARY - HUDSON PARK** **RCRA NonGen / NLR** **1001224573**
66 LEROY ST **FINDS** **NYR000057901**
NEW YORK, NY 10014 **NY MANIFEST**

Site 2 of 2 in cluster Z

Relative: Higher

Actual: 16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYC PUBLIC LIBRARY - HUDSON PARK
Facility address:	66 LEROY ST NEW YORK, NY 10014
EPA ID:	NYR000057901
Mailing address:	LEROY ST NEW YORK, NY 10014
Contact:	JOSHUA POMERANTZ
Contact address:	LEROY ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 930-0618
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYC DEPT OF DESIGN & CONSTRUCTION
Owner/operator address:	30-30 THOMSON AVE LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 391-1299
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYC DEPT OF DESIGN & CONSTRUCTION
Owner/operator address:	30-30 THOMSON AVE LONG ISLAND CITY, NY 11101
Owner/operator country:	US
Owner/operator telephone:	(718) 391-1299
Legal status:	Municipal
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

NYC PUBLIC LIBRARY - HUDSON PARK (Continued) **1001224573**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	NYC PUBLIC LIBRARY - HUDSON PARK
Classification:	Not a generator, verified
Date form received by agency:	12/01/1999
Facility name:	NYC PUBLIC LIBRARY - HUDSON PARK
Classification:	Small Quantity Generator
Violation Status:	No violations found

FINDS:

Registry ID: 110004545118

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000057901
Country:	USA
Mailing Name:	HUDSON PARK LIBRARY
Mailing Contact:	STEVE SUCATO
Mailing Address:	2550 WEST 13TH ST
Mailing Address 2:	Not reported
Mailing City:	BROOKLYN
Mailing State:	NY
Mailing Zip:	11223
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	718-745-3366
Document ID:	CTF0571154
Manifest Status:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	NJD071629976

NYC PUBLIC LIBRARY - HUDSON PARK (Continued) **1001224573**

Generator Ship Date:	07/13/1998
Trans1 Recv Date:	07/13/1998
Trans2 Recv Date:	07/13/1998
TSD Site Recv Date:	07/27/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000057901
Trans1 EPA ID:	CTD000604488
Trans2 EPA ID:	Not reported
TSDF ID:	P2881FOH
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00300
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	98

Document ID:	NYG1286235
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	12/09/1999
Trans1 Recv Date:	12/09/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/23/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000057901
Trans1 EPA ID:	OHD055522429
Trans2 EPA ID:	Not reported
TSDF ID:	Not reported
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00800
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

T171 **PORT AUTH TRANS HUDSON CO SUB 1** **RCRA NonGen / NLR** **1000391000**
NE **SUB 1 CHRISTOPHER GREENWICH ST** **FINDS** **NYD982276024**
1/8-1/4 **MANHATTAN, NY 10014** **NY MANIFEST**
0.232 mi.
1225 ft. **Site 6 of 12 in cluster T**

Relative:
Higher

Actual:
19 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	PORT AUTH TRANS HUDSON CO SUB 1
Facility address:	SUB 1 CHRISTOPHER GREENWICH ST MANHATTAN, NY 10014
EPA ID:	NYD982276024
Mailing address:	PATH PLZ JERSEY CITY, NY 07306
Contact:	CHARLES RYAN

PORT AUTH TRANS HUDSON CO SUB 1 (Continued) **1000391000**

Contact address: PATH PLZ
JERSEY CITY, NY 07306
Contact country: US
Contact telephone: (201) 963-2601
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: P A TRANS-HUDSON CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: P A TRANS-HUDSON CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: PORT AUTH TRANS HUDSON CO SUB 1
Classification: Not a generator, verified

Date form received by agency: 10/16/1987
Facility name: PORT AUTH TRANS HUDSON CO SUB 1
Classification: Not a generator, verified

PORT AUTH TRANS HUDSON CO SUB 1 (Continued) **1000391000**

Violation Status: No violations found

FINDS:

Registry ID: 110004418693

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYD982276024
Country:	USA
Mailing Name:	PORT AUTHORITY TRANS-HUDSON CORP
Mailing Contact:	PORT AUTHORITY TRANS-HUDSON CORP
Mailing Address:	1 PATH PLAZA-7TH FLORR
Mailing Address 2:	Not reported
Mailing City:	JERSEY CITY
Mailing State:	NJ
Mailing Zip:	07306
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	201-963-2607

Document ID:	NYA7604361
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890606
Trans1 Recv Date:	890606
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890607
Part A Recv Date:	890613
Part B Recv Date:	890620
Generator EPA ID:	NYD982276024
Trans1 EPA ID:	OHD982075343
Trans2 EPA ID:	Not reported
TSDF ID:	TND980729305
Waste Code:	B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC
Quantity:	02170
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	89

Document ID:	NYA7604343
Manifest Status:	Completed copy
Trans1 State ID:	266T-14OH

PORT AUTH TRANS HUDSON CO SUB 1 (Continued) **1000391000**

Trans2 State ID:	Not reported
Generator Ship Date:	890520
Trans1 Recv Date:	890520
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890522
Part A Recv Date:	890602
Part B Recv Date:	890602
Generator EPA ID:	NYD982276024
Trans1 EPA ID:	OHD982075343
Trans2 EPA ID:	Not reported
TSDF ID:	TND980729305
Waste Code:	B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC
Quantity:	01085
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	89

Document ID:	NYA7604388
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890607
Trans1 Recv Date:	890607
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890609
Part A Recv Date:	890614
Part B Recv Date:	890620
Generator EPA ID:	NYD982276024
Trans1 EPA ID:	NYD980769947
Trans2 EPA ID:	Not reported
TSDF ID:	TND980729305
Waste Code:	B006 - PCB TRANSFORMERS WITH 500 PPM OR > PCB
Quantity:	34000
Units:	P - Pounds
Number of Containers:	008
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	89

Document ID:	NYA7604397
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890607
Trans1 Recv Date:	890607
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890609
Part A Recv Date:	890614
Part B Recv Date:	890620
Generator EPA ID:	NYD982276024
Trans1 EPA ID:	NYD980769947

PORT AUTH TRANS HUDSON CO SUB 1 (Continued) **1000391000**

Trans2 EPA ID:	Not reported
TSDF ID:	TND980729305
Waste Code:	B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC
Quantity:	24400
Units:	P - Pounds
Number of Containers:	002
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	89

Document ID:	NYA7604352
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890520
Trans1 Recv Date:	890520
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890522
Part A Recv Date:	890602
Part B Recv Date:	890602
Generator EPA ID:	NYD982276024
Trans1 EPA ID:	OHD982075343
Trans2 EPA ID:	Not reported
TSDF ID:	TND991289760
Waste Code:	B006 - PCB TRANSFORMERS WITH 500 PPM OR > PCB
Quantity:	17000
Units:	P - Pounds
Number of Containers:	001
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	18570
Units:	P - Pounds
Number of Containers:	005
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	89

Document ID:	NYB1963881
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	891111
Trans1 Recv Date:	891111
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891113
Part A Recv Date:	891129
Part B Recv Date:	891129
Generator EPA ID:	NYD982276024
Trans1 EPA ID:	MOD095038998
Trans2 EPA ID:	Not reported
TSDF ID:	TND991289760

PORT AUTH TRANS HUDSON CO SUB 1 (Continued) **1000391000**

Waste Code:	B006 - PCB TRANSFORMERS WITH 500 PPM OR > PCB
Quantity:	17000
Units:	P - Pounds
Number of Containers:	004
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	89

Document ID:	NYB1963863
Manifest Status:	Completed copy
Trans1 State ID:	H10PC708
Trans2 State ID:	Not reported
Generator Ship Date:	891111
Trans1 Recv Date:	891111
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891112
Part A Recv Date:	891128
Part B Recv Date:	891122
Generator EPA ID:	NYD982276024
Trans1 EPA ID:	ARD069748192
Trans2 EPA ID:	Not reported
TSDF ID:	TND980729305
Waste Code:	B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC
Quantity:	01085
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	89

W172 **CON EDISON** **RCRA-CESQG** **1014395617**
NE **492 HUDSON ST** **NYP004170825**
1/8-1/4 **NEW YORK, NY 10014**
0.234 mi.
1235 ft. **Site 6 of 9 in cluster W**

Relative:
Higher

Actual:
19 ft.

RCRA-CESQG:

Date form received by agency:	06/03/2009
Facility name:	CON EDISON
Facility address:	492 HUDSON ST NEW YORK, NY 10014
EPA ID:	NYP004170825
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	HERMAN BAKER
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(718) 267-3853
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar

CON EDISON (Continued) **1014395617**

month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

T173 **PORT AUTHORITY TRANS-HUDSON CORP - CHRISTOPHER STREET SUB-ST** **RCRA-SQG** **1015754426**
NE **135 CHRISTOPHER ST** **NYR000198671**
1/8-1/4 **NEW YORK, NY 10014**
0.234 mi.
1236 ft. **Site 7 of 12 in cluster T**

Relative:
Higher

Actual:
19 ft.

RCRA-SQG:

Date form received by agency:	01/23/2013
Facility name:	PORT AUTHORITY TRANS-HUDSON CORP - CHRISTOPHER STREET SUB-STATION
Facility address:	135 CHRISTOPHER ST NEW YORK, NY 10014
EPA ID:	NYR000198671
Mailing address:	PATH PLZ JERSEY CITY, NJ 07306
Contact:	MARTHA K GULICK
Contact address:	PATH PLZ JERSEY CITY, NJ 07306
Contact country:	US
Contact telephone:	(201) 216-6258
Contact email:	Not reported
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

PORT AUTHORITY TRANS-HUDSON CORP - CHRISTOPHER STREET SUB-ST (Continued) **1015754426**

Owner/Operator Summary:

Owner/operator name:	PORT AUTHORITY TRANS-HUDSON CORP
Owner/operator address:	PATH PLZ
	JERSEY CITY, NJ 07306
Owner/operator country:	US
Owner/operator telephone:	(201) 216-6258
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	09/01/1962
Owner/Op end date:	Not reported

Owner/operator name:	PORT AUTHORITY TRANS-HUDSON CORP
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Other
Owner/Operator Type:	Operator
Owner/Op start date:	09/01/1962
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Hazardous Waste Summary:

Waste code:	D008
Waste name:	LEAD

Violation Status: No violations found

T174 **690 GRENWICH STREET** **NY HIST LTANKS** **S102672022**
NNE **690 GRENWICH STREET** **N/A**
1/8-1/4 **MANHATTAN, NY**
0.234 mi.
1236 ft. **Site 8 of 12 in cluster T**

Relative:
Higher

Actual:
19 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9210545
Spill Date:	12/12/1992
Spill Time:	20:15
Spill Cause:	Tank Overfill
Resource Affectd:	On Land

690 GRENWICH STREET (Continued) **S102672022**

Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/12/92
Reported to Department Time:	21:10
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	Not reported
Spiller Address:	690 GREENWICH STREET
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	12/15/92
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	11/23/94
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	15
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0

690 GRENWICH STREET (Continued) **S102672022**

Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: OIL WENT INTO BASEMENT APARTMENT CALLED FD.

T175
NNE
1/8-1/4
0.234 mi.
1236 ft.

690 GREENWICH ST
690 GREENWICH ST
NEW YORK, NY

NY LTANKS **S106719603**
N/A

Site 9 of 12 in cluster T

Relative:
Higher

Actual:
19 ft.

LTANKS:
Site ID: 61986
Spill No: 9210545
Spill Date: 12/12/1992
Spill Cause: Tank Overfill
Spill Source: Commercial Vehicle
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 1/2/2004
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: SIGONA
Referred To: Not reported
Reported to Dept: 12/12/1992
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 12/15/1992
Spill Record Last Update: 10/18/2006
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: 690 GREENWICH STREET
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 60141
DEC Memo: Not reported
Remarks: OIL WENT INTO BASEMENT APARTMENT CALLED FD.

Material:
Site ID: 61986
Operable Unit ID: 974799
Operable Unit: 01

690 GREENWICH ST (Continued) **S106719603**

Material ID:	404004
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

AA176 **RESIDENTIAL BUILDING** **NY AST** **U003390293**
ENE **71 BARROW ST** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.235 mi.
1243 ft. **Site 1 of 2 in cluster AA**

Relative:
Higher

Actual:
18 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-212520
Program Type:	PBS
UTM X:	584008.92559
UTM Y:	4509449.30241
Expiration Date:	2017/08/24

Affiliation Records:

Site Id:	7800
Affiliation Type:	Owner
Company Name:	71 BARROW ST OWNERS CORP % ANDREWS BUILDING CORP
Contact Type:	MGR
Contact Name:	AFRIM POCESTA
Address1:	666 BROADWAY
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10012
Country Code:	001
Phone:	(212) 529-5688
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	9/5/2012

RESIDENTIAL BUILDING (Continued) **U003390293**

Site Id:	7800
Affiliation Type:	Mail Contact
Company Name:	ANDREWS BUILDING CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	666 BROADWAY
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10011
Country Code:	001
Phone:	(212) 529-5688
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	9/5/2012

Site Id:	7800
Affiliation Type:	On-Site Operator
Company Name:	71 BARROW ST. OWNERS CORP.
Contact Type:	Not reported
Contact Name:	ALEN BITROVIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 526-0598
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	12/29/2008

Site Id:	7800
Affiliation Type:	Emergency Contact
Company Name:	71 BARROW ST OWNERS CORP % ANDREWS BUILDING CORP
Contact Type:	Not reported
Contact Name:	ANDREWS BLDG CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 529-5688
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	9/5/2012

Tank Info:

Tank Number:	005

RESIDENTIAL BUILDING (Continued) **U003390293**

Tank Id: 18762

Equipment Records:

H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None
G03 - Tank Secondary Containment - Vault (w/o access)
K00 - Spill Prevention - None
B00 - Tank External Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/27/1979
Capacity Gallons:	1750
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	09/05/2012

HIST AST:

PBS Number:	2-212520
SWIS Code:	6201
Operator:	GALIP SHATKU
Facility Phone:	(212) 529-5688
Facility Addr2:	71 BARROW ST
Facility Type:	APARTMENT BUILDING
Emergency:	GALIP SHATKU
Emergency Tel:	(212) 633-0845
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	71 BARROW ST OWNERS CORP
Owner Address:	C/O ANDREWA BUILDING COR. 666 BROADWAY
Owner City,St,Zip:	NEW YORK, NY 10012
Federal ID:	Not reported
Owner Tel:	(212) 529-5688
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	SUPER FACILITY MANAGER
Mailing Name:	RESIDENTIAL BUILDING
Mailing Address:	71 BARROW STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10014
Mailing Telephone:	(212) 529-5688
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is

RESIDENTIAL BUILDING (Continued) **U003390293**

	greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/14/1998
Expiration:	08/24/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	1750
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2
Tank ID:	005
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1750
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

Q177 **EDR US Hist Cleaners** **1015055701**
North **404 WEST ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.235 mi.
1243 ft. **Site 6 of 6 in cluster Q**

Relative:
Lower

Actual:
5 ft.

EDR Historical Cleaners:

Name:	PETERS DRY CLEANER
Year:	2002
Address:	404 WEST ST
Name:	PETERS DRY CLEANER

(Continued) **1015055701**

Year: 2004
Address: 404 WEST ST

T178 NE 1/8-1/4 0.235 mi. 1243 ft. | **CON EDISON - SERVICE BOX 29922**
135 CHRISTOPHER ST.
NEW YORK, NY 10014 | **RCRA-LQG** | **1014395620**
NYP004170858

Site 10 of 12 in cluster T

Relative: Higher

Actual: 19 ft.

RCRA-LQG:

Date form received by agency:	03/23/2010
Facility name:	CON EDISON - SERVICE BOX 29922
Facility address:	135 CHRISTOPHER ST. NEW YORK, NY 10014
EPA ID:	NYP004170858
Mailing address:	4 IRVING PLACE NEW YORK, NY 10003
Contact:	FRANKLYN MURRAY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-2808
Contact email:	MURRAYFR@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	4 IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	06/03/2009
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	4 IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	06/03/2009

CON EDISON - SERVICE BOX 29922 (Continued) **1014395620**

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	06/03/2009
Facility name:	CON EDISON - SERVICE BOX 29922
Site name:	CON EDISON
Classification:	Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code:	D008
Waste name:	LEAD

Violation Status: No violations found

T179 **CON EDISON** **RCRA-CESQG** **1014395619**
NE **135 CHRISTOPHER ST SB 29922** **NYP004170841**
1/8-1/4 **NEW YORK, NY 10014**
0.235 mi.
1243 ft. **Site 11 of 12 in cluster T**

Relative:
Higher

Actual:
19 ft.

RCRA-CESQG:

Date form received by agency:	06/03/2009
Facility name:	CON EDISON
Facility address:	135 CHRISTOPHER ST SB 29922 NEW YORK, NY 10014
EPA ID:	NYP004170841
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	HERMAN BAKER
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(718) 267-3853
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

CON EDISON (Continued) **1014395619**

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

T180 **CONSOLIDATED EDISON** **NY MANIFEST** **S109825842**
NE **135 CHRISTOPHER ST.** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.235 mi.
1243 ft. **Site 12 of 12 in cluster T**

Relative:
Higher

Actual:
19 ft.

NY MANIFEST:

EPA ID:	NYP004170858
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	CONSOLIDATED EDISON
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-246-2808

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-03
Trans1 Recv Date:	2009-06-03
Trans2 Recv Date:	Not reported

CONSOLIDATED EDISON (Continued) **S109825842**

TSD Site Recv Date:	2009-06-03
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004170858
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	003532066JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-03
Trans1 Recv Date:	2009-06-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-03
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004170858
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	003532066JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

CONSOLIDATED EDISON (Continued) **S109825842**

Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-03
Trans1 Recv Date:	2009-06-03
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-03
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004170858
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	003532066JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

S181 **CARMINE REC. CENTER** **NY CBS AST** **S102639149**
ESE **CLARKSON AND 7TH AVENUES** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.236 mi.
1244 ft. **Site 2 of 10 in cluster S**

Relative:
Higher

Actual:
17 ft.

CBS AST:

CBS Number:	2-000147
Region:	STATE
ICS Number:	2-700517
PBS Number:	Not reported
MOSF Number:	Not reported
Telephone:	(212) 242-5418
Facility Town:	NEW YORK CITY
Operator:	SAM COUNCIL

CARMINE REC. CENTER (Continued) **S102639149**

Emrgncy Contact:	JON MAZZA
Emrgncy Phone:	(718) 383-6363
Expiration Date:	12/08/2001
Owner Name:	N.Y.C. DEPT. OF PARKS & RECREATION
Owner Address:	16 W 61 ST.
Owner City,St,Zip:	MANHATTAN, NY 10023
Owner Telephone:	(212) 397-3100
Owner type:	Local Government
Facility Type:	TRUCKING/TRANSPORTATION
Mail Name:	N.Y.C. DEPT. OF PARKS & RECREATION
Mail Contact Addr:	16 W 61 ST.
Mail Contact Addr2:	Not reported
Mail Contact Contact:	BORO OFFICE-JON MAZZA
Mail Contact City,St,Zip:	MANHATTAN, NY 10023
Mail Phone:	(212) 397-3100
SPDES Number:	Not reported
Facility Status:	ACTIVE FACILITY
Owner Sub Type:	Not reported

Tank Id:	00001
Date Entered:	07/19/1989
Capacity (Gal):	300
Chemical:	Chlorine
Tank Closed:	Not reported
Tank Status:	In Service
Tank Type:	Fiberglass reinforced plastic [FRP]
Install Date:	01/83
Certified Date:	11/05/1999
CAS Number:	7782505
Substance:	Single Hazardous Substance on DEC List
Tank Location:	ABOVEGROUND
Intrnl Protection:	Other
Extrnl Protection:	None,Other
Pipe Location:	Aboveground
Pipe Type:	PLASTIC
Pipe Internal:	Other
Pipe External:	09
Pipe Containment:	None,None
Tank Containment:	None,None
Leak Detection:	None,Impressed Current
Overfill Protection:	Float Vent Valve,Jacketed
Haz Percent:	15
Total Tanks:	1
Tank Secret:	False
Last Test:	Not reported
Due Date:	Not reported
Tank Error Status:	No Missing Data
SWIS Code:	6201
Lat/Long:	Not reported
Pipe Flag:	False
Federal ID:	Not reported
Is Updated:	F
Renew Date:	09/01/93
Is it There:	F
Deliquent:	F
Date Expired:	12/08/93
Owner Mark:	1

CARMINE REC. CENTER (Continued) **S102639149**

Certificate Needs to be Printed: False
Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: True
Pre-Printed Renewal App Last Printed: 09/06/2001
Total Capacity of All Active Tanks(gal): 300

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182 South 1/8-1/4 0.236 mi. 1244 ft. | **V0508** | **866 WASHINGTON AVENUE** | **NEW YORK CITY, NY 10012** | **RCRA NonGen / NLR** | **NY MANIFEST** | **1007207175** | **NYP004039236**

Relative: Higher

Actual: 7 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/03/2001
Facility name: V0508
Facility address: 866 WASHINGTON AVENUE
NEW YORK CITY, NY 10012
EPA ID: NYP004039236
Mailing address: CONSOLIDATED EDISON INC.
4 IRVING PLACE -- ROOM 300
NEW YORK, NY 10003
Contact: ANTHONY DRUMMINGS
Contact address: CONSOLIDATED EDISON INC.
NEW YORK, NY 10003
Contact country: US
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/02/2001
Facility name: V0508
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Facility name: V0508
Classification: Large Quantity Generator

V0508 (Continued) **1007207175**

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004039236
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	FRANKLIN MURRAY
Mailing Address:	4 IRVING PLACE RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	NYE0233324
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	07/01/1999
Trans1 Recv Date:	07/01/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/01/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004039236
Trans1 EPA ID:	NYD980593636
Trans2 EPA ID:	Not reported
TSDF ID:	GX3216
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	01064
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	99

R183 **40 MORTON STREET** **NY AST** **U004045508**
East **40 MORTON STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.236 mi.
1244 ft. **Site 5 of 5 in cluster R**

Relative:
Higher

Actual:
17 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-607326
Program Type:	PBS
UTM X:	584024.51997000002
UTM Y:	4509355.2187799998
Expiration Date:	N/A

Affiliation Records:

Site Id:	29179
Affiliation Type:	Owner

40 MORTON STREET (Continued) **U004045508**

Company Name:	D. CAMILLERI, LLC
Contact Type:	OWNER
Contact Name:	DAVID CAMILLERI
Address1:	PORT AUTHORITY STATION PO BOX 30128
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10011-0102
Country Code:	001
Phone:	(646) 775-5446
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	9/19/2005

Site Id:	29179
Affiliation Type:	Mail Contact
Company Name:	P.O. BOX 30128
Contact Type:	Not reported
Contact Name:	DAVID CAMILLERI
Address1:	PORT AUTHORITY STATION
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10011-0102
Country Code:	001
Phone:	(646) 485-5166
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/24/2005

Site Id:	29179
Affiliation Type:	On-Site Operator
Company Name:	40 MORTON STREET
Contact Type:	Not reported
Contact Name:	DAVID CAMILLERI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 775-5446
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/24/2005

Site Id:	29179
Affiliation Type:	Emergency Contact
Company Name:	DAVID CAMILLERI
Contact Type:	Not reported
Contact Name:	LAWRENCE DOWD

40 MORTON STREET (Continued) **U004045508**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 304-0371
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	8/24/2005

Tank Info:

Tank Number:	1
Tank Id:	62738

Equipment Records:

C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	08/03/2005
Register:	True
Modified By:	NRLOMBAR
Last Modified:	09/19/2005

X184 **BELL ATLANTIC GLOBAL NETWORKS INC** **RCRA NonGen / NLR** **1000324367**
SSE **325 HUDSON STREET** **FINDS** **NYD081664328**
1/8-1/4 **NEW YORK, NY 10013** **NY TANKS**
0.239 mi. **NY MANIFEST**
1264 ft. **Site 4 of 7 in cluster X** **US AIRS**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	HUDSON TELECOM CENTER LLC
Facility address:	325 HUDSON ST NEW YORK, NY 10013
EPA ID:	NYD081664328
Mailing address:	HUDSON ST NEW YORK, NY 10013

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Contact: MARC MORIN
Contact address: HUDSON ST
NEW YORK, NY 10013
Contact country: US
Contact telephone: (212) 741-1440
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HUDSON TELECOM CENTER LLC
Owner/operator address: 325 HUDSON ST
NEW YORK, NY 10013
Owner/operator country: US
Owner/operator telephone: (212) 741-1440
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HUDSON TELECOM CENTER LLC
Owner/operator address: 325 HUDSON ST
NEW YORK, NY 10013
Owner/operator country: US
Owner/operator telephone: (212) 741-1440
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: HUDSON TELECOM CENTER LLC
Classification: Not a generator, verified

Date form received by agency: 12/14/1999
Facility name: HUDSON TELECOM CENTER LLC
Classification: Small Quantity Generator

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Date form received by agency: 07/08/1999
Facility name: HUDSON TELECOM CENTER LLC
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110001612988

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

TANKS:
Facility Id: 2-609617
Region: STATE
DEC Region: 2
Site Status: Active
Program Type: PBS
Expiration Date: 2014/06/17
UTM X: 583816.95077999996
UTM Y: 4508890.0229700003

NY MANIFEST:
EPA ID: NYD081664328
Country: USA
Mailing Name: ENZO BIO CHEM INCORPORATED
Mailing Contact: RALPH AKHAVI-VP OF OPER.
Mailing Address: 40 OAK DRIVE
Mailing Address 2: Not reported
Mailing City: SYOSSET
Mailing State: NY
Mailing Zip: 11791
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-741-3838

Document ID: NYG1710882

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Manifest Status:	Not reported
Trans1 State ID:	NYD077444263
Trans2 State ID:	Not reported
Generator Ship Date:	01/10/2000
Trans1 Recv Date:	01/10/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/11/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	68235AKNY
Waste Code:	F001 - UNKNOWN
Quantity:	00015
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00027
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00005
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00015
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYA6255936
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NY92303GM
Trans2 State ID:	Not reported
Generator Ship Date:	880301
Trans1 Recv Date:	880301
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880301
Part A Recv Date:	890307
Part B Recv Date:	880314
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

TSDF ID:	NYD049178296
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00090
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NYA7705845
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890622
Trans1 Recv Date:	890622
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890622
Part A Recv Date:	890629
Part B Recv Date:	890630
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00200
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	89

Document ID:	NYA7708014
Manifest Status:	Completed copy
Trans1 State ID:	LJ9742NY
Trans2 State ID:	Not reported
Generator Ship Date:	890905
Trans1 Recv Date:	890905
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890905
Part A Recv Date:	890906
Part B Recv Date:	890926
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Quantity:	00150
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	89

Document ID:	NYA7707762
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890828
Trans1 Recv Date:	890828
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890828
Part A Recv Date:	890830
Part B Recv Date:	890907
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00150
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	89

Document ID:	NYB2181465
Manifest Status:	Completed copy
Trans1 State ID:	GW8136NY
Trans2 State ID:	Not reported
Generator Ship Date:	900118
Trans1 Recv Date:	900118
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900118
Part A Recv Date:	900129
Part B Recv Date:	900205

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00150
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	90

Document ID:	NYB2180124
Manifest Status:	Completed copy
Trans1 State ID:	MA7222NY
Trans2 State ID:	Not reported
Generator Ship Date:	891027
Trans1 Recv Date:	891027
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	891027
Part A Recv Date:	891031
Part B Recv Date:	891116
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	89

Document ID:	NYA7735572
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	890221

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Trans1 Recv Date:	890221
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	890221
Part A Recv Date:	890228
Part B Recv Date:	890320
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00120
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	89

Document ID:	NYB2183004
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	GW8136NY
Trans2 State ID:	Not reported
Generator Ship Date:	900406
Trans1 Recv Date:	900406
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900406
Part A Recv Date:	900810
Part B Recv Date:	900530
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00240
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00020
Units:	P - Pounds

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	90

Document ID:	NYA7741836
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	881107
Trans1 Recv Date:	881107
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	881107
Part A Recv Date:	881115
Part B Recv Date:	881118
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00060
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NYA7740198
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	880805
Trans1 Recv Date:	880805
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880805
Part A Recv Date:	880811
Part B Recv Date:	880817
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00120
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

Document ID:	NYB2191464
Manifest Status:	Completed copy

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Trans1 State ID:	GW8136NY
Trans2 State ID:	Not reported
Generator Ship Date:	900827
Trans1 Recv Date:	900827
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900827
Part A Recv Date:	900906
Part B Recv Date:	900910
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00300
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

Document ID:	NYB2170161
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PC4338NY
Trans2 State ID:	Not reported
Generator Ship Date:	910328
Trans1 Recv Date:	910328
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910328
Part A Recv Date:	910405
Part B Recv Date:	910509
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00350
Units:	P - Pounds
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Waste Code:	Not reported
Quantity:	00040
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00040
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00040
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	91

Document ID:	NYB2191392
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYPC4341
Trans2 State ID:	Not reported
Generator Ship Date:	900918
Trans1 Recv Date:	900918
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	900918
Part A Recv Date:	901025
Part B Recv Date:	901011
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	R001 - CHEMOTHERAPY WASTE RI ONLY
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	90

Document ID:	NYB2170467
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PC4341
Trans2 State ID:	Not reported
Generator Ship Date:	910328
Trans1 Recv Date:	910328
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910328
Part A Recv Date:	910529

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Part B Recv Date:	910418
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	R001 - CHEMOTHERAPY WASTE RI ONLY
Quantity:	00085
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NYA6370947
Manifest Status:	Completed copy
Trans1 State ID:	NY92303-G
Trans2 State ID:	Not reported
Generator Ship Date:	870805
Trans1 Recv Date:	870805
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	870805
Part A Recv Date:	870811
Part B Recv Date:	870817
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00240
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00040
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00005
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00040
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Waste Code:	Not reported
Quantity:	00080
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	87

Document ID:	NYB2169432
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	GW8136NY
Trans2 State ID:	Not reported
Generator Ship Date:	910115
Trans1 Recv Date:	910115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	910115
Part A Recv Date:	910131
Part B Recv Date:	910219
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00120
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	91

Document ID:	NYA7739271
Manifest Status:	Completed copy
Trans1 State ID:	NYMA7222
Trans2 State ID:	Not reported
Generator Ship Date:	880516
Trans1 Recv Date:	880516
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880516
Part A Recv Date:	880523
Part B Recv Date:	880601
Generator EPA ID:	NYD081664328
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00180
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

AIRS (AFS):

Airs Minor Details:

EPA plant ID:	110001612988
Plant name:	BELL ATLANTIC GLOBAL NETWORKS INC
Plant address:	325 HUDSON STREET NEW YORK, NY 10013
County:	NEW YORK
Region code:	02
Dunn & Bradst #:	Not reported
Air quality cntrl region:	043
Sic code:	4813
Sic code desc:	TELEPHONE COMMUNICATIONS, EXCEPT RADIO (1987)
North Am. industrial classf:	Not reported
NAIC code description:	Not reported
Default compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification:	POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Historical Compliance Minor Sources:

State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1001
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1004
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1102
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1201
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1203
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	0904
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1002
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1003
Air prog code hist file:	0
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

BELL ATLANTIC GLOBAL NETWORKS INC (Continued) **1000324367**

Hist compliance date: 1101
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: 0

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

X185 **LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3** **NY AST** **A100173399**
SSE **325 HUDSON STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.239 mi.
1264 ft. **Site 5 of 7 in cluster X**

Relative:
Higher

Actual:
14 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-305456
Program Type: PBS
UTM X: 583818.25
UTM Y: 4508892.5
Expiration Date: 2017/04/25

Affiliation Records:
Site Id: 13957
Affiliation Type: Mail Contact
Company Name: JAMESTOWN 325 HUDSON, L.P.
Contact Type: Not reported
Contact Name: GLENN DVORAK
Address1: 325 HUDSON ST
Address2: FIRST FLOOR
City: NEW YORK
State: NY

LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3 (Continued) **A100173399**

Zip Code:	10013
Country Code:	001
Phone:	(212) 741-1440
Phone Ext:	Not reported
Email:	GLENN.DVORAK@JAMESTOWNPROPERTIES.COM
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	10/9/2012

Site Id:	13957
Affiliation Type:	On-Site Operator
Company Name:	HUDSON TELECOM CENTER LLC
Contact Type:	Not reported
Contact Name:	JOE FISCO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 741-1440
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/9/2009

Site Id:	13957
Affiliation Type:	Emergency Contact
Company Name:	HUDSON TELECOM CENTER LLC C/O BRISTOL GROUP INC.
Contact Type:	Not reported
Contact Name:	FRANK MOLLO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 440-1727
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	10/12/2006

Site Id:	13957
Affiliation Type:	Owner
Company Name:	JAMESTOWN 325 HUDSON, L.P.
Contact Type:	PROPERTY MGR
Contact Name:	GLENN DVORAK
Address1:	325 HUDSON ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 741-1440

LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3 (Continued) **A100173399**

Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	10/9/2012

Tank Info:

Tank Number:	002
Tank Id:	59184

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
I02 - Overfill - High Level Alarm
B01 - Tank External Protection - Painted/Asphalt Coating
C03 - Pipe Location - Aboveground/Underground Combination
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Administratively Closed
Pipe Model:	Not reported
Install Date:	12/01/2000
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JMKRIMGO
Last Modified:	12/01/2005

Tank Number:	1
Tank Id:	229540

Equipment Records:

E00 - Piping Secondary Containment - None
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G06 - Tank Secondary Containment - Remote Impounding Area
K00 - Spill Prevention - None
D03 - Pipe Type - Stainless Steel Alloy
I02 - Overfill - High Level Alarm
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/2000

LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3 (Continued) **A100173399**

Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	08/18/2009

Tank Number:	1
Tank Id:	213976

Equipment Records:

C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E02 - Piping Secondary Containment - Vault (with Access)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/01/2000
Capacity Gallons:	3100
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	10/09/2012

Tank Number:	1-A
Tank Id:	16332

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
G00 - Tank Secondary Containment - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron

LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3 (Continued) **A100173399**

Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/03/1999
Register:	True
Modified By:	KXTANG
Last Modified:	10/12/2006

Tank Number:	2
Tank Id:	213977

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E02 - Piping Secondary Containment - Vault (with Access)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/01/2000
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	10/09/2012

Tank Number:	3
Tank Id:	213978

Equipment Records:

H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E02 - Piping Secondary Containment - Vault (with Access)
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)

LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3 (Continued) **A100173399**

J02 - Dispenser - Suction
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/01/2000
Capacity Gallons:	5500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	10/09/2012

Tank Number:	4
Tank Id:	213979

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E02 - Piping Secondary Containment - Vault (with Access)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/01/2000
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	10/12/2006

Affiliation Records:

Site Id:	416655
Affiliation Type:	Owner
Company Name:	LEVEL 3 COMMUNICATIONS LLC
Contact Type:	ENVIRONMENTAL PROJECT MANAGER
Contact Name:	KIRSTEN LEAMER
Address1:	5095 RITTER ROAD, SUITE 106
Address2:	Not reported
City:	MECHANICSBURG
State:	PA

LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3 (Continued) **A100173399**

Zip Code:	17055
Country Code:	001
Phone:	(717) 506-7601
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	MAPERSSO
Date Last Modified:	9/14/2009

Site Id:	416655
Affiliation Type:	Mail Contact
Company Name:	LEVEL 3 COMMUNICATIONS LLC
Contact Type:	Not reported
Contact Name:	KIRSTEN LEAMER
Address1:	5095 RITTER ROAD
Address2:	SUITE 106
City:	MECHANICSBURG
State:	PA
Zip Code:	17055
Country Code:	001
Phone:	(717) 506-7601
Phone Ext:	Not reported
Email:	KIRSTEN.LEAMER@LEVEL3.COM
Fax Number:	Not reported
Modified By:	MAPERSSO
Date Last Modified:	9/14/2009

Site Id:	416655
Affiliation Type:	On-Site Operator
Company Name:	LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3
Contact Type:	Not reported
Contact Name:	DAVE TRAINOR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 305-2320
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	8/18/2009

Site Id:	416655
Affiliation Type:	Emergency Contact
Company Name:	LEVEL 3 COMMUNICATIONS LLC
Contact Type:	Not reported
Contact Name:	DAVE TRAINOR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 305-2320

LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3 (Continued) **A100173399**

Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	7/1/2011

Tank Info:

Tank Number:	002
Tank Id:	59184

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
I02 - Overfill - High Level Alarm
B01 - Tank External Protection - Painted/Asphalt Coating
C03 - Pipe Location - Aboveground/Underground Combination
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
I05 - Overfill - Vent Whistle
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Administratively Closed
Pipe Model:	Not reported
Install Date:	12/01/2000
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JMKRIMGO
Last Modified:	12/01/2005

Tank Number:	1
Tank Id:	229540

Equipment Records:

E00 - Piping Secondary Containment - None
A00 - Tank Internal Protection - None
J01 - Dispenser - Submersible
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
G06 - Tank Secondary Containment - Remote Impounding Area
K00 - Spill Prevention - None
D03 - Pipe Type - Stainless Steel Alloy
I02 - Overfill - High Level Alarm
H02 - Tank Leak Detection - Interstitial - Manual Monitoring
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/2000

LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3 (Continued) **A100173399**

Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	dxliving
Last Modified:	08/18/2009

Tank Number:	1
Tank Id:	213976

Equipment Records:

C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E02 - Piping Secondary Containment - Vault (with Access)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/01/2000
Capacity Gallons:	3100
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	10/09/2012

Tank Number:	1-A
Tank Id:	16332

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
G00 - Tank Secondary Containment - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron

LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3 (Continued) **A100173399**

Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/03/1999
Register:	True
Modified By:	KXTANG
Last Modified:	10/12/2006

Tank Number:	2
Tank Id:	213977

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E02 - Piping Secondary Containment - Vault (with Access)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/01/2000
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	10/09/2012

Tank Number:	3
Tank Id:	213978

Equipment Records:

H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E02 - Piping Secondary Containment - Vault (with Access)
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)

LEVEL 3 COMMUNICATIONS LLC-NYCMNYF3 (Continued) **A100173399**

J02 - Dispenser - Suction
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/01/2000
Capacity Gallons:	5500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	10/09/2012

Tank Number:	4
Tank Id:	213979

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J02 - Dispenser - Suction
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
I03 - Overfill - Automatic Shut-Off
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E02 - Piping Secondary Containment - Vault (with Access)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/01/2000
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	10/12/2006

S186 **CARMINE REC. CENTER** **NY CBS** **S108410783**
East **1 CLARKSON ST.** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.242 mi.
1277 ft. **Site 3 of 10 in cluster S**

Relative:
Higher

Actual:
16 ft.

CBS:

CBS Number:	2-000147
Program Type:	CBS
Dec Region:	2
Expiration Date:	N/A

CARMINE REC. CENTER (Continued) **S108410783**

Facility Status: Unregulated
UTMX: 583942
UTMY: 4509218

S187
ESE
1/8-1/4
0.242 mi.
1280 ft.

CORPORATE PRINTING CO **RCRA NonGen / NLR** **1001090352**
225 VARICK ST - 12TH FLOOR **FINDS** **NYR000021899**
NEW YORK, NY 10014 **NY MANIFEST**

Site 4 of 10 in cluster S

Relative:
Higher

Actual:
17 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: CORPORATE PRINTING CO
Facility address: 225 VARICK ST - 12TH FLOOR
NEW YORK, NY 10014
EPA ID: NYR000021899
Mailing address: VARICK ST - 12TH FLOOR
NEW YORK, NY 10014
Contact: Not reported
Contact address: VARICK ST - 12TH FLOOR
NEW YORK, NY 10014
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: GEORGE SHIFRIN
Owner/operator address: 225 VARICK ST - 12TH FL
NEW YORK, NY 10014
Owner/operator country: US
Owner/operator telephone: (212) 229-6590
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GEORGE SHIFRIN
Owner/operator address: 225 VARICK ST - 12TH FL
NEW YORK, NY 10014
Owner/operator country: US
Owner/operator telephone: (212) 229-6590
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

CORPORATE PRINTING CO (Continued) **1001090352**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	CORPORATE PRINTING CO
Classification:	Not a generator, verified
Date form received by agency:	07/08/1999
Facility name:	CORPORATE PRINTING CO
Classification:	Not a generator, verified
Date form received by agency:	04/04/1996
Facility name:	CORPORATE PRINTING CO
Classification:	Large Quantity Generator
Violation Status:	No violations found

FINDS:

Registry ID: 110004523757

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID:	NYD986972123
Country:	USA
Mailing Name:	MEDICONE
Mailing Contact:	BERNARD BERNSTEIN
Mailing Address:	225 VARICK STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10013
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-924-5166

Document ID: NYB7650531

CORPORATE PRINTING CO (Continued) **1001090352**

Manifest Status:	Completed copy
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported
Generator Ship Date:	960411
Trans1 Recv Date:	960411
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960411
Part A Recv Date:	960418
Part B Recv Date:	960424
Generator EPA ID:	NYR000021899
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	079
Year:	96

EPA ID:	NYR000078220
Country:	USA
Mailing Name:	MERRILL CORPORATION
Mailing Contact:	KAREN GESLER
Mailing Address:	225 VARICK ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-229-6511

Document ID:	NYB7650531
Manifest Status:	Completed copy
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported
Generator Ship Date:	960411
Trans1 Recv Date:	960411
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960411
Part A Recv Date:	960418
Part B Recv Date:	960424
Generator EPA ID:	NYR000021899
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	079

CORPORATE PRINTING CO (Continued) **1001090352**

Year:	96
EPA ID:	NYR000021899
Country:	USA
Mailing Name:	CORPORATE PRINTING CO
Mailing Contact:	NEAL LIVINGSTON
Mailing Address:	225 VARICK ST 12TH FLOOR
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-229-6590
Document ID:	NYB7650531
Manifest Status:	Completed copy
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported
Generator Ship Date:	960411
Trans1 Recv Date:	960411
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960411
Part A Recv Date:	960418
Part B Recv Date:	960424
Generator EPA ID:	NYR000021899
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	079
Year:	96

S188 **225 VARRICK ST/MANH** **NY AST** **S102145556**
ESE **225 VARRICK STREET** **NY Spills** **N/A**
1/8-1/4 **NEW YORK CITY, NY** **NY Hist Spills**
0.242 mi.
1280 ft. **Site 5 of 10 in cluster S**

Relative:
Higher

Actual:
17 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-109886
Program Type:	PBS
UTM X:	584032.85589999997
UTM Y:	4509156.1511399997
Expiration Date:	N/A

Affiliation Records:

Site Id:	3329
Affiliation Type:	Owner

225 VARRICK ST/MANH (Continued) **S102145556**

Company Name:	RECTOR CHURCH WARDENS & VESTRYMEN OF TRINITY CHU.
Contact Type:	ASSISTANT VP OF PROP MGMT
Contact Name:	PETER A. ST. JOHN
Address1:	74 TRINITY PLACE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 602-0854
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/7/2011

Site Id:	3329
Affiliation Type:	Mail Contact
Company Name:	TRINITY REAL ESTATE
Contact Type:	Not reported
Contact Name:	PETER A. ST. JOHN
Address1:	74 TRINITY PLACE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(646) 613-9421
Phone Ext:	Not reported
Email:	PSTJOHN@TRINITYWALLSTREET.OTG
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/7/2011

Site Id:	3329
Affiliation Type:	On-Site Operator
Company Name:	225 VARICK ST
Contact Type:	Not reported
Contact Name:	DJINO CELIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-6572
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	3329
Affiliation Type:	Emergency Contact
Company Name:	RECTOR CHURCH WARDENS & VESTRYMEN OF TRINITY CHU.
Contact Type:	Not reported
Contact Name:	DJINO CELIC

225 VARRICK ST/MANH (Continued) **S102145556**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-6572
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	7831

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	01/01/1978
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	08/16/2011
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/07/2011

Tank Number:	002
Tank Id:	237283

Equipment Records:

C01 - Pipe Location - Aboveground
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
E09 - Piping Secondary Containment - Modified Double-Walled

225 VARRICK ST/MANH (Continued) **S102145556**

(Aboveground)
K00 - Spill Prevention - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None
I02 - Overfill - High Level Alarm

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	02/18/2004
Capacity Gallons:	1080
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	BVCAMPBE
Last Modified:	12/09/2010

SPILLS:

Facility ID:	8907841
DER Facility ID:	210187
Facility Type:	ER
Site ID:	256679
DEC Region:	2
Spill Number:	8907841
Spill Date:	11/8/1989
Spill Cause:	Equipment Failure
Spill Class:	Not reported
Spill Closed Date:	11/8/1989
SWIS:	3101
Investigator:	O'DOWD
Referred To:	Not reported
Reported to Dept:	11/8/1989
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Notifier:	Responsible Party
Cleanup Ceased:	11/8/1989
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/8/1989
Spill Record Last Update:	3/12/2003
Spiller Name:	Not reported
Spiller Company:	HESS
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	FITTING ON FILL PIPE IS LOOSE, CONTAINED ON CONCRETE, CLEAN UP DONE BYHESS PERSONNEL.

225 VARRICK ST/MANH (Continued) **S102145556**

Material:

Site ID:	256679
Operable Unit ID:	935447
Operable Unit:	01
Material ID:	444619
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	8907841
Investigator:	O'DOWD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	11/08/1989 08:45
Reported to Dept Date/Time:	11/08/89 09:34
SWIS:	62
Spiller Name:	HESS
Spiller Contact:	Not reported
Spiller Phone:	(212) 602-0865
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Equipment Failure
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	08
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	11/08/89
Cleanup Meets Std:	True
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended

225 VARRICK ST/MANH (Continued) **S102145556**

Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Not reported
Spill Closed Dt: 11/08/89
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 11/08/89
Date Spill Entered In Computer Data File: Not reported
Update Date: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 5
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: FITTING ON FILL PIPE IS LOOSE, CONTAINED ON CONCRETE, CLEAN UP DONE BYHESS PERSONNEL.

S189 **MEDICONE** **RCRA NonGen / NLR** **1004758018**
ESE **225 VARICK ST - 11TH FL** **FINDS** **NYD986972123**
1/8-1/4 **NEW YORK, NY 10014**
0.242 mi.
1280 ft. **Site 6 of 10 in cluster S**

Relative:
Higher

Actual:
17 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: MEDICONE
Facility address: 225 VARICK ST - 11TH FL
NEW YORK, NY 10014
EPA ID: NYD986972123
Mailing address: VARICK ST - 11TH FL
NEW YORK, NY 10014
Contact: BERNARD BERNSTEIN
Contact address: VARICK ST - 11TH FL
NEW YORK, NY 10014
Contact country: US
Contact telephone: (212) 924-5166
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator

MEDICONE (Continued) **1004758018**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PARISH OF TRINITY CHURCH
Owner/operator address: 74 TRINITY PL
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: (212) 602-0800
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PARISH OF TRINITY CHURCH
Owner/operator address: 74 TRINITY PL
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: (212) 602-0800
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MEDICONE
Classification: Not a generator, verified

Date form received by agency: 10/03/1991
Facility name: MEDICONE
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004476816

Environmental Interest/Information System

MEDICONE (Continued) **1004758018**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

S190 **MERRILL CORP** **RCRA NonGen / NLR** **1001818288**
ESE **225 VARICK ST 8TH FLOOR** **FINDS** **NYR000078220**
1/8-1/4 **NEW YORK, NY 10014**
0.242 mi.
1280 ft. **Site 7 of 10 in cluster S**

Relative:
Higher

Actual:
17 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MERRILL CORP
Facility address:	225 VARICK ST 8TH FLOOR NEW YORK, NY 100144304
EPA ID:	NYR000078220
Mailing address:	VARICK ST 8TH FLOOR NEW YORK, NY 100144304
Contact:	KAREN GESLER
Contact address:	VARICK ST 8TH FLOOR NEW YORK, NY 100144304
Contact country:	US
Contact telephone:	(212) 229-6685
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PARISH OF TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0860
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	PARISH OF TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0860
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

MERRILL CORP (Continued) **1001818288**

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MERRILL CORP
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Facility name: MERRILL CORP
Site name: MERRILL CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 10/28/1999
Facility name: MERRILL CORP
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110004557382

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

S191 **CON EDISION - VO4967** **RCRA NonGen / NLR** **1007208032**
ESE **221 VARICK ST 221 VARICK ST** **NY MANIFEST** **NYP004080685**
1/8-1/4 **NEW YORK, NY 10003**
0.243 mi.
1282 ft. **Site 8 of 10 in cluster S**

Relative:
Higher

Actual:
17 ft.

RCRA NonGen / NLR:
Date form received by agency: 06/02/2002
Facility name: CON EDISION - VO4967
Facility address: 221 VARICK ST 221 VARICK ST
NEW YORK, NY 10003
EPA ID: NYP004080685
Mailing address: IRVING PLACE
NEW YORK, NY 10003
Contact: ANTHONY DRUMMINGS
Contact address: IRVING PLACE

CON EDISION - VO4967 (Continued) **1007208032**

NEW YORK, NY 10003
Contact country: US
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 06/01/2002
Facility name: CON EDISION - VO4967
Classification: Not a generator, verified

Date form received by agency: 05/31/2002
Facility name: CON EDISION - VO4967
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004080685
Country: USA
Mailing Name: CONSOLIDATED EDISON
Mailing Contact: FRANKLIN MURRAY
Mailing Address: 4 IRVING PLACE RM 828
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10003
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 212-460-2808

Document ID: NYE0709947
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 04/25/2001
Trans1 Recv Date: 04/25/2001

CON EDISION - VO4967 (Continued) **1007208032**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/25/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004080685
Trans1 EPA ID:	NYD980593636
Trans2 EPA ID:	Not reported
TSDF ID:	20856AD
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	02709
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

W192 **EDR US Hist Cleaners** **1015062655**
ENE **45 GROVE CT** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.243 mi.
1285 ft. **Site 7 of 9 in cluster W**

Relative:
Higher

Actual:
19 ft.

EDR Historical Cleaners:

Name:	MICHAELS LAUNDRY
Year:	2003
Address:	45 GROVE CT

AB193 **US DEPT OF HOMELAND SECURITY** **NY HSWDS** **S108146432**
ESE **201 VARICK STREET** **NY MANIFEST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.244 mi.
1287 ft. **Site 1 of 5 in cluster AB**

Relative:
Higher

Actual:
17 ft.

HSWDS:

Facility ID:	Not reported
Region:	2
Facility Status:	Unknown
Owner Type:	F
Owner:	General Services Admin
Owner Address:	26 Federal Plaza
Owner Phone:	212-264-8787
Operator Type:	F
Operator:	Same
Operator:	Same
Operator Phone:	Unknown
EPA ID:	NY4690311002
Registry:	Not on NYS Registry of Inactive Haz Waste Disposal Sites
Registry Site ID:	Unknown
RCRA Permitted:	Unknown
Site Code:	5-office
Owner City State:	NY, NY
Operator City State:	Not reported
Quadrange:	Unknown
Latitude:	30 40' "N
Longitude:	53 32' "W

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Acres:	0.00
Operator Date:	Unknown
Close Date:	Unknown
Completed:	PA/SI
Active:	Unknown
PCB's Disposed:	No
Pesticides Disposed:	No
Metals Disposed:	No
Asbestos Disposed:	No
Volatile Organic Compounds Disposed:	No
Semi Volatile Organic Compounds Disposed:	No
Analytical Info Exists for Air:	Not reported
Analytical Info Exists for Ground:	None
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Sediments:	Not reported
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Substance:	Not reported
Analytical Info Exists for Waste:	Not reported
Analytical Info Exists for Leachate:	Not reported
Analytical Info Exists for EP Toxicity:	Not reported
Analytical Info Exists for TCLP:	Not reported
Threat to Environment/Public Health:	Unknown
Surface Water Contamination:	Unknown
Surface Water Body Class:	Unknown
Groundwater Contamination:	Unknown
Groundwater Classification:	Unknown
Drinking Water Contamination:	Unknown
Drinking Water Supply is Active:	Unknown
Any Known Fish or Wildlife:	Unknown
Hazardous Exposure:	Unknown
Site Has Controlled Acess:	Unknown
Ambient Air Contamination:	Unknown
Direct Contact:	Unknown
EPA Hazardous Ranking System Score:	Unknown
Inventory:	F
Nefrap:	Not reported
Mailing:	Not reported
Tax Map No:	Not reported
Qualify:	0
Next Action:	Not reported
Agencies:	Not reported
Air:	Not reported
Building:	Not reported
Site Desc:	Not reported
Drink:	Not reported
Eptox:	Not reported
Fish:	Not reported
Ground:	Not reported
Ground Desc:	Not reported
Hazardous Threat:	Not reported
Haz Threat Desc:	Not reported
Leachate:	Not reported
Preparer:	Not reported
Sediment:	Not reported
Soil:	Not reported
Surface:	Not reported
Status:	Not reported

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Surface Soil:	Not reported
Surface:	Not reported
TCLP:	Not reported
Waste:	Not reported

NY MANIFEST:

EPA ID:	NY8470000128
Country:	USA
Mailing Name:	US DEPT OF HOMELAND SECURITY
Mailing Contact:	BRIAN MIDDENDORF
Mailing Address:	201 VARRICK ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-337-2697

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000134957
Trans2 State ID:	NJD054126164
Generator Ship Date:	2011-10-18
Trans1 Recv Date:	2011-10-18
Trans2 Recv Date:	2011-10-20
TSD Site Recv Date:	2011-11-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	MID980991566
Waste Code:	Not reported
Quantity:	4200.0
Units:	P - Pounds
Number of Containers:	14.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	008574869JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-09-01
Trans1 Recv Date:	2011-09-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-09-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	21.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-09-01
Trans1 Recv Date:	2011-09-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-09-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-09-01
Trans1 Recv Date:	2011-09-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-09-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-09-01
Trans1 Recv Date:	2011-09-01
Trans2 Recv Date:	Not reported

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

TSD Site Recv Date:	2011-09-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	7.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-09-01
Trans1 Recv Date:	2011-09-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-09-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-09-01
Trans1 Recv Date:	2011-09-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-09-06
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	29.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-09
Trans1 Recv Date:	2011-12-09
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-13
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	4.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004160085FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-09
Trans1 Recv Date:	2011-12-09
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-13
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004160085FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-09
Trans1 Recv Date:	2011-12-09
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-13
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004160085FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2011-12-09
Trans1 Recv Date:	2011-12-09
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2011-12-13
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	29.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Year:	2011
Manifest Tracking Num:	004160085FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	NYD982792814
Generator Ship Date:	2011-09-01
Trans1 Recv Date:	2011-09-01
Trans2 Recv Date:	2011-09-07
TSD Site Recv Date:	2011-09-13
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD048415665
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142562FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H040

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2012-09-27
Trans1 Recv Date:	2012-09-27

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-09-27
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000958531GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-01
Trans1 Recv Date:	2012-03-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	11.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004551486FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-01
Trans1 Recv Date:	2012-03-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	48.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004551486FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-01
Trans1 Recv Date:	2012-03-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	138.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004551486FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	2012-03-01
Trans1 Recv Date:	2012-03-01
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2012-03-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	5.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	004551486FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

US DEPT OF HOMELAND SECURITY (Continued) **S108146432**

Mgmt Method Type Code: H141

AB194 **FEDERAL BUILDING / GSA** **CERC-NFRAP** **1001029220**
ESE **201 VARICK ST** **RCRA NonGen / NLR** **NY8470000128**
1/8-1/4 **NEW YORK, NY 10014** **RADINFO**
0.244 mi. **FINDS**
1287 ft. **Site 2 of 5 in cluster AB**

Relative:
Higher

Actual:
17 ft.

CERC-NFRAP:
Site ID: 0203320
Federal Facility: Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 2276342.00000
Person ID: 2000168.00000

Contact Sequence ID: 2276672.00000
Person ID: 2000112.00000

Contact Sequence ID: 13114875.00000
Person ID: 2000112.00000

Contact Sequence ID: 13120706.00000
Person ID: 2000176.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: GENERAL SERVICES ADMINISTRATION
Alias Address: 201 VARICK STREET
NEW YORK, NY 10014

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 12/10/1986
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 04/08/1988
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 04/08/1988
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA NonGen / NLR:
Date form received by agency: 01/07/2008
Facility name: FEDERAL BUILDING / GSA
Facility address: 201 VARICK STREET
NEW YORK, NY 10014
EPA ID: NY8470000128
Mailing address: VARICK STREET
NEW YORK, NY 10014

FEDERAL BUILDING / GSA (Continued) **1001029220**

Contact:	BRIAN C MIDDENDORF
Contact address:	Not reported
	Not reported
Contact country:	Not reported
Contact telephone:	(212) 337-2693
Contact email:	BRIAN.MIDDEDOFF.@COM
EPA Region:	02
Land type:	Federal
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	US FEDERAL GOVT
Owner/operator address:	NOT REQUIRED
	NOT REQUIRED, WY 99999
Owner/operator country:	Not reported
Owner/operator telephone:	(212) 555-1212
Legal status:	Federal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	GENERAL SERVICES ADMIN
Owner/operator address:	VARIEK STREET
	NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Federal
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Owner/operator name:	GENERAL SERVICES ADMIN
Owner/operator address:	VARICK STREET
	NEW YORK, NY 10014
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Federal
Owner/Operator Type:	Owner
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

FEDERAL BUILDING / GSA (Continued) **1001029220**

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2007
Facility name: FEDERAL BUILDING / GSA
Site name: US DEPT OF ENERGY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2006
Facility name: FEDERAL BUILDING / GSA
Site name: US DEPT OF ENERGY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/14/1999
Facility name: FEDERAL BUILDING / GSA
Site name: US DEPT OF ENERGY
Classification: Small Quantity Generator

Date form received by agency: 02/06/1986
Facility name: FEDERAL BUILDING / GSA
Site name: US DEPT OF ENERGY
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: NONE
Waste name: None

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/23/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/05/1990

FEDERAL BUILDING / GSA (Continued) **1001029220**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

RADINFO:
Program ID: RAD200000074
Registery ID: 110012516740
Country: USA
Primary Name: FED BLDG GSA
County: NEW YORK
Supplemental Location: Not reported
Post Dir: Not reported
State: NEW YORK
Region Code: 2
Congressional District: 8
Legislative District: NY
HUC Code: 2030101
Source: RADINFO
Fed Agency Code: E8900
Federal Facility: Yes
Indian Land: No
Indian Land Name: Not reported

FINDS:

Registry ID: 110012516740

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

RADINFO (Radiation Information Database) contains basic information about certain facilities that the U.S. Environmental Protection Agency (EPA) regulates for radiation and radioactivity. The regulations that govern radiation across the federal government are complex, and, therefore, RADINFO may not include every facility you might expect to find.

AB195 **US DEPARTMENT OF ENERGY** **NJ MANIFEST** **S108793889**
ESE **201 VARICK STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.244 mi.
1287 ft. **Site 3 of 5 in cluster AB**

Relative:
Higher

Actual:
17 ft.

NJ MANIFEST:
Manifest Code: 001032330JJK
EPA ID: NY8470000128
Date Shipped: 07/13/2009
TSDF EPA ID: NJD002200046
Transporter EPA ID: NJ0000027193

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/13/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/13/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	30
Unit:	G
Hand Code:	H141
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	5
Unit:	G
Hand Code:	H141
Waste Code:	D002
Manifest Year:	2009 New Jersey Manifest Data

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Quantity:	5
Unit:	G
Hand Code:	H141
Waste Code:	D005
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	5
Unit:	G
Hand Code:	H141
Waste Code:	D001
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	55
Unit:	G
Hand Code:	H141

Manifest Code:	001029875JJK
EPA ID:	NY8470000128
Date Shipped:	02/13/2007
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/13/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/13/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	4
Unit:	CY
Hand Code:	H06
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	100
Unit:	P
Hand Code:	H14
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	15
Unit:	G
Hand Code:	H06
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	5
Unit:	G
Hand Code:	H14
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	55
Unit:	G
Hand Code:	H06
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	25
Unit:	G
Hand Code:	H14
Waste Code:	D002
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	5
Unit:	G
Hand Code:	H14

Manifest Code:	003533016JJK
EPA ID:	NY8470000128
Date Shipped:	06/03/2010
TSDF EPA ID:	NJD002200046

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/03/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/03/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	15
Unit:	P
Hand Code:	H141
Waste Code:	D009
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	1
Unit:	P
Hand Code:	H141
Waste Code:	D006

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Manifest Year:	2010 New Jersey Manifest Data
Quantity:	70
Unit:	P
Hand Code:	H141

Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	30
Unit:	P
Hand Code:	H141

Waste Code:	D002
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	10
Unit:	P
Hand Code:	H141

Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	15
Unit:	P
Hand Code:	H141

Waste Code:	U075
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	5
Unit:	P
Hand Code:	H141

Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	1
Unit:	P
Hand Code:	H141

Manifest Code:	003533020JJK
EPA ID:	NY8470000128
Date Shipped:	06/03/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/03/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/03/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	10
Unit:	P
Hand Code:	H141
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	5
Unit:	P
Hand Code:	H141
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	2
Unit:	P
Hand Code:	H141
Manifest Code:	001034776JJK
EPA ID:	NY8470000128
Date Shipped:	03/16/2007
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/16/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/16/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	165
Unit:	G
Hand Code:	H06
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	60
Unit:	G
Hand Code:	H06
Manifest Code:	001030580JJK
EPA ID:	NY8470000128
Date Shipped:	06/20/2007
TSDF EPA ID:	NJD002200046

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/20/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/20/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	5
Unit:	G
Hand Code:	H14
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	30
Unit:	G
Hand Code:	H14
Waste Code:	D003

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Manifest Year:	2007 New Jersey Manifest Data
Quantity:	5
Unit:	G
Hand Code:	H14
Waste Code:	D001
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	55
Unit:	G
Hand Code:	H06

Manifest Code:	001030581JJK
EPA ID:	NY8470000128
Date Shipped:	06/20/2007
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/20/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/20/2007
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D002
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	55
Unit:	G
Hand Code:	H14

Waste Code:	D002
Manifest Year:	2007 New Jersey Manifest Data
Quantity:	5
Unit:	G
Hand Code:	H14

Manifest Code:	001085989GBF
EPA ID:	NY8470000128
Date Shipped:	02/09/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/09/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/09/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	60
Unit:	G
Hand Code:	H061
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	55
Unit:	G
Hand Code:	H141
Waste Code:	D001
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	15
Unit:	G
Hand Code:	H141
Waste Code:	D002
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	5
Unit:	G
Hand Code:	H141

Manifest Code:	003533129JJK
EPA ID:	NY8470000128
Date Shipped:	05/27/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/27/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported

US DEPARTMENT OF ENERGY (Continued) **S108793889**

Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/27/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D009
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	2250
Unit:	P
Hand Code:	H141

196
NNE
1/8-1/4
0.244 mi.
1287 ft.

VILLAGE COMMUNITY SCHOOL **NY AST** **U003390544**
272 WEST 10TH STREET **NY HIST AST** **N/A**
NEW YORK, NY 10014

Relative:
Higher

Actual:
19 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-151858
Program Type:	PBS
UTM X:	584018.00413999998
UTM Y:	4509698.9755800003
Expiration Date:	2007/11/16

Affiliation Records:

Site Id:	4719
Affiliation Type:	Owner
Company Name:	VILLAGE COMMUNITY SCHOOL
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	272 W 10TH ST
Address2:	Not reported

VILLAGE COMMUNITY SCHOOL (Continued) **U003390544**

City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 691-5146
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	4719
Affiliation Type:	Mail Contact
Company Name:	VILLAGE COMMUNITY SCHOOL
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	272 W 10TH ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 691-5146
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	4719
Affiliation Type:	On-Site Operator
Company Name:	VILLAGE COMMUNITY SCHOOL
Contact Type:	Not reported
Contact Name:	VILLAGE COMMUNITY SCHOOL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 691-5146
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	4719
Affiliation Type:	Emergency Contact
Company Name:	VILLAGE COMMUNITY SCHOOL
Contact Type:	Not reported
Contact Name:	MIKE KURECK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

VILLAGE COMMUNITY SCHOOL (Continued) **U003390544**

Country Code:	001
Phone:	(516) 791-3992
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	19442

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/01/1978
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HIST AST:

PBS Number:	2-151858
SWIS Code:	6201
Operator:	VILLAGE COMMUNITY SCHOOL
Facility Phone:	(212) 691-5146
Facility Addr2:	272 WEST 10TH STREET
Facility Type:	SCHOOL
Emergency:	RUDY CHRISTIAN
Emergency Tel:	(212) 691-5146
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	VILLAGE COMMUNITY SCHOOL
Owner Address:	272 W 10TH ST
Owner City,St,Zip:	NEW YORK, NY 10014
Federal ID:	Not reported
Owner Tel:	(212) 691-5146
Owner Type:	Corporate/Commercial

VILLAGE COMMUNITY SCHOOL (Continued) **U003390544**

Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	VILLAGE COMMUNITY SCHOOL
Mailing Address:	272 W 10TH ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10014
Mailing Telephone:	(212) 691-5146
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/21/1997
Expiration:	11/16/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19780801
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

S197 **EDR US Hist Auto Stat** **1015114985**
East **1 7TH AVE S** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.244 mi.
1288 ft. **Site 9 of 10 in cluster S**

Relative:
Higher

Actual:
16 ft.

EDR Historical Auto Stations:

Name: GARYS AUTO SERVICE STATION
Year: 1999
Address: 1 7TH AVE S

Name: ALLIANCE AUTOMOTIVE ENTERPRISES
Year: 2000
Address: 1 7TH AVE S

Name: PANORAMIC AUTO SERVICE STATION
Year: 2001
Address: 1 7TH AVE S

Name: PANORAMIC AUTO SERVICE STATION
Year: 2002
Address: 1 7TH AVE S

Name: PANORAMIC AUTO SERVICE STATION
Year: 2003
Address: 1 7TH AVE S

Name: CORNER AUTO SERVICE STATION
Year: 2005
Address: 1 7TH AVE S

Name: BUSY BEE AUTO SERVICE INC
Year: 2011
Address: 1 7TH AVE S

Name: BUSY BEE AUTO SERVICE INC
Year: 2012
Address: 1 7TH AVE S

AA198 **MAGNO HOME INC.** **NY AST** **U004047482**
ENE **50 COMMERCE ST.** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.245 mi.
1296 ft. **Site 2 of 2 in cluster AA**

Relative:
Higher

Actual:
18 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-604006
Program Type:	PBS
UTM X:	584041.78726999997
UTM Y:	4509426.2500200002
Expiration Date:	N/A

Affiliation Records:

Site Id:	25895
Affiliation Type:	Owner
Company Name:	MAGNO HOME INC.
Contact Type:	Not reported

MAGNO HOME INC. (Continued) **U004047482**

Contact Name:	Not reported
Address1:	50 COMMERCE ST.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(914) 723-5562
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	25895
Affiliation Type:	Mail Contact
Company Name:	MAGNO HOME, INC.
Contact Type:	Not reported
Contact Name:	S. NEVES
Address1:	50 COMMERCE ST.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 691-7839
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	25895
Affiliation Type:	On-Site Operator
Company Name:	MAGNO HOME INC.
Contact Type:	Not reported
Contact Name:	GLADIS CACERES
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-6990
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	25895
Affiliation Type:	Emergency Contact
Company Name:	MAGNO HOME INC.
Contact Type:	Not reported
Contact Name:	SUSAN NEVES
Address1:	Not reported
Address2:	Not reported

MAGNO HOME INC. (Continued) **U004047482**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 691-7839
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	1
Tank Id:	56339

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
G03 - Tank Secondary Containment - Vault (w/o access)
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	02/01/1999
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/01/1999
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

X199 **326 HUDSON ST** **NY AST** **U003385690**
SE **326 HUDSON ST** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.246 mi.
1301 ft. **Site 6 of 7 in cluster X**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Facility Id:	2-154822
Program Type:	PBS
UTM X:	583864.64820000005
UTM Y:	4508899.0140899997
Expiration Date:	N/A

Affiliation Records:

Site Id:	4981
Affiliation Type:	Owner

326 HUDSON ST (Continued) **U003385690**

Company Name:	RECTOR CHURCH WARENDES
Contact Type:	AVP OF PROPERTY MGMT
Contact Name:	PETER ST. JOHN
Address1:	74 TRINITY PLAC
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 602-0867
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	8/7/2012

Site Id:	4981
Affiliation Type:	Mail Contact
Company Name:	TRINITY REAL ESTATE
Contact Type:	Not reported
Contact Name:	PETER A. ST. JOHN
Address1:	74 TINITY PLACE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 602-0867
Phone Ext:	Not reported
Email:	PSTJOHN@TRINITYWALLSTREET.ORG
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	8/7/2012

Site Id:	4981
Affiliation Type:	On-Site Operator
Company Name:	326 HUDSON ST
Contact Type:	Not reported
Contact Name:	DINO CELIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 255-0829
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	4981
Affiliation Type:	Emergency Contact
Company Name:	VESTRYMEN OF TRINITY CHURCH OF NYC REC.WARDENS
Contact Type:	Not reported
Contact Name:	DINO CELIC

326 HUDSON ST (Continued) **U003385690**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 488-6654
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	8351

Equipment Records:

G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	08/01/1982
Capacity Gallons:	7500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/11/2008
Register:	True
Modified By:	KAKYER
Last Modified:	08/07/2012

HIST AST:

PBS Number:	2-154822
SWIS Code:	6201
Operator:	WHITEHALL BUSINESS ARCHNES
Facility Phone:	(212) 645-4080
Facility Addr2:	326 HUDSON ST
Facility Type:	Not reported
Emergency:	JAMES CALANDRA
Emergency Tel:	(212) 645-4080
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	VESTRYMEN OF TRINITY CHURCH OF NYC REC.WARDENS

326 HUDSON ST (Continued) **U003385690**

Owner Address:	74 TINITY PLACE
Owner City,St,Zip:	NEW YORK, NY 10006
Federal ID:	Not reported
Owner Tel:	(212) 602-0854
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	VESTRYMEN OF TRINITY CHURCH
Mailing Address:	74 TINITY PLACE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10006
Mailing Telephone:	(212) 602-0854
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/31/1997
Expiration:	06/05/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	7500
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	19820801
Capacity (Gal):	7500
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False

326 HUDSON ST (Continued) **U003385690**

SPDES Number: Not reported
Lat/Long: Not reported

S200 **CONSOLIDATED EDISON** **NY MANIFEST** **S109825392**
ESE **222 VARICK ST** **N/A**
1/8-1/4 **NEW YORK, NY**
0.247 mi.
1303 ft. **Site 10 of 10 in cluster S**

Relative:
Higher

Actual:
17 ft.

NY MANIFEST:

EPA ID:	NYP004173860
Country:	USA
Mailing Name:	CONSOLIDATED EDISON
Mailing Contact:	CONSOLIDATED EDISON
Mailing Address:	4 IRVING PL RM 828
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10003
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-460-2808

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-25
Trans1 Recv Date:	2009-06-25
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-25
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004173860
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1500.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000961078GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

CONSOLIDATED EDISON (Continued) **S109825392**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-25
Trans1 Recv Date:	2009-06-25
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-25
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004173860
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1500.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	000961078GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	2009-06-25
Trans1 Recv Date:	2009-06-25
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	2009-06-25
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004173860
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1500.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0

CONSOLIDATED EDISON (Continued) **S109825392**

Year:	2009
Manifest Tracking Num:	000961078GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

X201 **74 CHARLTON ST.** **NY AST** **A100292708**
SE **74 CHARLTON STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.248 mi.
1307 ft. **Site 7 of 7 in cluster X**

Relative:
Higher

Actual:
17 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608682
Program Type:	PBS
UTM X:	583901.52769000002
UTM Y:	4508946.9340199996
Expiration Date:	2008/03/31

Affiliation Records:

Site Id:	30534
Affiliation Type:	Owner
Company Name:	PLANNED SYSTEM INTEGRATION LTD.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	61 VAN DAM STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 242-7920
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30534
Affiliation Type:	Mail Contact
Company Name:	PLANNED SYSTEM INTEGRATION LTD.
Contact Type:	Not reported
Contact Name:	MIKE GOSSETT
Address1:	74 CHARLTON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY

74 CHARLTON ST. (Continued) **A100292708**

Zip Code:	10013
Country Code:	001
Phone:	(212) 242-7920
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30534
Affiliation Type:	On-Site Operator
Company Name:	74 CHARLTON ST.
Contact Type:	Not reported
Contact Name:	MIKE GOSSETT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 633-0008
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30534
Affiliation Type:	Emergency Contact
Company Name:	PLANNED SYSTEM INTEGRATION LTD.
Contact Type:	Not reported
Contact Name:	MIKE GOSSETT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 633-0008
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	65520

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
G03 - Tank Secondary Containment - Vault (w/o access)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

74 CHARLTON ST. (Continued) **A100292708**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I05 - Overfill - Vent Whistle

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

V202 **EDR US Hist Cleaners** **1015086796**
NNE **679 WASHINGTON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.250 mi.
1318 ft. **Site 4 of 6 in cluster V**

Relative:
Higher

Actual:
14 ft.

EDR Historical Cleaners:

Name:	MEMPHIS CLEANERS INC
Year:	2001
Address:	679 WASHINGTON ST
Name:	MEMPHIS CLEANERS INC
Year:	2002
Address:	679 WASHINGTON ST
Name:	MEMPHIS CLEANERS INC
Year:	2004
Address:	679 WASHINGTON ST
Name:	MEMPHIS CLEANERS INC
Year:	2005
Address:	679 WASHINGTON ST
Name:	MEMPHIS CLEANERS INC
Year:	2006
Address:	679 WASHINGTON ST
Name:	MEMPHIS CLEANERS INC
Year:	2007
Address:	679 WASHINGTON ST
Name:	MEMPHIS CLEANERS INC
Year:	2008
Address:	679 WASHINGTON ST
Name:	MEMPHIS CLEANERS INC
Year:	2010
Address:	679 WASHINGTON ST

(Continued) **1015086796**

Name: MEMPHIS CLEANERS INC
Year: 2011
Address: 679 WASHINGTON ST

V203 **MEMPHIS CLEANERS** **NY DRYCLEANERS** **S110247267**
NNE **679 WASHINGTON ST.** **N/A**
1/8-1/4 **NEW YORK, NY 10014**
0.250 mi.
1318 ft. **Site 5 of 6 in cluster V**

Relative:
Higher

Actual:
14 ft.

DRYCLEANERS:

Facility ID:	2-6205-01456
Phone Number:	Not reported
Region:	2
Registration Effective Date:	3/31/2003 12:12:28:68
Inspection Date:	07APR11
Install Date:	Not reported
Drop Shop:	Not reported
Shutdown:	Not reported
Alternate Solvent:	Not reported
Current Business:	PERC DRY CLEANER

V204 **MEMPHIS CLEANERS INC.** **RCRA-SQG** **1000347241**
NNE **679 WASHINGTON ST** **FINDS** **NYD982538753**
1/8-1/4 **NEW YORK, NY 10014** **NY MANIFEST**
0.250 mi.
1318 ft. **Site 6 of 6 in cluster V**

Relative:
Higher

Actual:
14 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	MEMPHIS CLEANERS INC.
Facility address:	679 WASHINGTON ST NEW YORK, NY 10014
EPA ID:	NYD982538753
Mailing address:	WASHINGTON ST NEW YORK, NY 10014
Contact:	MARGARET CHOI
Contact address:	WASHINGTON ST NEW YORK, NY 10014
Contact country:	US
Contact telephone:	(212) 627-3646
Contact email:	Not reported
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	CHOI, MARGARET
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CHOI, MARGARET
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Facility name: MEMPHIS CLEANERS INC.
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/24/1988
Facility name: MEMPHIS CLEANERS INC.
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110002367705

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major

MEMPHIS CLEANERS INC. (Continued) **1000347241**

redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID:	NYD982538753
Country:	USA
Mailing Name:	MEMPHIS CLEANERS INC
Mailing Contact:	N/S
Mailing Address:	679 WASHINGTON ST
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-627-3646

Document ID:	NYC7516528
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	04/05/2005
Trans1 Recv Date:	04/05/2005
Trans2 Recv Date:	04/08/2005
TSD Site Recv Date:	04/11/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	NY54864JH
Trans2 EPA ID:	133TWANJ
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00200
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NYC7515742
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Trans2 State ID:	Not reported
Generator Ship Date:	06/18/2005
Trans1 Recv Date:	06/18/2005
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/28/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	NYAT8011
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00250
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00075
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	NYC7556692
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	01/24/2005
Trans1 Recv Date:	01/24/2005
Trans2 Recv Date:	01/28/2005
TSD Site Recv Date:	01/31/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	NYAP6277
Trans2 EPA ID:	NY865TZL
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00390
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	Not reported
Year:	Not reported

Document ID:	NYC7635238
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD986607380
Generator Ship Date:	10/04/2005
Trans1 Recv Date:	10/04/2005
Trans2 Recv Date:	10/13/2005
TSD Site Recv Date:	10/14/2005
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	NYAP6277
Trans2 EPA ID:	NJ085840
TSDF ID:	OHD980587364
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00250
Units:	P - Pounds
Number of Containers:	002
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	Not reported

Document ID:	NJA1424456
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920527
Trans1 Recv Date:	920527
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920527
Part A Recv Date:	Not reported
Part B Recv Date:	920615
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1439529
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920331
Trans1 Recv Date:	920331
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920331
Part A Recv Date:	920408
Part B Recv Date:	920409
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1327051
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920306
Trans1 Recv Date:	920306
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920306
Part A Recv Date:	Not reported
Part B Recv Date:	920323
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1351951
Manifest Status:	Completed copy

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	921104
Trans1 Recv Date:	921104
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	921104
Part A Recv Date:	921123
Part B Recv Date:	921127
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00120
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA2235608
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	960131
Trans1 Recv Date:	960131
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	960131
Part A Recv Date:	960212
Part B Recv Date:	960209
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00120
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	96

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	OKD981588791
Generator Ship Date:	2008-01-29
Trans1 Recv Date:	2008-01-29
Trans2 Recv Date:	2008-02-06
TSD Site Recv Date:	2008-02-07
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	390.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000958883SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-07-16
Trans1 Recv Date:	2008-07-16
Trans2 Recv Date:	2008-07-25
TSD Site Recv Date:	2008-07-28
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	450.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001117454SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-04-15
Trans1 Recv Date:	2008-04-15
Trans2 Recv Date:	2008-04-28
TSD Site Recv Date:	2008-04-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	60.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001001488SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD000692061
Generator Ship Date:	2008-09-25
Trans1 Recv Date:	2008-09-25
Trans2 Recv Date:	2008-10-07
TSD Site Recv Date:	2008-10-09
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	60.0
Units:	P - Pounds

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001290677SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-04-15
Trans1 Recv Date:	2008-04-15
Trans2 Recv Date:	2008-04-28
TSD Site Recv Date:	2008-04-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	585.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001001488SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD000692061
Generator Ship Date:	2008-09-25
Trans1 Recv Date:	2008-09-25
Trans2 Recv Date:	2008-10-07
TSD Site Recv Date:	2008-10-09
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001290677SKS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	TXR000050930
Trans2 State ID:	NJD071629976
Generator Ship Date:	2008-12-04
Trans1 Recv Date:	2008-12-04
Trans2 Recv Date:	2008-12-19
TSD Site Recv Date:	2008-12-29
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD980587364
Waste Code:	Not reported
Quantity:	300.0
Units:	P - Pounds
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001426730SKS

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H020

Document ID:	NJA1434015
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920427
Trans1 Recv Date:	920427
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920427
Part A Recv Date:	Not reported
Part B Recv Date:	920608
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1436689
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920625
Trans1 Recv Date:	920625
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920625
Part A Recv Date:	Not reported
Part B Recv Date:	920703
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00195
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.

MEMPHIS CLEANERS INC. (Continued) **1000347241**

Specific Gravity:	100
Year:	92

Document ID:	NJA1362643
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920115
Trans1 Recv Date:	920115
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920115
Part A Recv Date:	Not reported
Part B Recv Date:	920129
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Document ID:	NJA1376698
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	920219
Trans1 Recv Date:	920219
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	920219
Part A Recv Date:	Not reported
Part B Recv Date:	920302
Generator EPA ID:	NYD982538753
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	92

Click this hyperlink while viewing on your computer to access
155 additional NY_MANIFEST: record(s) in the EDR Site Report.

U205 **522 GREENWICH AV/MANH/UPS** **NY LTANKS** **S104275650**
SSE **522 GREENWICH AVENUE** **NY HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.251 mi.
1327 ft. **Site 4 of 4 in cluster U**

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	112363
Spill No:	9100225
Spill Date:	4/4/1991
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	2/9/1998
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SULLIVAN
Referred To:	Not reported
Reported to Dept:	4/4/1991
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	4/17/1991
Spill Record Last Update:	2/9/2004
Spiller Name:	Not reported
Spiller Company:	UPS
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	98156
DEC Memo:	Not reported
Remarks:	(4) 1500 GAL TANKS FAILED TANK AUDITOR WITH A LEAK RATE OF .29849GPH.

Material:

Site ID:	112363
Operable Unit ID:	951051
Operable Unit:	01
Material ID:	426435
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

522 GREENWICH AV/MANH/UPS (Continued) **S104275650**

Tank Test:

Site ID:	112363
Spill Tank Test:	1538422
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	9100225
Spill Date:	04/04/1991
Spill Time:	13:30
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/09/98
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	SULLIVAN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	04/04/91
Reported to Department Time:	14:57
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	UPS
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(212) 560-6398
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True

522 GREENWICH AV/MANH/UPS (Continued) **S104275650**

Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/17/91
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 02/09/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 2/9/98 REFER TO 9100225 SULLIVAN). SMM.
Spill Cause: 4) 1500 GAL TANKS FAILED TANK AUDITOR WITH A LEAK RATE OF .29849GPH.

206
ENE
1/4-1/2
0.266 mi.
1403 ft.

22 GROVE ST
22 GROVE ST
MANHATTAN, NY

NY LTANKS **S103517613**
NY HIST LTANKS **N/A**
NY AST
NY HIST AST

Relative:
Higher

Actual:
19 ft.

LTANKS:
Site ID: 176083
Spill No: 9512271
Spill Date: 12/30/1995
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 1/26/2004
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: RWAUSTIN
Referred To: Not reported
Reported to Dept: 12/30/1995
CID: 365
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False

22 GROVE ST (Continued) **S103517613**

Remediation Phase:	0
Date Entered In Computer:	12/30/1995
Spill Record Last Update:	1/26/2004
Spiller Name:	Not reported
Spiller Company:	RESIDENTIAL AREA
Spiller Address:	22 GROVE ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	147986
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "AUSTIN"1/26/04 - AUSTIN - SURF. SPILL - CLOSED - ORIG. ASSIGNED TO ENGELHARDT - END
Remarks:	customer ordered the tank to be filled after they has already ordered from another company - clean up crew in route now

Material:

Site ID:	176083
Operable Unit ID:	1023228
Operable Unit:	01
Material ID:	359583
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9512271
Spill Date:	12/30/1995
Spill Time:	15:15
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling

22 GROVE ST (Continued) **S103517613**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	ENGELHARDT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/30/95
Reported to Department Time:	15:38
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	RESIDENTIAL AREA
Spiller Address:	22 GROVE ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	12/30/95
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	01/22/96
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	10
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	#4 FUEL OIL

22 GROVE ST (Continued) **S103517613**

Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
DEC Remarks: Not reported
Spill Cause: customer ordered the tank to be filled after they has already ordered from another company - clean up crew in route now

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-402966
Program Type: PBS
UTM X: 584012.65443
UTM Y: 4509537.6046099998
Expiration Date: 2013/02/19

Affiliation Records:
Site Id: 19323
Affiliation Type: Owner
Company Name: GROVE HOUSE, INC.
Contact Type: MANAGING AGENT
Contact Name: ARNOLD WARWICK
Address1: 22 GROVE ST.
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10014
Country Code: 001
Phone: (212) 633-6500
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: kakyer
Date Last Modified: 12/18/2007

Site Id: 19323
Affiliation Type: Mail Contact
Company Name: ARNOLD S. WARWICK & CO., LTD.
Contact Type: Not reported
Contact Name: DELANEY JORDAN
Address1: 129 CHARLES STREET
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10014
Country Code: 001
Phone: (212) 633-6500
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 19323
Affiliation Type: On-Site Operator

22 GROVE ST (Continued) **S103517613**

Company Name:	GROVE HOUSE INC.
Contact Type:	Not reported
Contact Name:	MARIA GONZALEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 463-7301
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19323
Affiliation Type:	Emergency Contact
Company Name:	GROVE HOUSE, INC.
Contact Type:	Not reported
Contact Name:	ARNOLD S. WARWICK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 633-6500
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	22939

Equipment Records:

H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1930
Capacity Gallons:	2500
Tightness Test Method:	NN

22 GROVE ST (Continued) **S103517613**

Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	kakyer
Last Modified:	12/18/2007

HIST AST:

PBS Number:	2-402966
SWIS Code:	6201
Operator:	JOSE GONZOLEZ
Facility Phone:	(212) 967-5530
Facility Addr2:	22 GROVE ST
Facility Type:	APARTMENT BUILDING
Emergency:	E MILLER
Emergency Tel:	(212) 967-5530
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	GROVE ST ASSOCIATES
Owner Address:	575 8TH AVE, 9TH FL
Owner City,St,Zip:	NEW YORK, NY 10018
Federal ID:	Not reported
Owner Tel:	(212) 967-5530
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	GROVE ST ASSOCIATES
Mailing Address:	575 8TH AVE, 9TH FL
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10018
Mailing Telephone:	(212) 967-5530
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	08/25/1992
Expiration:	10/15/1997
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service

22 GROVE ST (Continued) **S103517613**

Install Date:	Not reported
Capacity (Gal):	2500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

W207 **174 BEDFORD AVE/BKLYN** **NY LTANKS** **S104275615**
NE **174 BEDFORD AVENUE** **NY HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.267 mi.
1409 ft. **Site 8 of 9 in cluster W**

Relative:
Higher

Actual:
20 ft.

LTANKS:

Site ID:	308285
Spill No:	9008726
Spill Date:	11/8/1990
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported
Spill Closed Dt:	11/8/1990
Facility Addr2:	Not reported
Cleanup Ceased:	11/8/1990
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	11/8/1990
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/7/1991
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	CHARLESTON BLDG
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ

174 BEDFORD AVE/BKLYN (Continued) **S104275615**

Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	248975
DEC Memo:	Not reported
Remarks:	OIL TANK IN BASEMENT LEAKED,SLUDGE IN BOTTOM OF TANK IS STOPPING LEAK,SPEEDY DRY APPLIED, WILL FIX TOMORROW.

Material:

Site ID:	308285
Operable Unit ID:	949344
Operable Unit:	01
Material ID:	562077
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9008726
Spill Date:	11/08/1990
Spill Time:	18:30
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Not reported
Spill Closed Dt:	11/08/90
Cleanup Ceased:	11/08/90
Cleanup Meets Standard:	True
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported

174 BEDFORD AVE/BKLYN (Continued) **S104275615**

Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 11/08/90
Reported to Department Time: 18:50
SWIS: 61
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: CHARLESTON BLDG
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/07/91
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: OIL TANK IN BASEMENT LEAKED,SLUDGE IN BOTTOM OF TANK IS STOPPING LEAK,SPEEDY DRY APPLIED, WILL FIX TOMORROW.

W208 NE 1/4-1/2 0.267 mi. 1411 ft.

172 BEDFORD AVE/BKLYN
172 BEDFORD AVENUE
NEW YORK CITY, NY

Site 9 of 9 in cluster W

NY LTANKS **S104275596**
NY HIST LTANKS **N/A**

Relative: Higher

Actual: 20 ft.

LTANKS:

Site ID:	301817
Spill No:	9006489
Spill Date:	9/13/1990
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	5/25/1995
Facility Addr2:	Not reported
Cleanup Ceased:	5/25/1995
Cleanup Meets Standard:	True
SWIS:	2401
Investigator:	WILSON
Referred To:	Not reported
Reported to Dept:	9/13/1990
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/20/1990
Spill Record Last Update:	5/25/1995
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	243885
DEC Memo:	Not reported
Remarks:	(2) 275 GAL TANKS MANIFOLDED, (1) TANK LEAKING, SPEEDY DRY APPLIED, ABC TANK WILL REPAIR OR REPLACE TANK.

Material:

Site ID:	301817
Operable Unit ID:	943984
Operable Unit:	01
Material ID:	433946
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

172 BEDFORD AVE/BKLYN (Continued) **S104275596**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9006489
Spill Date:	09/13/1990
Spill Time:	09:30
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	05/25/95
Cleanup Ceased:	05/25/95
Cleanup Meets Standard:	True
Investigator:	WILSON
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	09/13/90
Reported to Department Time:	10:25
SWIS:	61
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(718) 782-0897
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False

172 BEDFORD AVE/BKLYN (Continued) **S104275596**

Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/20/90
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 05/25/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 2
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: 2) 275 GAL TANKS MANIFOLDED, 1) TANK LEAKING, SPEEDY DRY APPLIED, ABC TANK WILL REPAIR OR REPLACE TANK.

AC209 **BARRETTI CARTING CORP.** **NY SWF/LF** **S105841764**
South **509 GREENWICH STREET** **N/A**
1/4-1/2 **NEW YORK, NY 10013**
0.282 mi.
1490 ft. **Site 1 of 3 in cluster AC**

Relative:
Higher

Actual:
10 ft.

SWF/LF:
Flag: INACTIVE
Region Code: 2
Phone Number: 2129257056
Owner Name: Not reported
Owner Type: Not reported
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: Not reported
Owner Email: Not reported
Owner Phone: Not reported
Contact Name: PHILIP BARRETTI; PRESIDENT
Contact Address: Not reported
Contact Addr2: Not reported
Contact City,St,Zip: Not reported
Contact Email: Not reported
Contact Phone: Not reported
Activity Desc: Transfer station - permit
Activity Number: [31T06]
Active: No
East Coordinate: 583600

BARRETTI CARTING CORP. (Continued) **S105841764**

North Coordinate: 4508900
Accuracy Code: Not reported
Regulatory Status: Not reported
Waste Type: Not reported
Authorization #: 2-6205-00036
Authorization Date: Not reported
Expiration Date: Not reported

AB210 **AJ CLARKE MGT** **NY LTANKS** **S102673472**
ESE **50 KING STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.286 mi.
1509 ft. **Site 4 of 5 in cluster AB**

Relative:
Higher

Actual:
18 ft.

LTANKS:
Site ID: 155549
Spill No: 9607652
Spill Date: 9/18/1996
Spill Cause: Tank Overfill
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 9/18/1996
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: SIGONA
Referred To: Not reported
Reported to Dept: 9/18/1996
CID: 275
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 9/18/1996
Spill Record Last Update: 9/24/1996
Spiller Name: EDGAR
Spiller Company: AJ CLARKE MGT
Spiller Address: 50 KING STRRET
Spiller City,St,Zip: MANHATTAN, NY 13207-
Spiller County: 001
Spiller Contact: EDGAR
Spiller Phone: (212) 675-7221
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 131752
DEC Memo: Not reported
Remarks: faulty gauge on customers tank - spill on grassy area - apill contained - spill crew enroute to clean

Material:
Site ID: 155549
Operable Unit ID: 1035768
Operable Unit: 01

AJ CLARKE MGT (Continued) **S102673472**

Material ID:	346909
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9607652
Spill Date:	09/18/1996
Spill Time:	08:45
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/18/96
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	09/18/96
Reported to Department Time:	08:58
SWIS:	62
Spiller Contact:	EDGAR
Spiller Phone:	(212) 675-7221
Spiller Extention:	Not reported
Spiller Name:	AJ CLARKE MGT
Spiller Address:	50 KING STRRET
Spiller City,St,Zip:	MANHATTAN, NY 13207-

AJ CLARKE MGT (Continued) **S102673472**

Spiller Cleanup Date: / /
Facility Contact: EDGAR
Facility Phone: (212) 675-7221
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/18/96
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 09/24/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 10
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: DEC Sigona Arrived at Spill at @:00 P.M. on 9/18/96. Saw a small puddle of oil near fill pipe at window casing. Also there was a stain on an AC window unit. Spoke to Superintendent Edgar) who said he would cleanup the problem and speak to Oil Company. The gauge was repaired and Castle performed initial cleanup.
Spill Cause: faulty gauge on customers tank - spill on grassy area - apill contained - spill crew enroute to clean

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AC211 **507-509 GREENWICH ST** **NY LTANKS** **S104277297**
South **507-509 GREENWICH ST** **NY HIST LTANKS** **N/A**
1/4-1/2 **MANHATTEN, NY**
0.287 mi.
1513 ft. **Site 2 of 3 in cluster AC**

Relative:
Higher

Actual:
10 ft.

LTANKS:
Site ID: 298985
Spill No: 9806774
Spill Date: 8/28/1998
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.

507-509 GREENWICH ST (Continued) **S104277297**

	Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	9/9/1998
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	9/2/1998
CID:	257
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	9/2/1998
Spill Record Last Update:	6/18/2004
Spiller Name:	Not reported
Spiller Company:	GREENWICH CARRIAGE HOUSE
Spiller Address:	507-509 GREENWICH ST
Spiller City,St,Zip:	MANHATTEN, NY
Spiller County:	001
Spiller Contact:	TOM PONZIO
Spiller Phone:	(212) 673-0990
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	241889
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"CONTAMINATED SOILS REMOVED DOWN TO WATER TABLE. WATER CLEAN, NO SHEEN OBSERVED, REMAINING SOILS CLEAN ALSO. NO FURTHER ACTION REQUIRED.SEE ALSO 90-06678, 01-01564, 01-01432.
Remarks:	CALLER REMOVED ABOUT 200 YARDS OF SOIL AND WOULD LIKE SOMEONE TO CALL HIM SO THAT HE CAN FILL IN THE HOLE AND HE DOES HAVE A SOIL SAMPLE AND RESULTS CALLERS PAGER NUMBER 917-240-8286.

Material:

Site ID:	298985
Operable Unit ID:	1067929
Operable Unit:	01
Material ID:	317918
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported

507-509 GREENWICH ST (Continued) **S104277297**

Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9806774
Spill Date:	08/28/1998
Spill Time:	12:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/09/98
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	MULQUEEN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	09/02/98
Reported to Department Time:	11:49
SWIS:	62
Spiller Contact:	TOM PONZIO
Spiller Phone:	(212) 673-0990
Spiller Extention:	Not reported
Spiller Name:	GREENWICH CARRIAGE HOUSE
Spiller Address:	507-509 GREENWICH ST
Spiller City,St,Zip:	MANHATTEN, NY
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	( ) -
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	09/02/98
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	12/03/99
Is Updated:	False

507-509 GREENWICH ST (Continued) **S104277297**

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	True
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	CONTAMINATED SOILS REMOVED DOWN TO WATER TABLE. WATER CLEAN, NO SHEEN OBSERVED, REMAINING SOILS CLEAN ALSO. NO FURTHER ACTION REQUIRED. SEE ALSO 90-06678.
Spill Cause:	CALLER REMOVED ABOUT 200 YARDS OF SOIL AND WOULD LIKE SOMEONE TO CALL HIM SO THAT HE CAN FILL IN THE HOLE AND HE DOES HAVE A SOIL SAMPLE AND RESULTS CALLERS PAGER NUMBER 917-240-8286.

AC212 **507-509 GREENWICH STREET** **NY LTANKS** **S104275598**
South **507-509 GREENWICH STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.287 mi.
1513 ft. **Site 3 of 3 in cluster AC**

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	117540
Spill No:	9006678
Spill Date:	9/18/1990
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/3/1999
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SULLIVAN
Referred To:	Not reported
Reported to Dept:	9/18/1990
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	9/20/1990
Spill Record Last Update:	12/3/1999

507-509 GREENWICH STREET (Continued) **S104275598**

Spiller Name:	QUEVA J. LUTZ
Spiller Company:	GREENWICH CARRIAGE HOUSE
Spiller Address:	503 GREENWICH STREET
Spiller City,St,Zip:	MANHATTAN, NY 10013-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	(212) 966-4335
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	102245
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SULLIVAN/MULQUEEN"REFER TO SPILL # 98-06774, MULQUEEN SPILL.
Remarks:	4K TANK FAILED HYDROSTATIC TEST, WILL EXCAVATE, ISOLATE & RETEST.

Material:

Site ID:	117540
Operable Unit ID:	947221
Operable Unit:	01
Material ID:	434127
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	117540
Spill Tank Test:	1537557
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	9006678
Spill Date:	09/18/1990
Spill Time:	11:00
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/03/99
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False

507-509 GREENWICH STREET (Continued) **S104275598**

Investigator: SULLIVAN/MULQUEEN
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 09/18/90
Reported to Department Time: 12:45
SWIS: 62
Spiller Contact: Not reported
Spiller Phone: (212) 966-4335
Spiller Extention: Not reported
Spiller Name: GREENWICH CARRIAGE HOUSE
Spiller Address: 503 GREENWICH STREET
Spiller City,St,Zip: MANHATTAN, NY 10013-
Spiller Cleanup Date: / /
Facility Contact: QUEVA J. LUTZ
Facility Phone: (212) 243-0127
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/20/90
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 12/03/99
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: REFER TO SPILL 98-06774, MULQUEEN SPILL.

507-509 GREENWICH STREET (Continued) **S104275598**

Spill Cause: 4K TANK FAILED HYDROSTATIC TEST, WILL EXCAVATE, ISOLATE RETEST.

AD213 **1633 W. 10TH STREET** **NY LTANKS** **S101658366**
NE **1633 W. 10TH STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.287 mi.
1516 ft. **Site 1 of 3 in cluster AD**

Relative:
Higher

Actual:
23 ft.

LTANKS:

Site ID:	124528
Spill No:	9503381
Spill Date:	6/19/1995
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	2/11/2003
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	6/19/1995
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	DEC
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/23/1995
Spill Record Last Update:	2/11/2003
Spiller Name:	Not reported
Spiller Company:	LIURA MANAGEMENT
Spiller Address:	6118 18TH AVENUE
Spiller City,St,Zip:	BROOKLYN, NY 11224
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	107829
DEC Memo:	Not reported
Remarks:	SPILL AROUNFD TANK - CONTAINED IN TANK ROOM

Material:

Site ID:	124528
Operable Unit ID:	1014615
Operable Unit:	01
Material ID:	368431
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons

1633 W. 10TH STREET (Continued) **S101658366**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

HIST LTANKS:
Region of Spill: 2
Spill Number: 9503381
Spill Date: 06/19/1995
Spill Time: 12:00
Spill Cause: Tank Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: TOMASELLO
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 06/19/95
Reported to Department Time: 12:32
SWIS: 62
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: LIURA MANAGEMENT
Spiller Address: 6118 18TH AVENUE
Spiller City,St,Zip: BROOKLYN, NEW YORK 11224
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (718) 232-1122
Facility Extention: Not reported
Spill Notifier: DEC
PBS Number: Not reported
Last Inspection: / /

1633 W. 10TH STREET (Continued) **S101658366**

Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/23/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #4 FUEL OIL
Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
DEC Remarks: Not reported
Spill Cause: SPILL AROUNFD TANK - CONTAINED IN TANK ROOM

AB214 **50 KING STREET** **NY LTANKS** **U003297768**
ESE **50 KING STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK, NY 10014** **NY UST**
0.288 mi. **NY HIST UST**
1521 ft. **Site 5 of 5 in cluster AB** **NY Spills**
NY Hist Spills

Relative:
Higher

Actual:
18 ft.

LTANKS:
Site ID: 155548
Spill No: 9212531
Spill Date: 2/4/1993
Spill Cause: Tank Overfill
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 2/5/1993
Facility Addr2: Not reported
Cleanup Ceased: 2/5/1993
Cleanup Meets Standard: True
SWIS: 3101
Investigator: SJMILLER
Referred To: Not reported
Reported to Dept: 2/4/1993
CID: Not reported

50 KING STREET (Continued) **U003297768**

Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/8/1993
Spill Record Last Update:	2/24/1993
Spiller Name:	Not reported
Spiller Company:	CASTLE HILL SVC
Spiller Address:	Not reported
Spiller City,St,Zip:	BRONX, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	131752
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MILLER"
Remarks:	DURING DELIVERY OIL SPILLED-NO CLEANUP YET NOTIF WANTS CALL BACK

Material:

Site ID:	155548
Operable Unit ID:	979542
Operable Unit:	01
Material ID:	402373
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9212531
Spill Date:	02/04/1993
Spill Time:	19:00
Spill Cause:	Tank Overfill

50 KING STREET (Continued) **U003297768**

Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	02/05/93
Cleanup Ceased:	02/05/93
Cleanup Meets Standard:	True
Investigator:	MILLER
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	02/04/93
Reported to Department Time:	19:03
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	CASTLE HILL SVC
Spiller Address:	Not reported
Spiller City,St,Zip:	BRONX
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Local Agency
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	02/08/93
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	02/24/93
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False
Units:	Gallons

50 KING STREET (Continued) **U003297768**

Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: DURING DELIVERY OIL SPILLED-NO CLEANUP YET NOTIF WANTS CALL BACK

UST:
Facility Id: 2-117633
Region: STATE
DEC Region: 2
Site Status: Active
Program Type: PBS
Expiration Date: 2013/02/17
UTM X: 584085.11563000001
UTM Y: 4509023.9654200003

Affiliation Records:
Site Id: 4021
Affiliation Type: Owner
Company Name: L. KING CORPORATION C/O AJ CLARKE R.E. CORP.
Contact Type: AGENT
Contact Name: STEPHEN DENARDO
Address1: 1881 BROADWAY
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10023
Country Code: 001
Phone: (212) 541-4477
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 8/20/2007

Site Id: 4021
Affiliation Type: Mail Contact
Company Name: C/O AJ CLARKE R.E. CORP.
Contact Type: Not reported
Contact Name: STEPHEN DENARDO
Address1: 1881 BROADWAY
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10023
Country Code: 001
Phone: (212) 541-4477
Phone Ext: Not reported
Email: SDENARDO@AJCLARKENYC.COM
Fax Number: Not reported
Modified By: KAKYER
Date Last Modified: 12/20/2006

50 KING STREET (Continued) **U003297768**

Site Id:	4021
Affiliation Type:	On-Site Operator
Company Name:	50 KING STREET
Contact Type:	Not reported
Contact Name:	L KING CORPORATION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-7740
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	4021
Affiliation Type:	Emergency Contact
Company Name:	L. KING CORPORATION C/O AJ CLARKE R.E. CORP.
Contact Type:	Not reported
Contact Name:	EDGARD LONDONO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-7740
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	4021
Tank Number:	001
Tank ID:	16779
Tank Status:	In Service
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
G07 - Tank Secondary Containment - Excavation/Trench Liner System

Install Date: 05/01/1957

50 KING STREET (Continued) **U003297768**

Capacity Gallons:	5000
Tightness Test Method:	21
Next Test Date:	06/21/2017
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	06/21/2012
Registered:	True
Modified By:	BKFALVEY
Last Modified:	08/07/2012

HIST UST:

PBS Number:	2-117633
SPDES Number:	Not reported
Emergency Contact:	EDGARD LONDONO
Emergency Telephone:	(212) 924-7740
Operator:	L KING CORPORATION
Operator Telephone:	(212) 924-7740
Owner Name:	L. KING CORPORATION C/O AJ CLARKE MANGEMENT
Owner Address:	1881 BROADWAY
Owner City,St,Zip:	NEW YORK, NY 10023
Owner Telephone:	(212) 547-4477
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	C/O AJ CLARKE MANAGEMENT
Mailing Address:	1881 BROADWAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10023
Mailing Contact:	STEPHEN DENARDO
Mailing Telephone:	(212) 541-4477
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	50 KING STREET
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	02/19/1998
Expiration Date:	02/17/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01

50 KING STREET (Continued) **U003297768**

Region: 2

Tank Id: 001
Tank Location: UNDERGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (gals): 5000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: Vault (w/o access)
Leak Detection: None
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: 05/01/1998
Next Test Date: 05/01/2003
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Horner EZ Check
Deleted: False
Updated: True
Lat/long: Not reported

SPILLS:
Facility ID: 9212514
DER Facility ID: 131752
Facility Type: ER
Site ID: 155547
DEC Region: 2
Spill Number: 9212514
Spill Date: 2/4/1993
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 2/4/1993
SWIS: 3101
Investigator: KSTANG
Referred To: Not reported
Reported to Dept: 2/4/1993
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: 2/4/1993
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2/8/1993
Spill Record Last Update: 9/30/2004
Spiller Name: Not reported

50 KING STREET (Continued) **U003297768**

Spiller Company:	50 KING STREET TENANTS
Spiller Address:	50 KING STREET
Spiller City,St,Zip:	MANHATTAN, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
Remarks:	DRIVER AND SUPT CHECKED GAUGE=1026 GALS EXISTING-DRIVER PUMPED 2675 GALS OIL CAME OUT VENT TANK=5K OIL LEAKED TO CONCRETE SIDEWALK-DRIZOLL APPLIED-WILL P/U AND DISPOSE

Material:

Site ID:	155547
Operable Unit ID:	976955
Operable Unit:	01
Material ID:	402358
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9212514
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	02/04/1993 12:30
Reported to Dept Date/Time:	02/04/93 13:39
SWIS:	62
Spiller Name:	50 KING STREET TENANTS
Spiller Contact:	Not reported
Spiller Phone:	(212) 675-7220
Spiller Address:	50 KING STREET

50 KING STREET (Continued) **U003297768**

Spiller City,St,Zip: MANHATTAN
Spill Cause: Equipment Failure
Reported to Dept: On Land
Water Affected: Not reported
Spill Source: 01
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: 02/04/93
Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 02/04/93
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 02/08/93
Date Spill Entered In Computer Data File: Not reported
Update Date: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 10
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Remark: DRIVER AND SUPT CHECKED GAUGE=1026 GALS EXISTING-DRIVER PUMPED 2675 GALS OIL CAME OUT VENT TANK=5K OIL LEAKED TO CONCRETE SIDEWALK-DRIZOLL APPLIED-WILL P/U AND DISPOSE

AE215 NE 1/4-1/2 0.294 mi. 1554 ft.

119 CHRISTOPHER STREET
119 CHRISTOPHER STREET
MANHATTAN, NY

NY LTANKS
NY Spills
NY Hist Spills

S102148244
N/A

Site 1 of 3 in cluster AE

Relative: Higher

Actual: 22 ft.

LTANKS:

Site ID:	79347
Spill No:	0110105
Spill Date:	12/31/2001
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	7/29/2003
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	1/21/2002
CID:	397
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/21/2002
Spill Record Last Update:	7/29/2003
Spiller Name:	Not reported
Spiller Company:	DAVID SUISSA
Spiller Address:	12 MARIGOLD LN.
Spiller City,St,Zip:	MARLBORO, NJ 07746-
Spiller County:	001
Spiller Contact:	NOTIFIER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	73760
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"07/23/03. By the owner's request J. Krimgold visit the site to check the cleanup. Conversations with witnesses revealed that spill occurred in the basement due to the overfill. Oil came out through a loose fitting on the top of the tank. Fitting was replaced and a new thank whistle was installed. No oil stains or odor in the tank area. Cleaned up by the RP. NFA letter on 07/29/03. YK.
Remarks:	anonymous caller would not give name but gave his phone number(212-627-5700) discovered the spill. resident called manager of building and he is the notifier

Material:

Site ID:	79347
Operable Unit ID:	848605
Operable Unit:	01
Material ID:	527739
Material Code:	0001A
Material Name:	#2 Fuel Oil

119 CHRISTOPHER STREET (Continued) **S102148244**

Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

SPILLS:

Facility ID:	9402109
DER Facility ID:	276386
Facility Type:	ER
Site ID:	186235
DEC Region:	2
Spill Number:	9402109
Spill Date:	5/12/1994
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	5/12/1994
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	5/12/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	5/12/1994
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/25/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	ELAND BUCZYNER
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported

119 CHRISTOPHER STREET (Continued) **S102148244**

DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	CLEANED UP WITH SPEEDY DRY.

Material:

Site ID:	186235
Operable Unit ID:	999175
Operable Unit:	01
Material ID:	385849
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

NY Hist Spills:

Region of Spill:	2
Spill Number:	9402109
Investigator:	MARTINKAT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	05/12/1994 12:00
Reported to Dept Date/Time:	05/12/94 14:28
SWIS:	62
Spiller Name:	ELAND BUCZYNER
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spill Cause:	Human Error
Reported to Dept:	On Land
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	05/12/94

119 CHRISTOPHER STREET (Continued) **S102148244**

Cleanup Meets Std: True
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/12/94
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 05/25/94
Date Spill Entered In Computer Data File: Not reported
Update Date: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 100
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Remark: CLEANED UP WITH SPEEDY DRY.

216
NNE
1/4-1/2
0.302 mi.
1595 ft.

Relative:
Higher

Actual:
15 ft.

PLYMOUTH MANAGEMENT **NY LTANKS** **S110611367**
695 WASHINGTON ST **N/A**
MANHATTAN, NY

LTANKS:
Site ID: 442133
Spill No: 1008636
Spill Date: 11/17/2010
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: Not reported
Spill Closed Dt: 4/27/2012
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: hrpatel

PLYMOUTH MANAGEMENT (Continued) **S110611367**

Referred To:	Not reported
Reported to Dept:	11/17/2010
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/17/2010
Spill Record Last Update:	4/27/2012
Spiller Name:	RAY LARA
Spiller Company:	PLYMOUTH MANAGEMENT
Spiller Address:	695 WASHINGTON ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	999
Spiller Contact:	RAY LARA
Spiller Phone:	(718) 624-4842
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	397166
DEC Memo:	11/17/10- Zhune spoke to Ray Lara from PTC. He said tank was isolated and tank itself failed the test. Tank was emptied. Tank is located under the sidewalk. There is spill under the basement. Tank is right near the water a block away from West Side Highway. There are vapors in the house.Plymouth Management: 212-447-7000 Ext 221 Steve Miller or Marlene Crawford (Ext. 223, email: mcrawford@plymouthny.com).3:15 PM:- visited site. site has four story building with basement. found temporary 275 gal tank under the stairs to first floor. temp. tank is installed in passage outside of building, but this passage bottom is at basement floor level. inspected boiler room in corner of basement. no odors found in boiler room. no access available inside building to confirm any odors in building. found old aboveground supply/return lines inside boiler room. site has one 1,500 gal #2 oil UST under the sidewalk. found metal grate on sidewalk. found vent line running inside the grate. fill port has been sealed.11/18/10-Hiralkumar Patel.10:10 AM:- spoke with Ray at PTC. he mentioned that there are two metal grates nearby the temp. tank area and they found free product in these grates. Ray also mentioned that he noticed a faint odors in basement apartment near the temp tank area.10:16 AM:- spoke with Steve Miller, property manager. Steve mentioned that the building is a co-op building. asked Steve to provide access in basement apartment for further inspection at 3:30 PM today.10:26 AM:- received call from Bruce Flynn (917-553-7838, belgoduvel@aol.com), a tenant living in basement apartment #A . Bruce mentioned that he was living in hotel for past five days due to odors in apartment, but after tank pump out, no more odors in his apartment and he returned to apartment last night.1:19 PM:- received call from Ray. Ronnie from PTC will meet at the site at 3:30 PM to show grate areas where free product was found.alternate addresses: 146-148 Perry Street, 695-701 Washington Streetno other spills reported at the site.PBS #: 2-161373. as per the PBS record, site has one 1,500 gal AST in contact with soil (but actually tank is underground under the sidewalk). tank was installed on 10/15/77.as per ACRIS, Adam Brandenburger and Barbara Rifking owns the property.2:01 PM:- spoke with Mr. Miller. he mentioned that building is a co-op since 1977 and he is managing the building for past 20 years. he mentioned that

PLYMOUTH MANAGEMENT (Continued) **S110611367**

building is owned by Perry Washington Tenants Corp., and not by Adam Brandenburger or Barbara Rifking.Perry Washington Tenants Corp. **property owner**c/o Plymouth Management Group, Inc. **management company**37 West 19th Street, 6th FloorNew York, NY 10011Attn.: Steve Miller **property manager**Ph. (212) 447-7000 Ext. 221 (212) 685-9000Fax (212) 447-7344email: plymouthmg@aol.com3:30 PM:- visited site. met Ronnie from PTC. Ronnie showed two sumps with metal grates in passage area where temp. tank is installed. open both grates. found free product in northern sump (closer to temp. tank area) with sewer clean-out connection. no product found in southern sump (closer to boiler room), but found sewer lines in it. Ronnie mentioned that they removed dirt from the area under the metal grate on sidewalk (where vent line found) and then cut piece of tank to remove product.met Bruce at the site. Bruce mentioned that he baught the basement unit recently. they moved to hotel due to strong petroleum odors in building. but odors are gone since tank was pumped out. Bruce also mentioned that there is no oil seepage into his apartment. due to on-going floor repair work, no access to Bruce's apartment for inspection. Bruce mentioned that there are total of 8 units in building.3:36 PM:- spoke with Mr. Miller and asked him to pump out product from sump immediately. Mr. Miller will talk to Ray. asked Mr. Miller to send insurance company's contact info with claim number.3:41 PM:- received call from Ray. he will send vacuum truck tomorrow morning to pump out the sump.3:57 PM:- received email from Mr. Miller with insurance broker's info.Illinois Insurance **owner's insurance company**c/o Mackoul and Associates **insurance broker company**25 Nassau Lane Island Park, NY 11558 Attn.: Gina Ferrato **insurance broker**Ph. (516) 690-8025 (516) 431-9100 Ext. 210 Fax (516) 431-4641email: gferrato@mackoul.comclaim #: 114599805 11/19/10-Hiralkumar Patel.8:33 AM:- spoke with Ray. he has sent crew to the site. asked Ray to wait for about half an hour after pump out to see if any more oil comes back.discussed with DEC Austin about oil in sump and odors in basement apartment. Austin asked to inspect basement apartment to confirm no odors or oil seepage.10:29 AM:- spoke with Bruce. he mentioned that he moved into building couple of months ago, but there was no problem at that time. petroleum odors were strong right after oil delivery, so he lived in hotel for about 8-9 days. informed Bruce that the department needs access in his apartment to confirm no petroleum seepage or odors. site visit will be made next week.10:34 AM:- spoke with Ray. Ray mentioned that after pumping out sump, his crew noticed water and some oil coming back. Ray will send someone to the site this afternoon to see how much oil coming back into the sump.10:44 AM:- spoke with Gina, insurance broker. she mentioned that her company is not handling remediation work, but another company called ACE is handling that.10:46 AM:- spoke with Mr. Miller and got ACE's number. informed Mr. Miller that oil/water is coming back into the sump after pump out which indicates more oil around tank area and groundwater may also be impacted.10:49 AM:- spoke with operator at Network whose number i got from Mr. Miller. operator told that her company name is Network and they provide service between client and insurance company. they only takes claim's information, create a claim number and that information goes to insurance company directly. in this case, information went to ACE Environmental Risk and operator doesn't have their phone number.NetworkACE Environmental RiskPh. (888) 310-955310:56 AM:- spoke with Mr. Miller regarding contact number for ACE. Mr. Miller doesn't have it. he is always dealing with Gina for insurance

PLYMOUTH MANAGEMENT (Continued) **S110611367**

matters.10:58 AM:- left message for Gina.11:10 AM:- spoke with Chris Stella at ACE. Chris mentioned that ACE will only handle bills from contractor, but insured has to hire contractor for required work.Christopher StellaACE USA10 Exchange Place, 9th FloorJersey City, NJ 07302Ph. (201) 356-5225email: christopher.stella@acegroup.comclaim #: 114599805 11:15 AM:- spoke with Mr. Miller and informed him about discussion with Chris at ACE. informed Mr. Miller that impacted sump must be pump out daily until no more oil comes in sump.11:46 AM:- spoke with Castle oil (914-381-6600), oil delivery company for the building. operator mentioned that last oil delivery was for 730 gal was on 11/09/10 (and 1,024 gal on 10/19/10).1:08 PM:- spoke with Ray. informed him about daily product removal. Ray received ok from Mr. Miller. Ray mentioned that as they don't work on weekend, unless it is an emergency, he will put some absorbent pads in sump and ask super to change it on weekend. informed him that super must notified immediately if more product comes in and he can not handle that.1:17 PM:- sent letter to Mr. Miller requiring daily sump monitoring and product removal, tank removal and endpoint samples. asked Mr. Miller to provide tank removal schedule by the end of 11/30/10 and tank closure report is due on 01/19/11. letter emailed to Mr. Miller, Ray, Gina and Chris.12/10/10-Hiralkumar Patel.2:28 PM:- left message for Mr. Miller.2:31 PM:- left message for Ray at PTC.3:17 PM:- received call from Ray. they have collected three soil samples, through the tank bottom, at 4 ft below the tank bottom. Ray mentioned that no water encountered below the tank bottom. they are pumping about 25 gal oil/water mix everyday. he will get sample results back by 12/17/10.3:33 PM:- received message from Mr. Miller stating that PTC has collected soil samples and waiting for results.01/05/11-Hiralkumar Patel.9:17 AM:- left message for Mr. Miller.9:19 AM:- spoke with Ray. asked him to submit results of investigation.01/06/11-Hiralkumar Patel.3:58 PM:- received call from Mr. Miller. asked him to submit report on soil investigation and product removal data. he will talk to Ray.4:01 PM:- received call from Ray. he will submit report tomorrow.12:11 PM:- received message from Mr. Miller. Mr. Miller mentioned that Ray has submitted report.received fax from Ray including results of three soil samples and copy of proposal for tank abandonment. it doesn't include site map, sampling depth, product recovery data etc.1:14 PM:- spoke with Mr. Miller. informed him that Ray submitted incomplete report. informed him that as tank failed an isolation test and product found in pits about 10 ft from the tank, the department requires soil investigation again to confirm the recent soil sample data. also informed him that future investigation(s) must be done in the presence of DEC project manager. suggest him to consult with structural engineer for tank removal possibility. informed him that tank abandonment must be done only after getting approval from the DEC.01/18/11-Hiralkumar Patel.11:34 AM:- left message for Mr. Miller.11:37 AM:- left message for Ray.01/21/11-Hiralkumar Patel.10:20 AM:- left message for Mr. Miller.10:44 AM:- received call from Mr. Miller. asked him to submit report for work done till date. asked him to submit report by the end of today. he mentioned that they have hired Rand Engineering to inspect the site for possibility of tank removal. asked Mr. Miller to contact Rand and submit their schedule.Liad GoldmanRand EngineeringPh. (212) 675-884411:46 AM:- received call from Ray. he will send documents by 01/24/11.01/24/11-Hiralkumar Patel.4:14 PM:- received fax from Ray

PLYMOUTH MANAGEMENT (Continued) **S110611367**

including job tickets, tank test result and site map with tank/sampling locations. as per job tickets, PTC removed oily water from pits. as per site map, tank is 4 ft in diameter and tank top is 2 ft bg. Ray collected soil samples at two ft below tank bottom.4:33 PM:- spoke with Mr. Miller inquiring about inspection by structural engineer. Mr. Miller will call back after talking to the engineer. informed him about possible site visit tomorrow afternoon (around 3:30 PM) to inspect pits.01/25/11-Hiralkumar Patel.2:10 PM:- visited site. observed some oil in a pit which is close to the temp tank. no oil found in pit closer to the boiler room. inspected Bruce's apartment. no oil seeps found through foundation wall above the apartment floor, but found some oil soaked pads in small area underneath the bedroom. Bruce mentioned that he has been changing pads. due to ongoing renovation (which includes paint and other chemical), could not distinguish minor odor in Bruce's apartment.02/02/11-Hiralkumar Patel.11:51 AM:- spoke with Steve. he will call his structural engineer and will call back.02/07/11-Hiralkumar Patel.3:11 PM:- left message for Mr. Miller.02/08/11-Hiralkumar Patel.4:41 PM:- received call from Marlene from Mr. Miller's office. she mentioned that the structural engineer who inspected the site is out of office and will send report tomorrow. Marline mentioned that they will send update by 02/10/11.02/10/11-Hiralkumar Patel.10:40 AM:- received email from Mr. Miller including letter report from Rand, engineering firm. the structural inspection report does not specify if tank removal is possible or not.10:44 AM:- spoke with Mr. Miller and informed him that the report from Rand does not specify if tank removal is possible or not. asked him to contact structural engineer again to clearify this.02/11/11-Hiralkumar Patel.12:07 PM:- received email from Mr. Miller including revised report from Rand engineering. as per structural engineer, tank removal is possible.02/15/11-Hiralkumar Patel.3:11 PM:- left message for Mr. Miller.02/16/11-Hiralkumar Patel.10:11 AM:- received message from Mr. Miller.2:19 PM:- left message for Mr. Miller.2:47 PM:- received call from Mr. Miller. he will talk to insurance company and engineer regarding tank removal work. informed him that based on site location, groundwater is probably flowing away from the building and there could be more oil under the sidewalk and the street. if they choose tank removal, then they need some proposals before deciding the contractor. asked Mr. Miller to submit update by end of 03/16/11, either update on contractor selection for tank removal or work plan for further investigation.2:55 PM:- sent email to Mr. Miller summarizing above discussion. email copied to Chris at ACE USA.03/22/11-Hiralkumar Patel.4:15 PM:- left message for Steve inquiring update.03/23/11-Hiralkumar Patel.1:16 PM:- received call from Peter from RAND engineering. Peter mentioned that they will be handling installation of new gas line and also spill matter. Peter will contact Miller Enrivonmental to schedule a site visit.Peter VarsalonaRAND EngineeringPh. (212) 675-8844 Ext. 232email: pevarsalona@randpc.com04/08/11-Hiralkumar Patel.12:07 PM:- received email from Nicholas Marrone from Miller Environmental. Nick is going to visit site at 4 PM on 04/11/11.Nicholas MarroneMiller Environmental Group, Inc.Ph. (845) 569-1200 Ext. 104Fax (845) 569-1288email: nmarrone@millerenv.com04/12/11-Hiralkumar Patel.2:48 PM:- spoke with Nick at Miller. he visited site yesterday and submitted proposal for soil investigation.04/15/11-Hiralkumar Patel.4:29 PM:- sent email to Mr. Miller and asked him to call

PLYMOUTH MANAGEMENT (Continued) **S110611367**

back.04/19/11-Hiralkumar Patel.11:22 AM:- received email from Mr. Miller including document regarding chimney cleanup.2:35 PM:- left message for (and sent email to) Mr. Miller. informed Mr. Miller that the department is not intereted in chimney cleanup and someone from either building management or co-op board should call by end of tomorrow to discuss further. email copied to Peter at RAND.2:43 PM:- spoke with Bruce Flynn who is co-op member and informed him about current situation. he will talk to property manager and co-op president and will call back.05/06/11-Hiralkumar Patel.10:25 AM:- spoke with Bruce. he mentioned that all correspondence should go through property manager. informed him about no response from the manager. he will call back today.10:29 AM:- left message for Mr. Miller.3:38 PM:- received call from Ms. Crawford from Mr. Miller's office. she mentioned that they hired American Pipe for tank removal work.3:44 PM:- spoke with Mr. Silver at American Pipe. he confirmed that his company has been hired for removal of tank and associated contamination. he will submit work schedule next week.Richard SilverAmerican Pipe & TankPh. (212) 736-6618 (917) 763-6459email: tankman220@aol.com3:46 PM:- sent email to Mr. Silver and asked him to submit work plan and schedule by the end of 05/11/11. email copied to Ms. Crawford and Mr. Miller.08/05/11-Hiralkumar Patel.1:08 PM:- spoke with Richard at American Pipe. he has submitted proposal in May and haven't heard back yet.1:10 PM:- spoke with Bruce. he will call management office and will call back.1:46 PM:- left message for William Goldberg, person owned Apt. B in the building. informed him about spill issue and no response from management office. asked him to provide co-op board president's info.William GoldbergApt. BPh. (212) 929-15802:59 PM:- sent letter to Mr. Miller and asked to submit cleanup documents by 08/22/11. informed him that if cleanup documents are not received by 08/22/11, then case will be referred to legal. letter emailed to Mr. Miller, Mr. Flynn, Ms. Ferrato and Mr. Stella. copy of letter mailed to following building tenants (list from 411.com):- Cindy K Leggett-Flynn, 695 Washington Street, Apt. A- Jessica Goldberg/William Goldberg, 695 Washington Street, Apt. B- Gwen Jones, 695 Washington Street, Apt. 1A- Darlene A Krier, 695 Washington Street, Apt. 1B- Mary-Kotick-Feinstein, 695 Washington Street, Apt. 1F- Rebecca G Cheng, 695 Washington Street, Apt. 2B- Myron E Beldock, 695 Washington Street, Apt. 3- Jeanine P Pepler, 695 Washington Street, Apt. 4- Jeffrey T Williams/John P Williams, 695 Washington Street, Apt. 84:15 PM:- received message from Bruce.08/09/11-Hiralkumar Patel.10:55 AM:- spoke with Bruce. he mentioned that he has spoke with management and was told that insurance company is holding the work. informed him that 08/22/11 is the due date to submit document or else case will be referred to legal. he will talk to other unit owners and their attorney.08/11/11-Hiralkumar Patel.9:20 AM:- received message from Mr. Silver.1:08 PM:- spoke with Mr. Silver. he mentioned that Mr. Miller was sick and out of office for long time. Mr. Silver requested extension on behalf of Mr. Miller. informed Mr. Silver that at this moment, the department does not approve any more extension and requires to submit documents by 08/22/11. informed him that the Department may extend the deadline for another month (not more than that), if a progress made in the project. also informed him that the department requires a work plan and a written request from property manager as well as co-op board president.08/12/11-Hiralkumar Patel. copy of letter that was sent to Jeanine Pepler (Apt. 4) came back undelivered.08/17/11-Hiralkumar Patel.8:45 AM:- received call from

PLYMOUTH MANAGEMENT (Continued) **S110611367**

Tim Fisher from Antea Group, environmental consultant hired for tank removal. he visited site yesterday and will submit sidewalk permit application to NYC DOT. asked Tim to submit copy of their signed contract with property owner. also asked him to submit PBS application (for tank removal notification) and copy of permit application. Tim FisherAntea GroupPh. (914) 495-9935 (O) (949) 375-1174 (C)email: timothy.fisher@anteagroup.com8:59 AM:- sent email to Mr. Fisher and asked him to submit above documents. informed him that the documents must be submitted by 08/22/11 in order to avoid enforcement. email copied to Mr. Miller, Mr. Stella and Ms. Ferrato.1:34 PM:- received message from mr. Fisher. he inquired about soil samples done at the site.received message from Bruce inquiring updates.08/19/11-Hiralkumar Patel.11:06 AM:- spoke with Mr. Fisher. he mentioned that they observed some patches on sidewalk which looks like bornigs were installed around the tank. informed him that as per PTC, they collected soil samples through tank bottom which came back clean. as oil found away from tank, clean soil samples underneath the tank are questionable. he mentioned that he will get signed contract today and will send copy of contract and work schedule. he is working on PBS application for tank removal work.11:12 AM:- left message for Bruce and informed him about current status.11:58 AM:- received email from Mr. Fisher including copy of signed contract between property owner and Antea Group.08/29/11-Hiralkumar Patel.8:39 AM:- received email from Mr. Fisher including copy of tank removal notice that was sent to PBS unit.09/13/11-Hiralkumar Patel.4:39 PM:- sent email to Mr. Fisher inquiring updates. email copied to Mr. Miller.09/14/11-Hiralkumar Patel.7:57 AM:- received email from Mr. Fisher. they are still waiting for permit and expect to get by next week. they have scheduled tank removal for the week of Sep. 26, 2011.09/22/11-Hiralkumar Patel.2:34 PM:- received email from Mr. Fisher. he mentioned that they have DOT permit but waiting for forestry permit from NYC Parks Dept. as they need to remove tree which is located right above the tank. Mr. Fisher is planning to start tank removal on 10/03/11.09/23/11-Hiralkumar Patel.1:39 PM:- sent email to Mr. Fisher and asked to inform once permit received. email copied to Mr. Miller.10/19/11-Hiralkumar Patel.2:15 PM:- spoke with Mr. Fisher. they removed tank on 10/06/11. Mr. Fisher mentioned that during tank removal, they noticed some minor contamination on top of tank, but no contamination observed under the tank. no water found in excavation. they collected five endpoint samples and waiting for results. they also removed pipes under the sidewalk. Mr. Fisher believes that the remaining pipes from the retaining wall to the boiler room are still in-place. asked him to confirm presence/absence of remaining piping and if pipes are still there, asked him to do dye test to see if those lines were the source of oil found in pits. 11/10/11-Hiralkumar Patel.10:32 AM:- received call from Mr. Fisher. he received sample results and found clean soil except minor exceedence in one sidewall sample. he also looked for piping, but were removed earlier. he will submit final closure report.02/28/12-Hiralkumar Patel.5:00 PM:- sent email to Mr. Fisher and asked to submit report by 03/05/12. email copied to Mr. Miller.5:00 PM:- received email from Plymouth Management and asked to contact Marlene Crawford.02/29/12-Hiralkumar Patel.1:31 PM:- left message for Ms. Crawford at Plymouth. asked her to submit report by the end of 03/02/12 to avoid enforcement.1:33 PM:- left message for Mr. Fisher.1:35 PM:- sent email to Ms. Crawford (mcrawford@plymouthny.com) and Jack Lerner (jlerner@plymouthny.com)

PLYMOUTH MANAGEMENT (Continued) **S110611367**

and asked them to submit investigation report by 03/02/12. email copied to pelgar@plymouthny.com.2:10 PM:- received call from Mr. Fisher. he mentioned that report is ready, but waiting for payment. he also mentioned that Mr. Miller passed away and his office is dealing with insurance company for payment. asked Mr. Fisher to submit report by end of March, 2012.3:05 PM:- received email from Mr. Sansone, a new managing agent.Phillip Sansone **property manager**Plymouth Management Group, Inc.37 West 19th Street, 6th FloorNew York, NY 10011PH. (212) 447-7000 ext. 228Fax (212) 447-7344email: PSansone@plymouthny.com03/02/12-Hiralkumar Patel. received email from Gina Corso (at 2:36 PM on 03/01/12) from Mackoul & Associates, Inc. inquiring update.9:36 AM:- left message for Mr. Sansone.11:01 AM:- received message from Mr. Sansone.03/08/12-Hiralkumar Patel.9:18 AM:- spoke with Ms. Corso at Mackoul & Associates, insurance broker. informed her that the investigation report is due. she will talk to insurance company.Gina Corso **insurance broker**Mackoul & Associates, Inc.Ph. (516) 690-8025Fax (516) 431-4641email: GCorso@mackoul.com03/23/12-Hiralkumar Patel.1:46 PM:- spoke with Mr. Sansone and informed him that report is due at the end of this month.04/02/12-Hiralkumar Patel. received email from Mr. Sansone (at 10:01 AM on 03/30/12). he mentioned that report will be submitted by 04/23/12.04/04/12-Hiralkumar Patel.11:47 AM:- received call from Mr. Sansone. he mentioned that insurance company will pay for the investigation work by next week and he will forward payment to the contractor. based on available information, approved his request to submit report by 04/23/12.04/23/12-Hiralkumar Patel.3:06 PM:- received email from Mr. Sansone. he mentioned that due to late payment from insurance company, report submission will be delayed for some time. he has sent payment to contractor and report will be submitted once payment received by them.04/24/12-Hiralkumar Patel.1:12 PM:- received email from Aaron Lapine from Antea Group. he mentioned that report will be submitted once funds cleared.Aaron LapineAntea GroupPh. (914) 495-9934 (O) (949) 244-4951 (C)email: Aaron.Lapine@anteagroup.com04/26/12-Hiralkumar Patel.12:49 PM:- sent email to Mr. Sansone. informed him that the dpeartment does not approve anymore time extension and the report is considered overdue. asked him to submit report immediately. email copied to Mr. Lapine.3:16 PM:- received email from Mr. Lapine including tank removal report. abstract:- the subject site is situated at an approx. elevation of 15 ft above mean sea level- removed 1,500 gal UST- soil encountered during UST removal activities consisted of brown, poorly graded sand, with fill material (black)- excavation was completed to a maximum depth of 6 ft bg- groundwater was not encountered- inspected the condition of the UST and it was observed to be in fair condition, with no obvious holes or pitting, with the exception of a section of the UST that was previous cut out to clean the UST following the tank tightness test failure in 2010- removed total fo 20.86 tons of soil- collected five endpoint samples: four sidewall samples and one bottom sample- no contamination found in endpoint samples, except some SVOCs found in sample from south sidewall (max 5,890 ppb of Benzo(a)anthracene)- due to presence of sanitary sewer line within two ft of the southern excavation sidewall, it was not feasible to remove additional soil from southern sidewallthe report is missing tank excavation dimensions and endpoint sampling depth.4:18 PM:- sent email to Mr. Lapine. asked him to submit final dimension of tank excavation and endpoint sample depth. email copied

PLYMOUTH MANAGEMENT (Continued) **S110611367**

to Mr. Sansone.04/27/12-Hiralkumar Patel.8:16 AM:- received email from Mr. Lapine. he mentioned that the final dimensions were 19 ft by 8 ft by 6 ft. he also mentioned that sidewall samples were collected at 5.5 ft depth and the bottom sample was collected at 6 ft depth.9:54 AM:- spoke with Mr. Lapine about condition of pits in alley. he mentioned that product was not observed any the pits since they started working on site. he also mentioned that there were no holes found in tank bottom.as per Ray from PTC, they collected three soil samples through the bottom of the tank, but Mr. Lapine mentioned that holes were not found in tank bottom.9:58 AM:- left message for Ray at PTC.11:11 AM:- received call from Ray. he mentioned that Chris from PTC went into the tank and used grind machine to cut holes in tank bottom.based on available information and submitted documents, case closed.11:36 AM:- sent spill closure letter to Mr. Sansone. letter emailed to Mr. Sansone and Mr. Lapine.

Remarks: retest or removal unknown

Material:

Site ID:	442133
Operable Unit ID:	1192663
Operable Unit:	01
Material ID:	2187996
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

AF217 **48-02 VAN DAM ST/QUEENS** **NY LTANKS** **S104275557**
SE **48-02 VAN DAM STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.304 mi.
1605 ft. **Site 1 of 3 in cluster AF**

Relative:
Higher

Actual:
19 ft.

LTANKS:

Site ID:	242743
Spill No:	8908780
Spill Date:	12/6/1989
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station

48-02 VAN DAM ST/QUEENS (Continued) **S104275557**

Spill Class:	Not reported
Spill Closed Dt:	4/24/1991
Facility Addr2:	Not reported
Cleanup Ceased:	4/24/1991
Cleanup Meets Standard:	True
SWIS:	4101
Investigator:	SULLIVAN
Referred To:	Not reported
Reported to Dept:	12/6/1989
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	12/7/1989
Spill Record Last Update:	4/25/1991
Spiller Name:	Not reported
Spiller Company:	GAS STATION
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	199398
DEC Memo:	Not reported
Remarks:	(2) SYSTEMS, 1ST SYSTEM HAS (2) 550'S & 2ND HAS (3) 550'S, BOTH FAILEDAIR PRESSURE TEST & BOTH ARE LOSING PRODUCT, WILL REMOVE PRODUCT FROM TANKS & EXCAVATE,REFER TO SPILL #9001296.

Material:

Site ID:	242743
Operable Unit ID:	933842
Operable Unit:	01
Material ID:	441969
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	242743
Spill Tank Test:	1536521
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported

48-02 VAN DAM ST/QUEENS (Continued) **S104275557**

Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

HIST LTANKS:
Region of Spill: 2
Spill Number: 8908780
Spill Date: 12/06/1989
Spill Time: 01:00
Spill Cause: Tank Test Failure
Resource Affectd: Groundwater
Water Affected: Not reported
Spill Source: Gas Station
Spill Class: Not reported
Spill Closed Dt: 04/24/91
Cleanup Ceased: 04/24/91
Cleanup Meets Standard: True
Investigator: SULLIVAN
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 12/06/89
Reported to Department Time: 10:45
SWIS: 63
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: GAS STATION
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (718) 937-9391
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 12/07/89
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 04/25/91
Is Updated: False

Tank:
PBS Number: Not reported

48-02 VAN DAM ST/QUEENS (Continued) **S104275557**

Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Spill Cause: 2) SYSTEMS, 1ST SYSTEM HAS 2) 550 S 2ND HAS 3) 550 S, BOTH FAILEDAIR PRESSURE TEST BOTH ARE LOSING PRODUCT, WILL REMOVE PRODUCT FROM TANKS EXCAVATE,REFER TO SPILL 9001296.

AF218 **49-39 VAN DAM ST/QUEENS** **NY LTANKS** **S104275662**
SE **49-39 VAN DAM STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.316 mi.
1667 ft. **Site 2 of 3 in cluster AF**

Relative:
Higher

Actual:
20 ft.

LTANKS:
Site ID: 252120
Spill No: 9101805
Spill Date: 5/15/1991
Spill Cause: Tank Overfill
Spill Source: Private Dwelling
Spill Class: Not reported
Spill Closed Dt: 5/15/1991
Facility Addr2: Not reported
Cleanup Ceased: 5/15/1991
Cleanup Meets Standard: True
SWIS: 4101
Investigator: FINGER
Referred To: Not reported
Reported to Dept: 5/15/1991
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 5/15/1991
Spill Record Last Update: 9/30/2004
Spiller Name: Not reported
Spiller Company: WHALECO
Spiller Address: 1 COFFEY STREET
Spiller City,St,Zip: BROOKLYN, NY
Spiller County: 001

49-39 VAN DAM ST/QUEENS (Continued) **S104275662**

Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	206597
DEC Memo:	Not reported
Remarks:	TANK OVERFILL IN BASEMENT,CLEANED UP WITH DRYSOL.

Material:

Site ID:	252120
Operable Unit ID:	952912
Operable Unit:	01
Material ID:	424341
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	6
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9101805
Spill Date:	05/15/1991
Spill Time:	07:30
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Not reported
Spill Closed Dt:	05/15/91
Cleanup Ceased:	05/15/91
Cleanup Meets Standard:	True
Investigator:	FINGER
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported

49-39 VAN DAM ST/QUEENS (Continued) **S104275662**

Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 05/15/91
Reported to Department Time: 07:53
SWIS: 63
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: WHALECO
Spiller Address: 1 COFFEY STREET
Spiller City,St,Zip: BROOKLYN, NY
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (718) 852-7000
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/15/91
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 6
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: TANK OVERFILL IN BASEMENT,CLEANED UP WITH DRYSOL.

AF219 **47-04 VAN DAM ST/QUEENS** **NY LTANKS** **S104275535**
SE **47-04 VAN DAM STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.320 mi.
1688 ft. **Site 3 of 3 in cluster AF**

Relative:
Higher

Actual:
20 ft.

LTANKS:

Site ID:	316408
Spill No:	8809581
Spill Date:	3/13/1989
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/7/1992
Facility Addr2:	Not reported
Cleanup Ceased:	10/7/1992
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	3/13/1989
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/20/1989
Spill Record Last Update:	2/15/1994
Spiller Name:	Not reported
Spiller Company:	QUEENSBOROUGH CORRECTIONA
Spiller Address:	47-04 VAN DAM STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	255095
DEC Memo:	Not reported
Remarks:	7.5K TANK FAILED PETRO TITE WITH A LEAK RATE OF .464GPH, ATLANTIC TESTING ON SITE, WILL DO ISOLATED RETEST.

Material:

Site ID:	316408
Operable Unit ID:	925839
Operable Unit:	01
Material ID:	450765
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

47-04 VAN DAM ST/QUEENS (Continued) **S104275535**

Tank Test:

Site ID:	316408
Spill Tank Test:	1535240
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	8809581
Spill Date:	03/13/1989
Spill Time:	16:40
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/07/92
Cleanup Ceased:	10/07/92
Cleanup Meets Standard:	False
Investigator:	BATTISTA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	03/13/89
Reported to Department Time:	18:02
SWIS:	63
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	QUEENSBOROUGH CORRECTIONA
Spiller Address:	47-04 VAN DAM STREET
Spiller City,St,Zip:	LONG ISLAND CITY, NY
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	2-350591
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False

47-04 VAN DAM ST/QUEENS (Continued) **S104275535**

Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/20/89
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 02/15/94
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: 7.5K TANK FAILED PETRO TITE WITH A LEAK RATE OF .464GPH, ATLANTIC TESTING ON SITE, WILL DO ISOLATED RETEST.

220
ENE
1/4-1/2
0.320 mi.
1689 ft.

40 GROVE STREET
MANHATTAN, NY

NY LTANKS **S104619502**
NY HIST LTANKS **N/A**

Relative:
Higher

Actual:
21 ft.

LTANKS:
Site ID: 289822
Spill No: 9801149
Spill Date: 4/20/1998
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 3/3/2003
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: ADMIN. CLOSED
Referred To: Not reported
Reported to Dept: 4/27/1998
CID: 266
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False

(Continued) **S104619502**

UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/27/1998
Spill Record Last Update:	9/5/2003
Spiller Name:	MARY ELLEN
Spiller Company:	JONIS REALTY COMPANY
Spiller Address:	6 GRACE AVENUE
Spiller City,St,Zip:	GREAT NECK, NY 11021-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	234671
DEC Memo:	Not reported
Remarks:	FURTHER ACTION TO FOLLOW.CLOSED DUE TO LACK OF ANY RECENT INFO - DOES NOT MEET ANY CLEANUP REQUIREMENTS.

Material:

Site ID:	289822
Operable Unit ID:	1061875
Operable Unit:	01
Material ID:	323092
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	289822
Spill Tank Test:	1545827
Tank Number:	1
Tank Size:	1500
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

Site ID:	289821
Spill No:	0304065
Spill Date:	7/17/2003
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/9/2005
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported

(Continued) **S104619502**

Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	MDBRAND
Referred To:	Not reported
Reported to Dept:	7/17/2003
CID:	282
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	7/17/2003
Spill Record Last Update:	11/9/2005
Spiller Name:	JOE MOHAN
Spiller Company:	40 GROVE STREET LLC
Spiller Address:	6 GRACE AVE
Spiller City,St,Zip:	GREAT NECK, NY 11021
Spiller County:	001
Spiller Contact:	JIM - PROTEST
Spiller Phone:	(631) 321-4670
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	305378
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"07/18/2005: Letter requesting further information faxed to building manager, Jonis Realty. M. Brand NYSDEC DER Albany.10/31/2005: Call to Jonis Realty, Joe Mohan(516-466-3333)requesting follow-up on faxed letter. Joe faxed invoice from ProTest showing repair and re-test of tank on 09/08/2003. Call to ProTest (Jim M. at 631-312-4670) looking for documentation of positive retest.11/09/2005: Spoke with ProTest, tank was re-tested and passed on 09/08/2003. PBS (2-082139) shows tank was subsequently tested and passed on 09/27/2004. Spill closed 11/09/2005 due to tank repair, positive retest, and lack of environmental problems. NFA letter sent to Jonis Realty. M.Brand NYSDEC DER Albany.
Remarks:	TANK FAILED THE TEST

Material:

Site ID:	289821
Operable Unit ID:	872316
Operable Unit:	01
Material ID:	504925
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	289821
Spill Tank Test:	1528522

(Continued) **S104619502**

Tank Number: 1
Tank Size: 1500
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

HIST LTANKS:
Region of Spill: 2
Spill Number: 9801149
Spill Date: 04/20/1998
Spill Time: Not reported
Spill Cause: Tank Test Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: O'DOWD
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 04/27/98
Reported to Department Time: 11:36
SWIS: 62
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: JONIS REALTY COMPANY
Spiller Address: 6 GRACE AVENUE
Spiller City,St,Zip: GREAT NECK, NY 11021-
Spiller Cleanup Date: / /
Facility Contact: MARY ELLEN
Facility Phone: (516) 466-3333
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/27/98
Time Spill Entered In Computer Data File: Not reported

(Continued) **S104619502**

Spill Record Last Update: 04/28/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: 1
Tank Size: 1500
Test Method: Horner EZ Check
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: FURTHER ACTION TO FOLLOW.

AG221 **46 CARMINE STREET** **NY LTANKS** **S102672896**
East **46 CARMINE STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.329 mi.
1736 ft. **Site 1 of 4 in cluster AG**

Relative:
Higher

Actual:
18 ft.

LTANKS:
Site ID: 307114
Spill No: 9500629
Spill Date: 4/17/1995
Spill Cause: Tank Overfill
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 4/17/1995
Facility Addr2: Not reported
Cleanup Ceased: 4/17/1995
Cleanup Meets Standard: True
SWIS: 3101
Investigator: SMMARTIN
Referred To: Not reported
Reported to Dept: 4/17/1995
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 5/15/1995
Spill Record Last Update: 9/30/2004
Spiller Name: Not reported

46 CARMINE STREET (Continued) **S102672896**

Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	248023
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	CAUSED BY A BLOWN LINE

Material:

Site ID:	307114
Operable Unit ID:	1011524
Operable Unit:	01
Material ID:	369247
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9500629
Spill Date:	04/17/1995
Spill Time:	09:15
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/17/95
Cleanup Ceased:	04/17/95
Cleanup Meets Standard:	True
Investigator:	MARTINKAT

46 CARMINE STREET (Continued) **S102672896**

Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 04/17/95
Reported to Department Time: 09:26
SWIS: 62
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: SAME
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/15/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 4
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: CAUSED BY A BLOWN LINE

AH222 ON SIDEWALK NY LTANKS S106971432
ENE 7 MORTON STREET N/A
1/4-1/2 NEW YORK, NY
0.329 mi.
1738 ft. Site 1 of 2 in cluster AH

Relative:
Higher

Actual:
19 ft.

LTANKS:

Site ID:	332891
Spill No:	0408226
Spill Date:	10/26/2004
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/24/2004
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	10/26/2004
CID:	444
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/26/2004
Spill Record Last Update:	11/24/2004
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	AMANDA RIPLEY
Spiller Phone:	(646) 285-6375
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	268114
DEC Memo:	Not reported
Remarks:	apparently an oil truck was deleivering oil near this address and spilled oil all over sidewalk:

Material:

Site ID:	332891
Operable Unit ID:	1095098
Operable Unit:	01
Material ID:	575227
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

ON SIDEWALK (Continued) **S106971432**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

AD223 **DOVER GARAGE** **NY HIST LTANKS** **S103478983**
NE **534 HUDSON STREET** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.329 mi.
1739 ft. **Site 2 of 3 in cluster AD**

Relative:
Higher

Actual:
25 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9805274
Spill Date:	07/28/1998
Spill Time:	13:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	07/28/98
Reported to Department Time:	13:29
SWIS:	62
Spiller Contact:	CALLER
Spiller Phone:	(973) 942-0700
Spiller Extention:	Not reported
Spiller Name:	DOVER GARAGE
Spiller Address:	534 HUDSON STREET
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Cleanup Date:	/ /
Facility Contact:	ROBERT STILLMAN
Facility Phone:	(212) 686-2400
Facility Extention:	Not reported
Spill Notifier:	Responsible Party
PBS Number:	Not reported

DOVER GARAGE (Continued) **S103478983**

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 07/28/98
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 07/29/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: CALLER IS GOING TO REMOVE ALL CONTAMINATED SOIL. DEC Sigona) called Mike Tumulty on 7/28/98. He called back left message on 7/29/98 said they removed a 550 at former taxi storage facility. They will try to remove all of the contaminated soil and take end-point samples and send results to DEC. This is the site of the former set for the TV show Taxi. DEC Sigona) would perrform field inspection if further excavation and remediation is necessary depending on laboratory results. 7/29/98 2:30 P.M. Developer is nervous because they plan to erect 7 story building at site.
Spill Cause: caller pulling old tank at taxi station, encountered contaminated soil.

AD224 **FORMER TAXI GARAGE** **NY LTANKS** **S103479590**
NE **534 HUDSON ST** **NY HIST LTANKS** **N/A**
1/4-1/2 **MANHATTAN, NY** **NY Spills**
0.329 mi.
1739 ft. **Site 3 of 3 in cluster AD**

Relative:
Higher

Actual:
25 ft.

LTANKS:
Site ID: 205951
Spill No: 9807492
Spill Date: 9/18/1998
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/24/1998
Facility Addr2: Not reported

FORMER TAXI GARAGE (Continued) **S103479590**

Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	9/18/1998
CID:	365
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/18/1998
Spill Record Last Update:	11/24/1998
Spiller Name:	ROBERT STILLMAN
Spiller Company:	PRIOR OWNER SLIGO REALTY
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	MICHAEL TUMULTY
Spiller Phone:	(973) 942-0700
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	264487
DEC Memo:	Not reported
Remarks:	construction revealed a 550 gallon waste oil tank - cross ref 9805274 anthony Sigona w/ dec

Material:

Site ID:	205951
Operable Unit ID:	1065060
Operable Unit:	01
Material ID:	318576
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	10
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

FORMER TAXI GARAGE (Continued) **S103479590**

HIST LTANKS:

Region of Spill:	2
Spill Number:	9807492
Spill Date:	09/18/1998
Spill Time:	10:30
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	11/24/98
Cleanup Ceased:	/ /
Cleanup Meets Standard:	True
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	09/18/98
Reported to Department Time:	11:57
SWIS:	62
Spiller Contact:	MICHAEL TUMULTY
Spiller Phone:	(973) 942-0700
Spiller Extention:	Not reported
Spiller Name:	PRIOR OWNER SLIGO REALTY
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	ROBERT STILLMAN
Facility Phone:	(212) 686-2400
Facility Extention:	Not reported
Spill Notifier:	Affected Persons
PBS Number:	2-010693
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	09/18/98
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	11/24/98
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported

FORMER TAXI GARAGE (Continued) **S103479590**

Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 10
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 10
Unkonwn Quantity Recovered: False
Material: WASTE OIL
Class Type: WASTE OIL
Times Material Entry In File: 9509
CAS Number: Not reported
Last Date: 19940927
DEC Remarks: DEC SIGONA) RECEIVED A CLEANUP REPORT from H2M Group dated October 26, 1998. DEC reveiwed the results of endpoint soil testing and found that the levels met STARS Memo No. 1 guidance values. This closes the spill associated with the waste oil USTs see letter to Sligo Realty Co, dated Nov 24, 1998). However, the spill investigation no. 9805274 associated with the removal of the former gasoline USTs is being cleaned up by a separate cleanup plan from H2M Group, dated September 25th Oct. 2nd,1998 were approved in a letter to Sliglo Realty, dated Nov. 24, 1998. The cleanup report on the gasoline USTs is due on Jan. 31, 1999.
Spill Cause: construction revealed a 550 gallon waste oil tank - cross ref 9805274 anthony Sigona w/ dec

SPILLS:
Facility ID: 9805274
DER Facility ID: 264487
Facility Type: ER
Site ID: 328646
DEC Region: 2
Spill Number: 9805274
Spill Date: 7/28/1998
Spill Cause: Unknown
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: Not Closed
SWIS: 3101
Investigator: skcarlso
Referred To: QUARTERLY REPORT OVERDUE
Reported to Dept: 7/28/1998
CID: 205
Water Affected: Not reported
Spill Source: Non Major Facility > 1,100 gal
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: True
Remediation Phase: 5
Date Entered In Computer: 7/28/1998
Spill Record Last Update: 8/9/2012
Spiller Name: ROBERT STILLMAN
Spiller Company: DOVER GARAGE
Spiller Address: 534 HUDSON STREET

FORMER TAXI GARAGE (Continued) **S103479590**

Spiller City,St,Zip: MANHATTAN, NY
Spiller Company: 001
Contact Name: CALLER
Contact Phone: (973) 942-0700
DEC Memo: CALLER IS GOING TO REMOVE ALL CONTAMINATED SOIL.DEC (Sigona) called Mike Tumulty on 7/28/98. He called back left message on 7/29/98 said they removed a 550 at former taxi storage facility. They will try to remove all of the contaminated soil and take end-point samples and send results to DEC. This is the site of the former set for the TV show Taxi.DEC (Sigona) would perform field inspection if further excavation and remediation is necessary depending on laboratory results. 7/29/98 2:30 P.M. Developer is nervous because they plan to erect 7 story building at site.This gasoline spill case has been reassigned from DEC (Sigona) to Rommel on January 7, 2004.9/28/04 Transferred from Rommel to K Foley.12/7/05 Transferred from Foley to Carlson.12/23/05: Reviewed file. A 550 gas tank was removed and surrounding contaminated soil. GW was impacted. Latest monitoring report from H2M is dated 10/20/1999. Report indicates a significant increase in BTEX concentration after ORC was applied. H2M concluded there is an off site source and additional remedial action wasn't planned. Sigona visited the gas station (107 Charles Street/540 Hudson Street) and confirmed that they have un-registered UST's. The other potential source (6th precint, spill # 92-12918) does not appear to be a significant contributer (see Jon Kolleenys memo). I called Chuck Martello (H2M) and left a message requesting recent monitoring data and informing him I will draft a letter with results of my potential off site source investigation.1/3/06: Sent an additional delineation letter requiring a MW by 107 charles street by 2/28/06, and quarterly reports. 3/20/2006: Called Chuck Martello of H2M and he does not have any recent info about the site and has not spoken to Sligo Realty since 1999. Phone number for Gerald Cunningham of Sligo Realty is not in service. NYSDOS dept of corperations entity info lists Sligo's address as SLIGO REALTY AND SERVICE CORP., 248 W. 60TH ST., NEW YORK, NEW YORK, 10023. Property shark and acris show no title info. Recent building permits show the contact to be Seth Weinstein (212-307-0500 x228). Spoke with Seth Weinstein. He is the current owner/manager of the property, which is a condominium. He requested a fax with information regarding the spill (fax: 212-262-5697).3/21/06: Faxed Seth Weinstein a letter requiring additional delineation and quarterly reports, a FOIL spill report, and the H2M letter/report dated 10/20/1999.3/23/06: Received phone call from Gerald Cunningham's attorney: Matt Parisi of Bleakley, Platt and Schmidt, he is going to trial in 1 week and will give me an update on the case afterwards. Matthew G. ParisiBleakley Platt & Schmidt, LLPOne North Lexington Ave. White Plains, New York 10601www.bpslaw.com P: 914-287-6184F: 914-683-6956mparisi@bpslaw.com5/23/06: Spoke to Matthew Parisi. He will contact rp and consultant and get back to me.6/20/06: Left voice message for Matthew Parisi to followup on overdue delineation and quarterly reporting. 6/21/06: Received phone message from Matt Parisi, he will speak with the consultant and get back to me.7/26/06: Left voice message with Matt Parisi on status of overdue quarterly report. 8/11/06: Left phone message with Matt Parisi on status of site.8/21/06: Sent stipulation agreement. Due back 9/18/06.8/25/06: Spoke with Matt Parisi. A FOIL request will be submitted for 6th precinct spill upgradient.8/28/06: Received the cc of a FOIL request for 6th precinct spill.10/6/06: Spoke to Matthew Parisi. I

FORMER TAXI GARAGE (Continued) **S103479590**

recommended he call Gloria Silva regarding the FOIL request.10/23/06: Spoke to Matthew Parisi. He will call Gloria Silva and then call me back with an update.10/27/06: Received email from Matthew Parisi: "Following up on our recent conversations, Gloria Silva is going to send all the documents subject to my FOIL requests to a printer for copying. I will contact you when I receive the copies."11/13/06: Left voice message with Matthew Parisi to followup on site status. A new deadline for Stip, update report, and delineation should be established.11/15/06: Received email from Matthew Parisi (mparisi@bpslaw.com):" I finished picking ajury this morning and the trial is starting tomorrow morning. On this matter, we received a disc containing "a portion of the 6th Precinct DEC file." It was my understanding that the rest of the documents were being copied already. However, Ms. Silva called me today and said that they were going to send them to the copy center today. She said that I would get a call about the cost involved from the copy place, who I will tell to copy the entire file. I will let you know when I hear from them and will expedite the review process as best I can. As far as deadlines, Ms. Silva told me that she was going to copy about 2 to 3 inches worth of files. When I get them I will send them right out to H2M. If Ms. Silva's estimate is correct, I would think that we could have them reviewed within 2-3 weeks of receipt."11/28/06: File was sent out to be copied by the Department for the FOIL request.1/2/07: Sent email to Matthew Parisi indicating that a signed stip, update report, and delineation report are due on 2/2/07.1/3/07: Received call from Matthew Parisi, copies from the FOIL request have not been received yet.2/15/07: Spoke to Chuck Martello at H2M (973-942-0700 x 230). FOIL documents are under review. Groundwater will be sampled.5/1/07: Left phone message for Chuck Martello to followup on groundwater sampling.5/9/07: Left phone message for Chuck Martello to followup on site status.5/10/07: Emailed Chuck Martello (cmartello@h2m.com) to followup on groundwater sampling.5/11/07: Received phone message from Chuck Martello. He has not been able to contact the client for this site.Left voice message for Matt Parisi.5/17/07: Received email from Matt Parisi :"Earlier today I reached both my client andChuck Martello from H2M regarding the outstanding issues. I believe thatChuck will be reaching out to you (or may have already). In any event,they are going to address the outstanding issues and get back to youshortly."Spoke to Chuck Martello. Groundwater sampling planned for next week.6/4/07: Received phone message from Churck Martello. Contract expected to be signed this week.6/6/07: Groundwater sampling scheduled for 6/8/07, 10:30 am.6/8/07: Witnessed groundwater sampling of MW11 and MW13. The site is currently a Rite Aid (ground floor), apartment building (hudson street entrance), and nursing home (charles street entrance). 7/17/07: Spoke to Chuck Martello. Report is in preparation. 7/31/07: Emailed Chuck Martello to followup on submittal date for groundwater sampling report.8/15/07: Left voice message for Chuck Martello regarding overdue report.Spoke to Chuck Martello. He is waiting for authorization to release the report from the attorney Matt Parisi.8/22/07: Reviewed letter report. BTEX 229 ppb (MW12). MTBE 64 ppb (MW12). Sent letter requiring quarterly sampling and reporting.2/14/08: Received phone call from Chuck Martello of H2M. Wells have been sealed with grout. He is investigating to see who sealed wells (maybe consultant for 6 precinct spill). Wells will need to be reinstalled.3/10/08: Received phone message from Chuck Martello, URS will replace well on Monday.3/12/08: Spoke to Chuck

FORMER TAXI GARAGE (Continued) **S103479590**

Martello (973-942-0700). Well was not installed because scaffolding was present around the building. Well will be installed when scaffolding is removed. Reviewed letter dated 1/22/08 proposing the use of ORC socks in the well when it is reinstalled.3/18/08: Sent letter approving use of ORC socks in MW12, when it is reinstalled. (Curt Schmidt: cschmidt@h2m.com)8/6/08 - Carlson: Left phone message for Curt Schmidt (973-942-0700 x2234) - quarterly report is overdue. Spoke to Curt Schmidt - scaffolding is still in place, well can't be reinstalled until the end of the year. He will send letter.9/4/08 - Carlson: Received letter from H2M. MW12 can't be reinstalled until scaffolding remmoval in later 2008.11/26/08 - Carlson: Received letter from H2M. Well installation still delayed because scaffolding is in place.3/20/09 - Carlson: Received letter notifying that well installation scheduled for 4/1/09. Need to confirm soil sampling will be conducted during well installation.4/10/09 - Carlson: Received letter from Curt Schmidt. MW12 was reinstalled in the same borehole, ORC socks installed in well.7/9/09 - Carlson: Received email from curt scmidt, orc socks removed, site will be sampled on 7/16/09. 2/19/2010 - Carlson: Sent email to Curt Schmidt - quarterly report overdue.Spoke to Curt Schmidt. Report will be submitted in one or two weeks.2/10/2012 - Carlson: Spoke to Curt Schmidt at H2M, he will speak to owner and send report.2/17/2012 - Carlson: Received email from curt schmidt. ORC socks to be removed this week, groundwater to be sampled next week and monitoring report to be submitted.8/9/12 - Carlson: Spoke to Curt Schmidt at H2M. Owner is: Peter Cunningham, 559 Main Street, New Rochelle, NY, 10801. Need to send enforcement letter.

Remarks: Caller pulling old tank at taxi station, encountered contaminated soil.

Material:

Site ID:	328646
Operable Unit ID:	1063095
Operable Unit:	01
Material ID:	320021
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	True
Site ID:	328646
Operable Unit ID:	1063095
Operable Unit:	01
Material ID:	573859
Material Code:	1213A
Material Name:	MTBE (METHYL-TERT-BUTYL ETHER)
Case No.:	01634044
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	True

FORMER TAXI GARAGE (Continued) **S103479590**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

AE225 **6TH PRECINCT NYPD -DDC** **NY LTANKS** **S103478043**
NE **233 WEST 10TH STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **MANHATTAN, NY** **NY Spills**
0.330 mi.
1745 ft. **Site 2 of 3 in cluster AE**

Relative:
Higher

Actual:
24 ft.

LTANKS:

Site ID:	254537
Spill No:	9212918
Spill Date:	2/17/1993
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/22/2006
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2/17/1993
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/18/1993
Spill Record Last Update:	12/22/2006
Spiller Name:	Not reported
Spiller Company:	NYCPD-PRECINT #6
Spiller Address:	233 WEST 10TH STREET
Spiller City,St,Zip:	MANHATTAN, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	208489
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"Site was investigated by TRC Env'tal and then by URS, as part of DDC Consent Order. Soil and groundwater contamination was

6TH PRECINCT NYPD -DDC (Continued) **S103478043**

found; URS proposed installing SVE system to address soil and monitoring for groundwater. JK of DEC approved this plan. SVE system started in March 2002. In November 2003, URS advanced 6 confirmation soil borings to evaluate progress. Results showed high residual contamination at shallow depth in boring in sidewalk area near former fill port. URS proposed NFA/spill closure, but DEC asked for limited soil excavation in area of fill port. Then in May 2004, Con Edison encountered strong gasoline odors when excavating in street in front of fill port area; soil samples showed gasoline contamination (see spill 0401426). URS argued that further soil excavation was not practical, but recommended modifying SVE system by adding a 2nd extraction well in sidewalk; DEC approved this. System was modified, and re-started in January 2005 using only the newer SVE well. On-going semi-annual groundwater monitoring continues to show minor VOC exceedances. - JK 6/15/05Nov.-Dec. 2005: Reviewed System Performance Monitoring Report for August-October 2005. SVE system monitoring data show system appears to have reached asymptotic conditions, so URS will perform a confirmatory soil boring in area near sidewalk fill port where earlier confirmation sampling found high levels of VOCs. Groundwater results from July 2005 showed contaminant levels in the two wells that were sampled, MW-7 and MW-11R, increased to about 500-600 ppb total VOCs, and irregular groundwater flow direction with eastward component in area of MW-7 and MW-4. URS stated that all wells be sampled in first quarter of 2006. - J. Kolleeny10/19/06: Reviewed URS report Results of Confirmation Soil Sampling 2nd Round and Groundwater Results / Request for Spill Closure, dated Oct. 18, 2006. Results of soil sample from boring SB-12 near sidewalk fill port area and earlier hot confirmation boring SB-6 showed some TAGM 4046 exceedances (total VOCs of 29 ppm), but not nearly as high as SB-6 (total VOCs of 110 ppm). Exceedances are in shallow fill materials above a low-permeability silty clay layer, with sand & gravel below that; URS speculates that SVE system preferentially pulled vapors through sand/gravel layers, with little effect on top layer of fill materials due to silty clay layer. Groundwater sampling of wells MW-7 and MW-11R during Feb. and July 2006 showed ND for MW-11R and low-level contamination in MW-7 (up to ~30 ppb total VOCs). URS also did Sensitive Receptor Survey suggesting that the residual soil and groundwater contamination were unlikely to impact any receptors, they therefore requested spill closure and NFA. However, they did not sample all monitoring wells as they stated in the 11/18/05 System Performance Monitoring Report for August-October 2005. I sent email to Jane Staten of URS requesting that they sample wells MW-1 through MW-9 during the 4th quarter of 2006. - J. Kolleeny12/22/06: Reviewed URS's Request for Spill Closure dated Dec. 6, 2006. Report presents results of full round of groundwater sampling, as requested, although no samples were taken from MW-3 because it was inaccessible or MW-11R because it was ND for last two rounds (Feb. and July '06). [MW-3 was clean last 3 times it was sampled, in June 2000, March 2001, and May 2001.] GW samples were collected from MW-1, MW-2, MW-4, MW-6, MW-7, MW-8 & MW-9 on Nov. 27, 2006. Results showed exceedances only in MW-7, with 75 ppb total VOCs. This low-level contamination does not pose a significant threat to the environment or public, and will likely naturally attenuate over time. Residual soil contamination in area of borings SB-6 and SB-12 near sidewalk fill port is located above low-permeability silty clay layer, which will limit its potential to impact GW, which is 24-25 feet below grade. After

6TH PRECINCT NYPD -DDC (Continued) **S103478043**

	conferring with supervisor Vadim Brevdo, decided to close spill. - J. Kolleeny
Remarks:	TWO SEPERATE TANKS-TANK ONLY TESTS #1 VISIBLE LEAK,#2 GROSS

Material:

Site ID:	254537
Operable Unit ID:	977303
Operable Unit:	01
Material ID:	402739
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	254537
Spill Tank Test:	1541184
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	303156
Spill No:	9111635
Spill Date:	2/11/1992
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	1/10/2005
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	2/11/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/12/1992
Spill Record Last Update:	1/10/2005

6TH PRECINCT NYPD -DDC (Continued) **S103478043**

Spiller Name:	Not reported
Spiller Company:	NYPD PRECINCT 6
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	208489
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"10/10/95: This is additional information about material spilled from the translation of the old spill file: NO LEAD.This spill is referred to spill #9212918 and is closed today by II (01/10/05).
Remarks:	TANK 1,2 TEST FAILED, E.I.R.

Material:

Site ID:	303156
Operable Unit ID:	961935
Operable Unit:	01
Material ID:	416656
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	303156
Operable Unit ID:	961935
Operable Unit:	01
Material ID:	2096643
Material Code:	1213A
Material Name:	MTBE (METHYL-TERT-BUTYL ETHER)
Case No.:	01634044
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	303156
Spill Tank Test:	1539605
Tank Number:	1
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

6TH PRECINCT NYPD -DDC (Continued) **S103478043**

Site ID:	303156
Spill Tank Test:	1539606
Tank Number:	2
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	9111635
Spill Date:	02/11/1992
Spill Time:	12:30
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	KOLLEENY
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	02/11/92
Reported to Department Time:	14:05
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NYPD PRECINCT 6
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(718) 476-7574
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /

6TH PRECINCT NYPD -DDC (Continued) **S103478043**

Date Spill Entered In Computer Data File: 02/12/92
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 09/15/98
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: 1
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
PBS Number: Not reported
Tank Number: 2
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: 10/10/95: This is additional information about material spilled from the translation of the old spill file: NO LEAD.
Spill Cause: TANK 1,2 TEST FAILED, E.I.R.

SPILLS:
Facility ID: 0401426
DER Facility ID: 208489
Facility Type: ER
Site ID: 294051
DEC Region: 2
Spill Number: 0401426
Spill Date: 5/5/2004
Spill Cause: Unknown
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 6/15/2005
SWIS: 3101
Investigator: JAKOLLEE
Referred To: Not reported
Reported to Dept: 5/11/2004
CID: 444
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False

6TH PRECINCT NYPD -DDC (Continued) **S103478043**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/11/2004
Spill Record Last Update:	6/24/2005
Spiller Name:	ERT DESK
Spiller Company:	IN SOIL
Spiller Address:	102 CHARLES/BLEEKER
Spiller City,St,Zip:	MANHATTEN, NY
Spiller Company:	001
Contact Name:	ERT DESK
Contact Phone:	(212) 580-8383
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KOLLEENY"5/11/04: spoke with Glenn Newell, Con Ed Construction Management. Con Ed was excavating for new electric ducts in front of police station at above location - noted strong gasoline odor in soil. No staining seen. Lab results came back 11,200 ppm TPH for gasoline. There is a gas tank at the police station. Referred to Kolleeny (DDC monitor) for follow up. (JHO)Con Ed e2mis report # 153304:05/11/04 09:27 R. Harris #20059 of const. mgmt. notified the control center that in a excavation f/o 102 Charles St, that due to a strong odor of gasoline in the excavation, the chem lab was called and a sample was taken. For the purposes of this report, we are using 1 gallon of gasoline for the amount of spill since it was never determined. The results of the sample, which was posted today (5/11/04) show 11,200 PPM of gasoline in the soil. The excavation is approx. 30x2 ft. There are gasoline pumps across the street. The excavation is plated and barricaded. The source and cause of the spill is unknown.This is a 3rd party spill. There was no initial cleanup taken.This spill was discovered in an excavation in the street behind the 6th police precinct (at the Charles Street entrance to parking lot). URS is operating an SVE system to address soil contamination at the site; the system will be modified to target this area, to the extent feasible. - J. Kolleeny 3/22/05.See open spill no. 9212918, under which remediation of this site pursuant to DDC consent order is being tracked. - JK 6/15/056/15/05: URS installed new vapor extraction well in sidewalk to address fill port area and try to address this area of soil contamination Con Ed encountered in the street. They resumed operating SVE system using this new well in January 2005. This spill is being closed to consolidate with open spill 9212918, under which site remediation pursuant to DDC consent order is being tracked. - JK
Remarks:	UNSURE CAUSE WAITED TO FILE TIL TEST RESULTS WERE DONE: CLEAN UP WILL BE STARTING, NO TO 5 QUESTIONS:

Material:

Site ID:	294051
Operable Unit ID:	883276
Operable Unit:	01
Material ID:	492638
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No

6TH PRECINCT NYPD -DDC (Continued) **S103478043**

Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

AE226 **233 WEST 10TH STREET** **NY HIST LTANKS** **S100177585**
NE **233 WEST 10TH STREET** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.330 mi.
1745 ft. **Site 3 of 3 in cluster AE**

Relative:
Higher

Actual:
24 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9212918
Spill Date:	02/17/1993
Spill Time:	10:00
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	KOLLEENY
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	02/17/93
Reported to Department Time:	15:35
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	NYCPD-PRECINT #6
Spiller Address:	233 WEST 10TH STREET
Spiller City,St,Zip:	MANHATTAN
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(718) 476-7574

233 WEST 10TH STREET (Continued) **S100177585**

Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/18/93
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 10/14/97
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: TWO SEPERATE TANKS-TANK ONLY TESTS 1 VISIBLE LEAK, 2 GROSS

AI227 **297 WEST STREET** **NY HIST LTANKS** **S101174411**
South **297 WEST STREET** **N/A**
1/4-1/2 **NEW YORK, NY**
0.334 mi.
1762 ft. **Site 1 of 6 in cluster AI**

Relative:
Lower

Actual:
3 ft.

HIST LTANKS:
Region of Spill: 2
Spill Number: 9404493
Spill Date: 06/30/1994
Spill Time: 14:45
Spill Cause: Tank Test Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False

297 WEST STREET (Continued) **S101174411**

Investigator: ZHITOMIRSKY
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 06/30/94
Reported to Department Time: 15:14
SWIS: 62
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: NYC DEPT OF SANITATION
Spiller Address: 297 WEST STREET
Spiller City,St,Zip: NEW YORK, NEW YORK
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/04/94
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 10/14/97
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Pounds
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: UNKNOWN PETROLEUM
Times Material Entry In File: 16414
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported

297 WEST STREET (Continued) **S101174411**

Spill Cause: Not reported

AI228
South
1/4-1/2
0.334 mi.
1762 ft.

DEPT OF SANITATION
297 WEST ST
MANHATTAN, NY

NY LTANKS **S104950873**
NY HIST LTANKS **N/A**
NY MANIFEST
NY Spills

Site 2 of 6 in cluster AI

Relative:
Lower

Actual:
3 ft.

LTANKS:

Site ID:	240195
Spill No:	0011671
Spill Date:	1/29/2001
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	2/6/2006
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	MDMACCAB
Referred To:	Not reported
Reported to Dept:	1/29/2001
CID:	207
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/29/2001
Spill Record Last Update:	2/6/2006
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	GEORGE MCDERMOTT
Spiller Phone:	(516) 485-0000
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	309192
DEC Memo:	UST was closed in place May 19, 2003.See PBS # 2-455830.
Remarks:	Not reported

Material:

Site ID:	Not reported
Operable Unit ID:	Not reported
Operable Unit:	Not reported
Material ID:	Not reported
Material Code:	Not reported
Material Name:	Not reported
Case No.:	Not reported
Material FA:	Not reported
Quantity:	Not reported
Units:	Not reported

DEPT OF SANITATION (Continued) **S104950873**

Recovered: Not reported
Resource Affected: Not reported
Oxygenate: Not reported

Tank Test:
Site ID: 240195
Spill Tank Test: 1526078
Tank Number: 1
Tank Size: 2000
Test Method: 03
Leak Rate: 0
Gross Fail: F
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

Site ID: 135631
Spill No: 9404493
Spill Date: 6/30/1994
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 5/30/2007
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: JAKOLLEE
Referred To: Not reported
Reported to Dept: 6/30/1994
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 10/4/1994
Spill Record Last Update: 5/30/2007
Spiller Name: Not reported
Spiller Company: NYC DEPT OF SANITATION
Spiller Address: 297 WEST STREET
Spiller City,St,Zip: NEW YORK, NY
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 309192
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"7/21/2005- Reviewed Quaterly Monitoring Report received in June 2005.ORC socks were installed in wells MW-2, 10 and 13R. In February 2005 LiRo conducted additional soil excavations that were requested by DEC. LiRo recommended continued operation and monitoring. The Department concurred. AZ05/30/07: This spill case

DEPT OF SANITATION (Continued) **S104950873**

transferred to J. Kolleeny. LiRo Engineers undertook remediation of this site under DDC Consent Order. Remedial actions included excavation of contaminated soil from several areas, installation/operation of SVE system, bio-nutrient application, and ORC application. Results of LiRo's February 2006 Sensitive Receptor Survey (in eDocs for related spill 9804683) for site indicate low-level residual GW contamination in two monitoring wells is unlikely to pose a threat to environment or public health. LiRo's remedial actions and well network addressed entire site, all tanks. OK to close spill. - J. Kolleeny

Remarks: Not reported

Material:

Site ID:	135631
Operable Unit ID:	1001573
Operable Unit:	01
Material ID:	381105
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	135631
Spill Tank Test:	1542917
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

Site ID:	240197
Spill No:	9712858
Spill Date:	2/18/1998
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	3/2/2005
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	2/18/1998
CID:	257

DEPT OF SANITATION (Continued) **S104950873**

Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	2/18/1998
Spill Record Last Update:	7/7/2005
Spiller Name:	TONY MARINO
Spiller Company:	MANHATTAN WEST ONE
Spiller Address:	297 WEST ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	001
Spiller Contact:	TONY MARINO
Spiller Phone:	(718) 391-1062
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	309192
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"REPORT IS BEING PRODUCED BY URS. 2/18/98.The spill is closed in consultation with Alex to consolidate with spill # 9804683. The spill site is currently under remediation by LiRo Engineers. - II (03/02/05).
Remarks:	call just recieved result for soil samples

Material:

Site ID:	240197
Operable Unit ID:	1055712
Operable Unit:	01
Material ID:	327440
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	240197
Operable Unit ID:	1055712
Operable Unit:	01
Material ID:	327441
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported

DEPT OF SANITATION (Continued) **S104950873**

Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Site ID:	240198
Spill No:	9804683
Spill Date:	7/13/1998
Spill Cause:	Tank Overfill
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	7/11/2006
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	7/14/1998
CID:	281
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	7/14/1998
Spill Record Last Update:	7/11/2006
Spiller Name:	NICK ARGIRO
Spiller Company:	NYC DEPT OF SANITATION
Spiller Address:	297 WEST ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	001
Spiller Contact:	KEN ROSS
Spiller Phone:	(516) 249-3150
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	309192
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"The spill is also referred to spill # 9712858. The site is currently under remediation by LiRo Engineers. - II (03/02/05).7/21/2005- Reviewed Quaterly Monitoring Report received in June 2005.ORC socks were installed in wells MW-2, 10 and 13R. In February 2005 LiRo conducted additional soil excavations that were requested by DEC. LiRo recommended continued operation and monitoring. The Department concurred. AZ11/08/09 - Reviewed Quarterly Monitoring Report received in October 2005. MW-13 exhibited total VOCs concentrations of 179 ppb. Concentrations in this well fluctuate between 34 ppb and 230 ppb - unstable plume conditions. MW-2, a downgradient well, exhibited concentrations of 68 ppb up from

DEPT OF SANITATION (Continued) **S104950873**

previous reading 4 ppb. My conclusions: plume conditions are unstable. Sentinel well is contaminated. Further monitoring is needed. AZ 7/11/2006 Reviewed Sensitive Receptor Survey Report by LiRo. The site underwent remediation: excavation of a contaminated fill port area along Canal Street, installation of a soil vapor extraction system (SVE), bio-nutrient application and the application of oxygen release compound (ORC). Fill port excavation was completed in 2001. ORC was applied in March 2003 and September 2003 in 8 eight wells in the southern portion of the site and in 12 wells in the northern portion of the site. For the soil biorestoration, a bacteria-nutrient slurry mix was injected for 6 consecutive weeks starting on March 11, 2003. The SVE system was working from July 29, 2003 until a shutdown in October 2004. The shutdown was approved by DEC. The ORC socks were installed in October 2004 and April 2005. Additional soil excavation was performed in January/February 2005, as requested by DEC. LiRo stated that there is no known direct exposure pathways within 2,000 feet of the site. Site groundwater appears to be controlled by Holland tunnel dewatering system. LiRo recommended closure of this spill. Jon Kolleeny suggested closure of this spill.
AZ

Remarks: CALLER RESPONDED TO ABOVE LOCATION FOR TANK UPGRADE. UPONREMOVAL OF OLD TANK SOIL CONTAMINATION WAS DISCOVERED. SOILHAS BEEN REMOVED AND FURTHER TESTING AND TANK REPLACEMENTTO FOLLOW. NO CALL BACK REQUEST.

Material:

Site ID:	240198
Operable Unit ID:	1062606
Operable Unit:	01
Material ID:	319454
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	240198
Operable Unit ID:	1062606
Operable Unit:	01
Material ID:	319455
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported

DEPT OF SANITATION (Continued) **S104950873**

Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	0011671
Spill Date:	01/29/2001
Spill Time:	12:00
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	SANGESLAND
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	01/29/01
Reported to Department Time:	15:28
SWIS:	62
Spiller Contact:	GEORGE MCDERMOTT
Spiller Phone:	(516) 485-0000
Spiller Extention:	Not reported
Spiller Name:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	2-455830
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	01/29/01
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	01/29/01

DEPT OF SANITATION (Continued) **S104950873**

Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: 1
Tank Size: 2000
Test Method: Horner EZ Check
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail

Material:
Material Class Type: Not reported
Quantity Spilled: Not reported
Unkonwn Quantity Spilled: Not reported
Units: Not reported
Quantity Recovered: Not reported
Unkonwn Quantity Recovered: Not reported
Material: Not reported
Class Type: Not reported
Times Material Entry In File: Not reported
CAS Number: Not reported
Last Date: Not reported
DEC Remarks: Not reported
Spill Cause: Not reported

NY MANIFEST:
EPA ID: NYD986870145
Country: USA
Mailing Name: WEST #1 DEPT OF SANITATION
Mailing Contact: PAUL L ABBATE
Mailing Address: 297 WEST ST
Mailing Address 2: Not reported
Mailing City: NEW YORK
Mailing State: NY
Mailing Zip: 10013
Mailing Zip4: Not reported
Mailing Country: USA
Mailing Phone: 516-249-3150

NY MANIFEST:
No Manifest Records Available

SPILLS:
Facility ID: 0012882
DER Facility ID: 309192
Facility Type: ER
Site ID: 240196
DEC Region: 2
Spill Number: 0012882
Spill Date: 2/13/2001
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 5/30/2007
SWIS: 3101
Investigator: JAKOLLEE

DEPT OF SANITATION (Continued) **S104950873**

Referred To:	Not reported
Reported to Dept:	3/7/2001
CID:	207
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/7/2001
Spill Record Last Update:	5/30/2007
Spiller Name:	Not reported
Spiller Company:	NYC SANITATION GARAGE
Spiller Address:	135 W 131ST ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	001
Contact Name:	GEORGE MCDERMOTT
Contact Phone:	(516) 485-0000
DEC Memo:	05/30/07: This spill case transferred to J. Kolleeny. LiRo Engineers performed remediation of this site under DDC Consent Order. Remedial actions included excavation of contaminated soil from several areas, installation & operation of SVE system, bio-nutrient injections and ORC injections. Results of LiRo's February 2006 Sensitive Receptor Survey (in eDocs for related spill 9804683) indicate that low-level residual GW contamination in two wells is unlikely to pose a hazard to environment or public health. Remedial actions and well network addressed entire site, all tanks, including these hoist oil and motor oil tanks. OK to close spill. - JK
Remarks:	CONTAMINATED SOIL FOUND IN THE COURSE OF A TANK ABANDONMENTTANKS ARE VAULTED AND ARE NEXT TO VAULTED TANKS STILL IN USE

Material:

Site ID:	240196
Operable Unit ID:	834432
Operable Unit:	01
Material ID:	539606
Material Code:	0010
Material Name:	Hydraulic Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	240196
Operable Unit ID:	834432
Operable Unit:	01
Material ID:	539607
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons

DEPT OF SANITATION (Continued) **S104950873**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

AI229 **MANHATTAN WEST ONE** **NY HIST LTANKS** **S103037855**
South **297 WEST ST** **N/A**
1/4-1/2 **NEW YORK NY, NY**
0.334 mi.
1762 ft. **Site 3 of 6 in cluster AI**

Relative:
Lower

Actual:
3 ft.

HIST LTANKS:
Region of Spill: 2
Spill Number: 9712858
Spill Date: 02/18/1998
Spill Time: 11:30
Spill Cause: Tank Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: ZHITOMIRSKY
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 02/18/98
Reported to Department Time: 13:07
SWIS: 62
Spiller Contact: TONY MARINO
Spiller Phone: (718) 391-1062
Spiller Extention: Not reported
Spiller Name: MANHATTAN WEST ONE
Spiller Address: 297 WEST ST
Spiller City,St,Zip: MANHATTAN, NY
Spiller Cleanup Date: / /
Facility Contact: TONY MARINO

MANHATTAN WEST ONE (Continued) **S103037855**

Facility Phone: (718) 391-1062
Facility Extention: Not reported
Spill Notifier: Other
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/18/98
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 03/08/01
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: REPORT IS BEING PRODUCED BY URS. 2/18/98.
Spill Cause: call just recieved result for soil samples

AI230 **DSNY MANHATTAN DISTRICT 1 GARAGE** **NY HIST LTANKS** **U001840257**
South **297 WEST STREET** **NY UST** **N/A**
1/4-1/2 **NEW YORK, NY 10013** **NY HIST UST**
0.334 mi.
1762 ft. **Site 4 of 6 in cluster AI**

Relative:
Lower

Actual:
3 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9804683
Spill Date:	07/13/1998
Spill Time:	08:00
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Not reported
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	ZHITOMIRSKY
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	07/14/98
Reported to Department Time:	17:06
SWIS:	62
Spiller Contact:	KEN ROSS
Spiller Phone:	(516) 249-3150
Spiller Extention:	Not reported
Spiller Name:	NYC DEPT OF SANITATION
Spiller Address:	297 WEST ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Cleanup Date:	/ /
Facility Contact:	NICK ARGIRO
Facility Phone:	(516) 932-1110
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	07/14/98
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	03/08/01
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: DIESEL
Class Type: DIESEL
Times Material Entry In File: 10625
CAS Number: Not reported
Last Date: 19940728
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: CALLER RESPONDED TO ABOVE LOCATION FOR TANK UPGRADE. UPON REMOVAL OF OLD TANK SOIL CONTAMINATION WAS DISCOVERED. SOIL HAS BEEN REMOVED AND FURTHER TESTING AND TANK REPLACEMENT TO FOLLOW. NO CALL BACK REQUEST.

UST:
Facility Id: 2-455830
Region: STATE
DEC Region: 2
Site Status: Active
Program Type: PBS
Expiration Date: 2013/12/06
UTM X: 583522.69894999999
UTM Y: 4508745.3891700003

Affiliation Records:
Site Id: 20069
Affiliation Type: Owner
Company Name: NYC DEPARTMENT OF SANITATION
Contact Type: Not reported
Contact Name: Not reported
Address1: 125 WORTH STREET - ROOM 823B
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (646) 885-4856
Phone Ext: Not reported
Email: Not reported
Fax Number: Not reported

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Modified By:	NRLOMBAR
Date Last Modified:	12/11/2012

Site Id:	20069
Affiliation Type:	Mail Contact
Company Name:	NYC DEPT. OF SANITATION
Contact Type:	Not reported
Contact Name:	A/C G. CARANNANTE
Address1:	125 WORTH STREET
Address2:	ROOM 823B
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 885-4856
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/28/2012

Site Id:	20069
Affiliation Type:	On-Site Operator
Company Name:	DSNY MANHATTAN DISTRICT 1 GARAGE
Contact Type:	Not reported
Contact Name:	GARAGE SUPERVISOR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 431-1955
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/28/2010

Site Id:	20069
Affiliation Type:	Emergency Contact
Company Name:	NYC DEPARTMENT OF SANITATION
Contact Type:	Not reported
Contact Name:	BUREAU OF CLEANING AND COLLECTION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 885-5051
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/28/2012

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Tank Info:

Site ID:	20069
Tank Number:	001
Tank ID:	36304
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
C02 - Pipe Location - Underground/On-ground
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None

Install Date:	12/01/1982
Capacity Gallons:	4000
Tightness Test Method:	01
Next Test Date:	Not reported
Date Tank Closed:	10/05/2005
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	06/01/1994
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/28/2012
Site ID:	20069
Tank Number:	004
Tank ID:	36307
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C02 - Pipe Location - Underground/On-ground

Install Date:	12/01/1982
Capacity Gallons:	500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	10/05/2005

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/28/2012
Site ID:	20069
Tank Number:	005
Tank ID:	36308
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None

Install Date:	12/01/1982
Capacity Gallons:	500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	10/05/2005
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	09/19/2008
Site ID:	20069
Tank Number:	006
Tank ID:	36309
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

	I04 - Overfill - Product Level Gauge (A/G)
Install Date:	12/01/1982
Capacity Gallons:	500
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	10/05/2005
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	09/19/2008
Site ID:	20069
Tank Number:	007
Tank ID:	36310
Tank Status:	Closed - In Place
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
C02 - Pipe Location - Underground/On-ground

Install Date:	12/01/1982
Capacity Gallons:	2000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	04/01/2003
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	20069
Tank Number:	008
Tank ID:	173892
Tank Status:	In Service
Tank Type:	0
Pipe Model:	Not reported

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
B09 - Tank External Protection - Urethane
C03 - Pipe Location - Aboveground/Underground Combination
I03 - Overfill - Automatic Shut-Off

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other

Install Date:	04/01/2003
Capacity Gallons:	2000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	0
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/28/2012
Site ID:	20069
Tank Number:	008-A
Tank ID:	173894
Tank Status:	Closed - In Place
Tank Type:	Z
Pipe Model:	Not reported

Equipment Records:

H00 - Tank Leak Detection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
A00 - Tank Internal Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
I00 - Overfill - None

Install Date:	Not reported
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	12/01/2000
Tank Location:	5
Tank Type:	Z
Date Test:	Not reported
Registered:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Site ID:	20069
Tank Number:	009
Tank ID:	214471
Tank Status:	In Service
Tank Type:	Equivalent technology
Pipe Model:	D

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
I03 - Overfill - Automatic Shut-Off
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
E04 - Piping Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other
B04 - Tank External Protection - Fiberglass

Install Date:	05/01/2006
Capacity Gallons:	2000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/28/2012
Site ID:	20069
Tank Number:	010
Tank ID:	214472
Tank Status:	In Service
Tank Type:	Equivalent technology
Pipe Model:	D

Equipment Records:

I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass

Install Date:	05/01/2006
Capacity Gallons:	2000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/28/2012
Site ID:	20069
Tank Number:	011
Tank ID:	214474
Tank Status:	In Service
Tank Type:	Equivalent technology
Pipe Model:	D

Equipment Records:

I03 - Overfill - Automatic Shut-Off
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass

Install Date:	08/01/2006
Capacity Gallons:	2000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/28/2012
Site ID:	20069
Tank Number:	012
Tank ID:	214477
Tank Status:	In Service
Tank Type:	Equivalent technology
Pipe Model:	D

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

I03 - Overfill - Automatic Shut-Off
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass

Install Date:	08/01/2006
Capacity Gallons:	2000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Equivalent technology
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/28/2012
Site ID:	20069
Tank Number:	1
Tank ID:	36306
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K00 - Spill Prevention - None
C02 - Pipe Location - Underground/On-ground

Install Date:	12/01/1982
Capacity Gallons:	4000
Tightness Test Method:	01
Next Test Date:	Not reported
Date Tank Closed:	07/17/2006
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	06/01/1994
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	09/19/2008
Site ID:	20069
Tank Number:	2
Tank ID:	36305
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction
K00 - Spill Prevention - None
G00 - Tank Secondary Containment - None
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
C02 - Pipe Location - Underground/On-ground

Install Date:	12/01/1982
Capacity Gallons:	4000
Tightness Test Method:	01
Next Test Date:	Not reported
Date Tank Closed:	07/17/2006
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	06/01/1994
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	09/19/2008
Site ID:	20069
Tank Number:	5
Tank ID:	60331
Tank Status:	In Service
Tank Type:	Fiberglass coated steel
Pipe Model:	Not reported

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
C02 - Pipe Location - Underground/On-ground
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other
E04 - Piping Secondary Containment - Double-Walled (Underground)
G04 - Tank Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass

Install Date:	12/01/2000
Capacity Gallons:	550
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/28/2012
Site ID:	20069

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Tank Number:	6
Tank ID:	60332
Tank Status:	In Service
Tank Type:	Fiberglass coated steel
Pipe Model:	Not reported

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
E04 - Piping Secondary Containment - Double-Walled (Underground)
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other
G04 - Tank Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass

Install Date:	12/01/2000
Capacity Gallons:	2000
Tightness Test Method:	NN
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/28/2012
Site ID:	20069
Tank Number:	7
Tank ID:	60333
Tank Status:	In Service
Tank Type:	Fiberglass coated steel
Pipe Model:	Not reported

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction
L09 - Piping Leak Detection - Exempt Suction Piping
C03 - Pipe Location - Aboveground/Underground Combination
F04 - Pipe External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
G04 - Tank Secondary Containment - Double-Walled (Underground)
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
L99 - Piping Leak Detection - Other
E04 - Piping Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass

Install Date:	12/01/2000
Capacity Gallons:	2000
Tightness Test Method:	NN
Next Test Date:	Not reported

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Date Tank Closed:	Not reported
Tank Location:	5
Tank Type:	Fiberglass coated steel
Date Test:	Not reported
Registered:	True
Modified By:	NRLOMBAR
Last Modified:	11/28/2012

HIST UST:

PBS Number:	2-455830
SPDES Number:	Not reported
Emergency Contact:	BUREAU OF CLEANING &COLLECTION
Emergency Telephone:	(212) 788-4054
Operator:	NYC DEPT OF SANITATION, NY
Operator Telephone:	(212) 431-1955
Owner Name:	NYC DEPT OF SANITATION
Owner Address:	125 WORTH STREET - RM #823
Owner City,St,Zip:	NEW YORK, NY 10013
Owner Telephone:	(212) 788-4054
Owner Type:	Local Government
Owner Subtype:	The City of New York
Mailing Name:	NYC DEPT OF SANITATION
Mailing Address:	125 WORTH STREET
Mailing Address 2:	RM #823
Mailing City,St,Zip:	NEW YORK, NY 10013
Mailing Contact:	CHIEF OF FACILITIES F LEG
Mailing Telephone:	(212) 788-4077
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	297 WEST STREET
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	04/27/2001
Expiration Date:	12/06/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	18550
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2
Tank Id:	001

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Tank Location:	UNDERGROUND
Tank Status:	Temporarily Out Of Service
Install Date:	19821201
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	06/01/1994
Next Test Date:	06/01/1999
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Petro-Tite
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19821201
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	06/01/1994
Next Test Date:	06/01/1999
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Petro-Tite
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	19821201

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	06/01/1994
Next Test Date:	06/01/1999
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Petro-Tite
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19821201
Capacity (gals):	500
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	11/01/1999
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19821201
Capacity (gals):	500
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	12/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	19821201
Capacity (gals):	500
Product Stored:	KEROSENE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	12/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Temporarily Out Of Service
Install Date:	19821201
Capacity (gals):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	Painted/Asphalt Coating
Pipe Location:	Underground

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	Painted/Asphalt Coating
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	12/01/1992
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	008
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Not reported
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Major Data Missing (which is on the certificate)
Date Closed:	12/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	009
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	20001201
Capacity (gals):	550
Product Stored:	USED OIL
Tank Type:	Fiberglass coated steel
Tank Internal:	Not reported
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Fiberglass

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Second Containment:	Vault (w/access)
Leak Detection:	14
Overfill Prot:	High Level Alarm, Automatic Shut-Off
Dispenser:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	010
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	20001201
Capacity (gals):	2000
Product Stored:	UNKNOWN
Tank Type:	Fiberglass coated steel
Tank Internal:	Not reported
Tank External:	Fiberglass
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	14
Second Containment:	Vault (w/access)
Leak Detection:	14
Overfill Prot:	High Level Alarm
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	12/01/2015
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	011
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	20001201
Capacity (gals):	2000
Product Stored:	UNKNOWN
Tank Type:	Fiberglass coated steel
Tank Internal:	Not reported
Tank External:	Fiberglass
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	14
Second Containment:	Vault (w/access)
Leak Detection:	14
Overfill Prot:	High Level Alarm

DSNY MANHATTAN DISTRICT 1 GARAGE (Continued) **U001840257**

Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	12/01/2015
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

AG231 **31-45 DOWNING STREET** **NY LTANKS** **S104275519**
East **31-45 DOWNING STREET** **NY HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.337 mi.
1781 ft. **Site 2 of 4 in cluster AG**

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	249028
Spill No:	8804015
Spill Date:	8/6/1988
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/2/1992
Facility Addr2:	Not reported
Cleanup Ceased:	10/2/1992
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	BATTISTA
Referred To:	Not reported
Reported to Dept:	8/6/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/22/1988
Spill Record Last Update:	5/12/1994
Spiller Name:	Not reported
Spiller Company:	MUNZEMAIER BAKERY
Spiller Address:	166-03 24TH RD
Spiller City,St,Zip:	FLUSHING, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	204202
DEC Memo:	Not reported
Remarks:	5K TANK FAILED WITH A LEAK RATE OF -0.321GPH, WILL EXCAVATE, ISOLATE AND RETEST.

Material:

Site ID:	249028

31-45 DOWNING STREET (Continued) **S104275519**

Operable Unit ID:	921177
Operable Unit:	01
Material ID:	459538
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	249028
Spill Tank Test:	1534413
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

HIST LTANKS:

Region of Spill:	2
Spill Number:	8804015
Spill Date:	08/06/1988
Spill Time:	13:00
Spill Cause:	Tank Test Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/02/92
Cleanup Ceased:	10/02/92
Cleanup Meets Standard:	False
Investigator:	BATTISTA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	08/06/88
Reported to Department Time:	13:05
SWIS:	63
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	MUNZEMAIER BAKERY

31-45 DOWNING STREET (Continued) **S104275519**

Spiller Address: 166-03 24TH RD
Spiller City,St,Zip: FLUSHING, NY
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: 2-213918
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/22/88
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 05/12/94
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: / / : 31 2 0 9 4 3 12/872 2-060887 0014100/00+ P 31 2 0 9 4 3 12/872 2-060895 0011100/00+ P 31 2 0 9 4 3 N.T.R2 2.
Spill Cause: 5K TANK FAILED WITH A LEAK RATE OF -0.321GPH, WILL EXCAVATE, ISOLATE AND RETEST.

AI232 **MOBIL S/S** **NY HIST LTANKS** **S100782294**
South **290 WEST ST.** **N/A**
1/4-1/2 **NEW YORK, NY**
0.338 mi.
1786 ft. **Site 5 of 6 in cluster AI**

Relative:
Lower

Actual:
4 ft.

HIST LTANKS:
Region of Spill: 2
Spill Number: 9311565
Spill Date: 12/28/1993
Spill Time: 10:30
Spill Cause: Tank Test Failure
Resource Affectd: On Land

MOBIL S/S (Continued) **S100782294**

Water Affected:	Not reported
Spill Source:	Gas Station
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/29/95
Cleanup Ceased:	03/29/95
Cleanup Meets Standard:	False
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/28/93
Reported to Department Time:	10:57
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	EXXONMOBIL CORP
Spiller Address:	464 DOUGHTY BLVD.
Spiller City,St,Zip:	INWOOD, NY 11096-
Spiller Cleanup Date:	/ /
Facility Contact:	MIKE MEOLA
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	DEC
PBS Number:	2-157996
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	12/28/93
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	11/27/00
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	0
Test Method:	Not reported
Leak Rate Failed Tank:	0.00
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	10
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0

MOBIL S/S (Continued) **S100782294**

Unkonwn Quantity Recovered: True
Material: WASTE OIL
Class Type: WASTE OIL
Times Material Entry In File: 9509
CAS Number: Not reported
Last Date: 19940927
DEC Remarks: 03/29/95: SEE SPILLNUMBER 9208728. Reassigned from DEC O Dowd to Sigona on 11/27/2000.
Spill Cause: OIL FLOATING ON WATER IN PIT AROUND HYD. LIFT.

AI233
South
1/4-1/2
0.338 mi.
1786 ft.

Relative:
Lower

Actual:
4 ft.

MOBIL S/S **NY HIST LTANKS** **S103560707**
290 WEST STREET **NY Hist Spills** **N/A**
NEW YORK, NY

Site 6 of 6 in cluster AI

HIST LTANKS:
Region of Spill: 2
Spill Number: 9208728
Spill Date: 10/28/1992
Spill Time: 17:00
Spill Cause: Tank Test Failure
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Gas Station
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 10/28/92
Reported to Department Time: 17:15
SWIS: 62
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: EXXONMOBIL CORP
Spiller Address: 464 DOUGHTY BLVD.
Spiller City,St,Zip: INWOOD, NY 11096-
Spiller Cleanup Date: / /
Facility Contact: MIKE MEOLA
Facility Phone: Not reported
Facility Extention: Not reported
Spill Notifier: Tank Tester
PBS Number: 2-157996
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /

MOBIL S/S (Continued) **S103560707**

UST Involvement: True
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 10/30/92
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 10/30/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 0
Test Method: Not reported
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: REASSIGNED FROM O Dowd to Sigona on 10/30/00
Spill Cause: DBL-WALL TANK-MONITORING WELLS ON SITE-NO SHEEN EIP-ASAP

NY Hist Spills:
Region of Spill: 2
Spill Number: 9503897
Investigator: SIGONA
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Spill Date/Time: 06/28/1995 15:00
Reported to Dept Date/Time: 06/29/95 15:15
SWIS: 62
Spiller Name: EXXONMOBIL OIL CORP
Spiller Contact: MIKE MEOLA
Spiller Phone: Not reported
Spiller Address: 464 DOUGHTY BLVD.
Spiller City,St,Zip: INWOOD, NY 11096-
Spill Cause: Housekeeping
Reported to Dept: Groundwater
Water Affected: Not reported
Spill Source: 05
Spill Notifier: Other
PBS Number: 2-157996
Cleanup Ceased: / /
Cleanup Meets Std: False

MOBIL S/S (Continued) **S103560707**

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 06/30/95
Corrective Action Plan Submitted: / /
Date Region Sent Summary to Central Office: / /
Date Spill Entered In Computer Data File: 08/01/95
Date Spill Entered In Computer Data File: Not reported
Update Date: 10/30/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: DEC Sigona spoke with Mobil who was working with Kerri-Ann O Dowd on this investigation.
Remark: CALLER FOUND SEVERAL IN GROUND TANKS WITH HOLES IN THEM - REFER TO SPILL 9503810 - DEC SIGONA RESPONDED - SPILL FROM YESTERDAY

AG234 **NEW YORK CITY ANTHRAX SITES** **CERCLIS** **1009526291**
East **31 DOWNING STREET/2 PRINCE STREET** **NYN000205899**
1/4-1/2 **NEW YORK, NY 10014**
0.338 mi.
1787 ft. **Site 3 of 4 in cluster AG**

Relative:
Higher

Actual:
18 ft.

CERCLIS:
Site ID: 0205899
EPA ID: NYN000205899
Facility County: Not reported
Short Name: NEW YORK CITY ANTHRAX SIT
Congressional District: Not reported
IFMS ID: 02TQ
SMSA Number: Not reported
USGC Hydro Unit: Not reported
Federal Facility: Not a Federal Facility
DMNSN Number: 0.00000
Site Orphan Flag: Not reported

NEW YORK CITY ANTHRAX SITES (Continued) **1009526291**

RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	R
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	02
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date:	07/23/10
Site Fips Code:	Not reported
CC Concurrence Date:	Not reported
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Alias Name(s):

Alias ID:	101
Alias Name:	PRINCE STREET ANTHRAX SITE
Alias Address:	2 PRINCE STREET BROOKLYN, NY 11210
Alias ID:	102
Alias Name:	DOWNING STREET ANTHRAX SITE
Alias Address:	31 DOWNING STREET NEW YORK, NY 10014
Alias ID:	101
Alias ID:	102
Alias Comments:	Not reported

Site Description: Not reported

CERCLIS Assessment History:

Action Code:	001
Action:	NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started:	02/22/06
Date Completed:	04/09/06
Priority Level:	Search Complete, Viable PRPs
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started:	02/27/06
Date Completed:	04/09/06
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Responsible Party

NEW YORK CITY ANTHRAX SITES (Continued) **1009526291**

Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMOVAL
Date Started:	02/26/06
Date Completed:	04/13/06
Priority Level:	Cleaned up
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Emergency
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started:	Not reported
Date Completed:	09/30/08
Priority Level:	Search Complete, No Viable PRPs
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Phased Completion

For detailed financial records, contact EDR for a Site Report.:

Click this hyperlink while viewing on your computer to access
26 additional US CERCLIS Financial: record(s) in the EDR Site Report.

235
ESE
1/4-1/2
0.345 mi.
1823 ft.

APARTMENT BUILDING
6 BEDFORD ST
MANHATTAN, NY

NY LTANKS **S102662915**
NY HIST LTANKS **N/A**

Relative:
Higher

Actual:
19 ft.

LTANKS:

Site ID:	60303
Spill No:	9700593
Spill Date:	4/14/1997
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	4/14/1997
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	4/14/1997

APARTMENT BUILDING (Continued) **S102662915**

CID:	365
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/14/1997
Spill Record Last Update:	4/15/1997
Spiller Name:	ROBERT CABASSA
Spiller Company:	M & B TRUCKING
Spiller Address:	320 COSTER ST
Spiller City,St,Zip:	BRONX, NY 10474-
Spiller County:	001
Spiller Contact:	SUPERINTENDENT - ANTHONY
Spiller Phone:	(212) 989-0821
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	58888
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	TANK OVERFILL BY DRIVER ONTO SIDEWALK - USED RAGS & SPEEDIDRY FOR CLEAN UP

Material:

Site ID:	60303
Operable Unit ID:	1043328
Operable Unit:	01
Material ID:	337186
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	5
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9700593
Spill Date:	04/14/1997

APARTMENT BUILDING (Continued) **S102662915**

Spill Time:	09:30
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	04/14/97
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	MARTINKAT
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	04/14/97
Reported to Department Time:	09:53
SWIS:	62
Spiller Contact:	SUPERINTENDENT - ANTHONY
Spiller Phone:	(212) 989-0821
Spiller Extention:	Not reported
Spiller Name:	M & B TRUCKING
Spiller Address:	320 COSTER ST
Spiller City,St,Zip:	BRONX, NY 10474-
Spiller Cleanup Date:	/ /
Facility Contact:	ROBERT CABASSA
Facility Phone:	(718) 328-3275
Facility Extention:	Not reported
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	04/14/97
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	04/15/97
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	5

APARTMENT BUILDING (Continued) **S102662915**

Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 5
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: TANK OVERFILL BY DRIVER ONTO SIDEWALK - USED RAGS SPEEDIDRY FOR CLEAN UP

236
SE
1/4-1/2
0.351 mi.
1853 ft.

LITTLE RED SCHOOL HOUSE
40 CHARLTON STREET
MANHATTAN, NY

NY LTANKS **S105997589**
N/A

Relative:
Higher

Actual:
21 ft.

LTANKS:
Site ID: 322090
Spill No: 0209395
Spill Date: 12/12/2002
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 7/24/2003
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: JBVOUGHT
Referred To: Not reported
Reported to Dept: 12/12/2002
CID: 266
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 12/12/2002
Spill Record Last Update: 7/24/2003
Spiller Name: MICHELLE
Spiller Company: LITTLE RED SCHOOL HOUSE
Spiller Address: 40 CHARLTON STREET
Spiller City,St,Zip: NEW YORK, NY 10014-
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 259469
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"5/1/2003-Vought-Spoke with William Conroy (631-423-1240) who is consultant for property. NFA request has been prepared for 0209395 and 0209396 and reports will be sent to NYSDEC. Conroy requesting NFA letter sent to him.7/24/2003-Vought-Received report from Conroy

LITTLE RED SCHOOL HOUSE (Continued) **S105997589**

Environmental Consultants. Tank is a 1500-gallon AST in basement encased in concrete vault. Tightness test indicated leak was in a dry portion of the tank. Petroleum Tank Cleaners was hired and pumped fuel from tank, cleaned tank interior, removed and resealed manhole cover, repaired broken vent line and petrometer connection. Tank passed tightness test once repairs were completed (tightness test results sent to NYSDEC). Spill closed by Vought.

Remarks: TANK IS AN ABOVE GROUND TANK. TO BE EVALUATED AND RETESTED.

Material:

Site ID:	322090
Operable Unit ID:	862511
Operable Unit:	01
Material ID:	516370
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	322090
Spill Tank Test:	1527823
Tank Number:	1
Tank Size:	1500
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

AH237 **259 BLEECKER ST** **NY LTANKS** **S102671325**
ENE **259 BLEECKER ST** **NY HIST LTANKS** **N/A**
1/4-1/2 **NYC, NY**
0.362 mi.
1913 ft. **Site 2 of 2 in cluster AH**

Relative:
Higher

Actual:
19 ft.

LTANKS:

Site ID:	92720
Spill No:	8806990
Spill Date:	11/22/1988
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	Not reported
Spill Closed Dt:	11/29/1988
Facility Addr2:	Not reported
Cleanup Ceased:	11/29/1988
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	SULLIVAN
Referred To:	Not reported

259 BLEECKER ST (Continued) **S102671325**

Reported to Dept:	11/22/1988
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Federal Government
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/28/1988
Spill Record Last Update:	4/7/1989
Spiller Name:	Not reported
Spiller Company:	SOHO OIL CO
Spiller Address:	UNK
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	280984
DEC Memo:	Not reported
Remarks:	SOHO SPILLED PROD. DURING DELIVERY. ABSORB. MAT. PLACED. EVERYTHING WAS WASHED INTO SEWER.

Material:

Site ID:	92720
Operable Unit ID:	923718
Operable Unit:	01
Material ID:	455339
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	8806990
Spill Date:	11/22/1988

259 BLEECKER ST (Continued) **S102671325**

Spill Time:	07:30
Spill Cause:	Tank Overfill
Resource Affectd:	In Sewer
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Class:	Not reported
Spill Closed Dt:	11/29/88
Cleanup Ceased:	11/29/88
Cleanup Meets Standard:	True
Investigator:	SULLIVAN
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	11/22/88
Reported to Department Time:	09:00
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	SOHO OIL CO
Spiller Address:	UNK
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Federal Government
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	11/28/88
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	04/07/89
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	-1
Unkonwn Quantity Spilled:	False

259 BLEECKER ST (Continued) **S102671325**

Units: Not reported
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: SOHO SPILLED PROD. DURING DELIVERY. ABSORB. MAT. PLACED. EVERYTHING WAS WASHED INTO SEWER.

AG238
East
1/4-1/2
0.369 mi.
1948 ft.

APARTMENT COMPLEX
26 CARMINE ST
MANHATTAN, NY

NY LTANKS **S105997638**
N/A

Site 4 of 4 in cluster AG

Relative:
Higher

Actual:
18 ft.

LTANKS:
Site ID: 243998
Spill No: 0209533
Spill Date: 12/16/2002
Spill Cause: Tank Test Failure
Spill Source: Private Dwelling
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/12/2003
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: JXZHAO
Referred To: Not reported
Reported to Dept: 12/16/2002
CID: 398
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 12/16/2002
Spill Record Last Update: 11/12/2003
Spiller Name: Not reported
Spiller Company: APARTMENT COMPLEX
Spiller Address: Not reported
Spiller City,St,Zip: ZZ -
Spiller County: 001
Spiller Contact: ANTONIO
Spiller Phone: (212) 828-4534
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 200402
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHAO"CALLED ANTONIO, BUILDING SUPER, AT 9.44 AM,ON 12/17/02 WHO CONFIRMED THAT NO OIL SPILL AS RESULT OF TANK FAILURE. PAGER (888) 389-3271.11/12/2003-Vought-Closure Report-Petroleum Tank Cleaners received 6/16/2003 Mark Salamack 718-624-4842. "There had been a 3000

APARTMENT COMPLEX (Continued) **S105997638**

gallon and a 1080 gallon fuel oil tank at subject location. Both tanks were above ground tanks. In response to complaints of oil osors these tanks were tested and neither one passed. Each was removed and soil samples were obtained from under each tank". Analyticals show one TAGM 4046 exceedance (1,3,5-trimethylbenzene at 4180ppb). Spill closed by Vought and approved by Zhao.

Remarks: ABOVE GROUND TANK. TANK SIZE MAYBE BIGGER THEN 1080. NO CALL BACK REQUESTED. REPAIRS AND RETEST.

Material:

Site ID:	243998
Operable Unit ID:	862609
Operable Unit:	01
Material ID:	512954
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	243998
Spill Tank Test:	1527840
Tank Number:	1
Tank Size:	1080
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

AJ239 **WEST & WATTS DEVELOPMENT** **NY BROWNFIELDS** **S111455783**
South **281 WEST STREET AND 456 WASHINGTON STREET** **N/A**
1/4-1/2 **NEW YORK, NY 10013**
0.390 mi.
2057 ft. **Site 1 of 2 in cluster AJ**

Relative:
Lower

Actual:
3 ft.

BROWNFIELDS:

Program:	BCP
Site Code:	459779
Site Description:	The Site is located on the New York City block bordered by Canal Street to the north, Washington Street to the east, Watts Street to the south, and West Street (the West Side Highway) to the west. The Site encompasses an approximate area of 25,800 square feet (0.592 acres). Lot 1 (the western parcel) is occupied by an approximate 13,320 square-foot (0.305 acres) asphalt-paved parking lot. Lot 22 (eastern parcel) is occupied by interconnected one- and high two-story buildings and occupies an area of 12,480 square feet (0.287 acres). The buildings are currently vacant.In October 2010, the City Council adopted the North Tribeca Rezoning, which is intended to continue the neighborhodds's transformation from industrial uses to

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

"family-friendly" residential uses. Currently, adjacent properties consist of residential to the north and south, mixed commercial and residential to the east; Landmarks include the Hudson River and West Side Highway to the west and Holland tunnel to the northwest.Lots 1 and 22 were developed with two to five-story buildings in 1894 with unclear use. In 1905, a warehouse was built on the northern two-thirds of lot 22 and used to store steel through 1925. In 1922 lot 1 was developed into a building with use labeled as Tower Stores Inc. Lot 1 was then used as a gasoline filling station from 1950 through 1968. Subsequently, it has been used as a parking lot. From 1928 to 2005, lot 22 was used as a railroad freight station/freight warehouse. Currently, the buildings located at lot 22 are vacant.Subsurface strata consists of fill extending to depths ranging from 23 to 25 feet below ground surface (bgs), underlain by clay atop silty sand and bedrock. Depth to groundwater ranges from 5.90 to 13.72 ft-bgs. The groundwater elevation is highest in the northwest and slopes toward the southeast.

Env Problem: Information submitted with the BCP application regarding the environmental condition at the site are currently under review and will be revised as additional information becomes available.

Health Problem: Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

AJ240 **HUDSON RIVER PARK** **NY LTANKS** **S108639502**
South **WEST ST/ WATT ST** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.391 mi.
2063 ft. **Site 2 of 2 in cluster AJ**

Relative:
Lower

Actual:
2 ft.

LTANKS:

Site ID:	380744
Spill No:	0701262
Spill Date:	4/30/2007
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	8/1/2007
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	rmpiper
Referred To:	Not reported
Reported to Dept:	4/30/2007
CID:	408
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/30/2007
Spill Record Last Update:	8/1/2007
Spiller Name:	MARC BODDEWYN
Spiller Company:	HUDSON RIVER PARK
Spiller Address:	WEST ST/ WATT ST

HUDSON RIVER PARK (Continued) **S108639502**

Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	001
Spiller Contact:	AXEL SCHWENDT
Spiller Phone:	(646) 388-3529
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	330168
DEC Memo:	Sangesland spoke with Marcus Simmons with AKRF.Tank was uncovered and pulled. Contaminated soil was found.CSL letter was sent to:Marc BoddewynHudson River Park TrustPier 40 @ West Houston St - 2nd FrlNew York, NY 100147/26/07 Left message w. Axel requesting callback.8/1/07- DEC Piper recieved report from AKRF. During installation of sewer, a 8k ust was discovered. The tank was removed along with 82 tons of soil. Endpoints revealed SVOC over TAGM. GW samples were collected which indicated slightly elevated levels of VOC's. The GW discharges to the hudson and is 15yds waway. Based on information and remediation to date, this spill is closed. See report on e-docs if warranted.
Remarks:	HAS BEEN CONTAINED AND TANK WILL BE REMOVED ON WED.;

Material:

Site ID:	380744
Operable Unit ID:	1138222
Operable Unit:	01
Material ID:	2128201
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

241 SSE 1/4-1/2 0.391 mi. 2067 ft. | **ALISON ON DOMINICK ST**
38 DOMINICK ST
MANHATTAN, NY | **NY LTANKS** | **S102555949**
NY HIST LTANKS | **N/A**

Relative: Higher

Actual: 18 ft.

LTANKS:

Site ID:	228963
Spill No:	9612894
Spill Date:	1/30/1997
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	1/6/2000
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	1/30/1997
CID:	369
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/30/1997
Spill Record Last Update:	1/6/2000
Spiller Name:	FRANK DOBBS
Spiller Company:	FRANK DOBBS BLDG OWNER
Spiller Address:	38 DOMINICK ST
Spiller City,St,Zip:	MANHATTAN, NY 10013-
Spiller County:	001
Spiller Contact:	BRUCE LEVINSON
Spiller Phone:	(212) 727-1188
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	188774
DEC Memo:	Not reported
Remarks:	DOUBLE TANK RUPTURED AND OIL SMELL IS GOING THROUGH RESTAURANTAND HELP IS BECOMING PHYSICALLY ILL DUE TO SMELLVERY SIZABLE LEAK OIL IS POOLING IN THE SUBBASEMENT BACKING UP THROUGH THE WASTELINEOFFICE # (212)7509898

Material:

Site ID:	228963
Operable Unit ID:	1040640
Operable Unit:	01
Material ID:	341539
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No

ALISON ON DOMINICK ST (Continued) **S102555949**

Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

HIST LTANKS:
Region of Spill: 2
Spill Number: 9612894
Spill Date: 01/30/1997
Spill Time: 15:29
Spill Cause: Tank Failure
Resource Affectd: Groundwater
Water Affected: Not reported
Spill Source: Other Non Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/06/00
Cleanup Ceased: / /
Cleanup Meets Standard: False
Investigator: TOMASELLO
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 01/30/97
Reported to Department Time: 15:30
SWIS: 62
Spiller Contact: BRUCE LEVINSON
Spiller Phone: (212) 727-1188
Spiller Extention: Not reported
Spiller Name: FRANK DOBBS BLDG OWNER
Spiller Address: 38 DOMINICK ST
Spiller City,St,Zip: MANHATTAN, NY 10013-
Spiller Cleanup Date: / /
Facility Contact: FRANK DOBBS
Facility Phone: (212) 727-0816
Facility Extention: Not reported
Spill Notifier: Affected Persons
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended

ALISON ON DOMINICK ST (Continued) **S102555949**

Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/30/97
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 01/06/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: True
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: FAXED TO ECS. TANK IN THE BASEMENT FAILED. OIL WENT INTO OLD COAL CELLAR. cLEANED BY OWNER. nEW TANKS installed. closed 1/7/2000 by Tomasello
Spill Cause: DOUBLE TANK RUPTURED AND OIL SMELL IS GOING THROUGH RESTAURANT AND HELP IS BECOMING PHYSICALLY ILL DUE TO SMELL VERY SIZABLE LEAK OIL IS POOLING IN THE SUBBASEMENT BACKING UP THROUGH THE WASTELINE OFFICE 212)7509898

AK242 **LITTLE RED SCHOOL HOUSE** **NY LTANKS** **S105997591**
East **272 6TH AVENUE** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.393 mi.
2076 ft. **Site 1 of 2 in cluster AK**

Relative:
Higher

Actual:
20 ft.

LTANKS:
Site ID: 147642
Spill No: 0209396
Spill Date: 12/12/2002
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 6/30/2006
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: rmpiper
Referred To: Not reported
Reported to Dept: 12/12/2002

LITTLE RED SCHOOL HOUSE (Continued) **S105997591**

CID:	266
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/12/2002
Spill Record Last Update:	6/30/2006
Spiller Name:	MICHELLE
Spiller Company:	LITTLE RED SCHOOL HOUSE
Spiller Address:	272 6TH AVENUE
Spiller City,St,Zip:	NEW YORK, NY 10014-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	125688
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"7/24/2003-Vought-Conroy Environmental Consultants-631-423-1240 received NFA Request results dated April 30, 2003. Tank repair work included pumping existing fuel from tank, cleaning the tank interior and resealing tank manway. The tank ONLY passed the tightness test after repairs were made (tighness test results provided). Vent and fill line did not pass the test and as a result the fill line was immediately sealed an are scheduled to be replaced. FOr spill closure NYSDEC requires 1)Site Plan 2)borings or endpoints to investigate possiblity of fill pipe impact to subsurface.1/7/04-Vought-Spill transferred from Vought to Austin.01/27/04 - Sawyer - Spill transferred from Austin to Sawyer.11/28/05- DEC Piper sent out another ttf letter in regards to fill and vent line failure to Michele Dekonkoly Thege at 272 6th Ave, NY, NY. Daphne no longer w/ little red school house.12/28/05- DEC Piper has spoke w/ Steve Russo, rep for Little Red School house. regarding borings. He will look into it.5/5/06- DEC Piper has left message w/ Steve Russo, rep for Little Red School house. regarding borings, requesting callback and info.5/11/06- DEC Piper spoke w. Steve. A visit is scheduled for 5/15 at 3:30pm.5/15/06- DEC Piper responded to site to determine additional work. The 2 x 2 vault to the manway of an UST contained contaminated soil. Once opened the vault eminated vapors. Trap door was sealed with duct tape to prevent vapors intruding into basement classrooms. There is no such evidence that any soil was removed when the fill line was replaced (manifests, analytical , not mentioned in report. DEC instructed LRSH to remediate top of tank and perform borings along fill line. CSL letter sent.6/6/06- DEC Piper left maessage for John at langan requesting callback. Returning his call.6/30/06- DEC Piper met w/ John Garvis of Langan and Hydrotech technicians. Contaminated Soil was excavated around manway with a shop vac approx, five gallons. Soil was clean under surface oil staining. Top of tank exposed w/ no indication of overfill to subsurface. Some concrete existed. Hydro tech to epoxy seal manway (2 coats) and concrete around manway. Fill and vent were replaced. No oil staining observed on old fill line entering basement. Closed. See e-docs if warranted.
Remarks:	TANK TO BE INSPECTED AND RETESTED.

LITTLE RED SCHOOL HOUSE (Continued) **S105997591**

Material:

Site ID:	147642
Operable Unit ID:	862512
Operable Unit:	01
Material ID:	516371
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	147642
Spill Tank Test:	1527824
Tank Number:	1
Tank Size:	2000
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

AK243 **LITTLE RED SCHOOL HOUSE** **NY LTANKS** **S108765810**
East **272 6TH AVE** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.408 mi.
2153 ft. **Site 2 of 2 in cluster AK**

Relative:
Higher

Actual:
20 ft.

LTANKS:

Site ID:	387510
Spill No:	0706903
Spill Date:	9/21/2007
Spill Cause:	Tank Test Failure
Spill Source:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	5/29/2008
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	RMPIPER
Referred To:	Not reported
Reported to Dept:	9/21/2007
CID:	404
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0

LITTLE RED SCHOOL HOUSE (Continued) **S108765810**

Date Entered In Computer:	9/21/2007
Spill Record Last Update:	5/29/2008
Spiller Name:	MARLON JOSEPH
Spiller Company:	PETROLIUM TANK CLEANERS
Spiller Address:	236 BUTLER ST
Spiller City,St,Zip:	BROOKLYN, NY 11217
Spiller County:	001
Spiller Contact:	MARLON JOSEPH
Spiller Phone:	(718) 624-4842
Spiller Extention:	112
DEC Region:	2
DER Facility ID:	336940
DEC Memo:	9/25/07 bf: Called Michel de Konkoly Thege 212-477-5316. Left message to return my call. Sent ttf letter to:Michel de KonkolyLittle Red School House40 Charlton St.New York, NY 100149/28/07 Received message from Mr. Thege on 9/25/07. They have apptointment with contractor to have tank emtied and find source of failure on 10/5/07. He left his number which is same as above. His extension is 319. bf11/16/07- Piper spoke w. Jason at Langan to perform borings through tank and undersidewalk. The will keep Dept in Loop. The school plans on converting to gas.3/15/08- DEC Piper met contractors onsite to complete remainder of tank cleaning and sampling. odors were not present in hallways untill adjacent to work area. The school will be closed for the week and sampling will be performed and then the tank will be slurried.5/29/08- DECPiper- I recieved and reviewed ust and spill closure report. Tank was cleaned and two enpoints were taken through tank bottom. No visible evidence of cont was discovered and laba analytical showed no exceedances. Tank was then slurried. Based on work to date, NFA granted. closed. See e-docs if warranted.
Remarks:	it was a dry portion leak;

Material:

Site ID:	387510
Operable Unit ID:	1144710
Operable Unit:	01
Material ID:	2135018
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	387510
Spill Tank Test:	1764127
Tank Number:	1
Tank Size:	2000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	9/21/2007

LITTLE RED SCHOOL HOUSE (Continued) **S108765810**

Test Method: Horner EZ Check I or II

AL244
South
1/4-1/2
0.413 mi.
2179 ft.

C TRUE BLDG CORP
465 GREENWICH ST
MANHATTAN, NY

NY LTANKS **S106702922**
NY HIST LTANKS **N/A**

Site 1 of 2 in cluster AL

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	128028
Spill No:	0100787
Spill Date:	4/20/2001
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	7/14/2003
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	4/20/2001
CID:	323
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/20/2001
Spill Record Last Update:	7/14/2003
Spiller Name:	EUGENE ANDREWS
Spiller Company:	C TRUE BLDG CORP
Spiller Address:	465 GREENWICH ST
Spiller City,St,Zip:	NEW YORK, ZZ
Spiller County:	001
Spiller Contact:	EUGENE ANDREWS
Spiller Phone:	(212) 529-5688
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	110484
DEC Memo:	Not reported
Remarks:	ABOVE GROUND TANK IN A VAULT. POSS BAD VENT LINE.

Material:

Site ID:	128028
Operable Unit ID:	837689
Operable Unit:	01
Material ID:	536498
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0

C TRUE BLDG CORP (Continued) **S106702922**

Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	128028
Spill Tank Test:	1526239
Tank Number:	1
Tank Size:	5000
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

HIST LTANKS:

Region of Spill:	2
Spill Number:	0100787
Spill Date:	04/20/2001
Spill Time:	12:30
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Other Non Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	04/20/01
Reported to Department Time:	13:55
SWIS:	62
Spiller Contact:	EUGENE ANDREWS
Spiller Phone:	(212) 529-5688
Spiller Extention:	Not reported
Spiller Name:	C TRUE BLDG CORP
Spiller Address:	465 GREENWICH ST
Spiller City,St,Zip:	MANHATTAN
Spiller Cleanup Date:	/ /
Facility Contact:	EUGENE ANDREWS
Facility Phone:	(212) 529-5688
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	2-602815

C TRUE BLDG CORP (Continued) **S106702922**

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 04/20/01
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 04/20/01
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: 1
Tank Size: 5000
Test Method: Horner EZ Check
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: ABOVE GROUND TANK IN A VAULT. POSS BAD VENT LINE.

245
ESE
1/4-1/2
0.416 mi.
2196 ft.

2 KING ST
MANHATTAN, NY

NY LTANKS **S105995445**
N/A

Relative:
Higher

Actual:
22 ft.

LTANKS:
Site ID: 236703
Spill No: 0112067
Spill Date: 3/22/2002
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 7/22/2002
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: SMSANGES
Referred To: Not reported
Reported to Dept: 3/22/2002
CID: 199

(Continued) **S105995445**

Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/22/2002
Spill Record Last Update:	7/22/2002
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	NICK MARINOV
Spiller Phone:	(212) 661-1150
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	194999
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND/VOUGHT"7/22/2002-VOUGHT-Spoke with Dave Fazin on 6/13: PTC replaced lines 8 years ago. Tank was cut open and old suction/return lines were not plugged causing tank failure. Lines were plugged and tank passed test (passing test results and invoice by PTC provided to NYSDEC). Spill closed by Vought.
Remarks:	tank top will be excavated and tank only test will be done

Material:

Site ID:	236703
Operable Unit ID:	849004
Operable Unit:	01
Material ID:	526081
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	236703
Spill Tank Test:	1526959
Tank Number:	1
Tank Size:	6000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

AM246 **SPRING AMERICA** **NY LTANKS** **S102672767**
SE **161 6TH AVENUE** **NY HIST LTANKS** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.422 mi.
2226 ft. **Site 1 of 2 in cluster AM**

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	273478
Spill No:	9413221
Spill Date:	1/4/1995
Spill Cause:	Tank Overfill
Spill Source:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	1/4/1995
Facility Addr2:	Not reported
Cleanup Ceased:	1/4/1995
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	1/4/1995
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/17/1995
Spill Record Last Update:	2/18/2003
Spiller Name:	Not reported
Spiller Company:	WHALECO FUEL OIL CO
Spiller Address:	1 COFFEY STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	222487
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Remarks:	OVERFILLED TANK SPILLED ON SIDEWALK- DRIVER WAITING FOR A REP. FROM COMPANY TO WM AND CLEAN UP

Material:

Site ID:	273478
Operable Unit ID:	1006843
Operable Unit:	01
Material ID:	371967
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

SPRING AMERICA (Continued) **S102672767**

Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

HIST LTANKS:
Region of Spill: 2
Spill Number: 9413221
Spill Date: 01/04/1995
Spill Time: 13:15
Spill Cause: Tank Overfill
Resource Affectd: On Land
Water Affected: Not reported
Spill Source: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/04/95
Cleanup Ceased: 01/04/95
Cleanup Meets Standard: True
Investigator: KRIMGOLD
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 01/04/95
Reported to Department Time: 13:34
SWIS: 62
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: WHALECO FUEL OIL CO
Spiller Address: 1 COFFEY STREET
Spiller City,St,Zip: BROOKLYN, NEW YORK 11231
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: (718) 852-7000
Facility Extention: Not reported
Spill Notifier: Responsible Party
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /

SPRING AMERICA (Continued) **S102672767**

Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/17/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: / /
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 5
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #4 FUEL OIL
Class Type: #4 FUEL OIL
Times Material Entry In File: 1751
CAS Number: Not reported
Last Date: 19941205
DEC Remarks: Not reported
Spill Cause: OVERFILLED TANK SPILLED ON SIDEWALK- DRIVER WAITING FOR A REP. FROM COMPANY TO WM AND CLEAN UP

247
NE
1/4-1/2
0.437 mi.
2305 ft.

228 WEST 4TH STREET **NY LTANKS** **S102960159**
228 WEST 4TH STREET **NY HIST LTANKS** **N/A**
MANHATTAN, NY

Relative:
Higher

Actual:
23 ft.

LTANKS:
Site ID: 249361
Spill No: 9710849
Spill Date: 12/24/1997
Spill Cause: Tank Failure
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/14/2005
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: JEDURNIN
Referred To: Not reported
Reported to Dept: 12/24/1997
CID: 266
Water Affected: Not reported
Spill Notifier: Other

228 WEST 4TH STREET (Continued) **S102960159**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/24/1997
Spill Record Last Update:	11/21/2005
Spiller Name:	Not reported
Spiller Company:	PISTILLI REALTY GROUP
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	204475
DEC Memo:	Two months after the reported spill, on February 26, 1998, the owner, Joseph Pistilli, replaced the boiler and burner. Also, at this time, Mr. Pistilli installed two new above ground 275 gallon fuel oil tanks. On August 12, 1998, Mr. Pistilli installed an additional new 1000 gallon above-ground fuel storage tank. Based on this information, this spill is closed. John Durnin, November 14, 2005.
Remarks:	APARTMENT BUILDING. ONTO CONCRETE BASEMENT FLOOR. ABSORBANT APPLIED TO SPILL BY SERVICE MAN. LEAK TEMPORARILY PLUGGED WITH BAR SOAP. PETROLEUM TANK CLEANERS CONTACTED TO EVACUATE TANK.

Material:

Site ID:	249361
Operable Unit ID:	1053735
Operable Unit:	01
Material ID:	329121
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2

228 WEST 4TH STREET (Continued) **S102960159**

Spill Number:	9710849
Spill Date:	12/24/1997
Spill Time:	17:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	TOMASELLO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/24/97
Reported to Department Time:	17:50
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	PISTILLI REALTY GROUP
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	12/24/97
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	01/15/98
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

228 WEST 4TH STREET (Continued) **S102960159**

Material Class Type:	Petroleum
Quantity Spilled:	10
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#2 FUEL OIL
Class Type:	#2 FUEL OIL
Times Material Entry In File:	24464
CAS Number:	Not reported
Last Date:	19941207
DEC Remarks:	Not reported
Spill Cause:	APARTMENT BUILDING. ONTO CONCRETE BASEMENT FLOOR. ABSORBANT APPLIED TO SPILL BY SERVICE MAN. LEAK TEMPORARILY PLUGGED WITH BAR SOAP. PETROLEUM TANK CLEANERS CONTACTED TO EVACUATE TANK.

248
East
1/4-1/2
0.438 mi.
2310 ft.

FDR - 320 AVENUE "C"
320 AVENUE C
MANHATTAN, NY

NY HIST LTANKS **S101658348**
NY Spills **N/A**

Relative:
Higher

Actual:
19 ft.

HIST LTANKS:

Region of Spill:	2
Spill Number:	9502782
Spill Date:	05/30/1995
Spill Time:	14:00
Spill Cause:	Tank Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	TIBBE
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	06/05/95
Reported to Department Time:	14:20
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extention:	Not reported

FDR - 320 AVENUE "C" (Continued) **S101658348**

Spill Notifier: Other
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/13/95
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 08/16/95
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: -1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: ABANDONED TRUCK FOUND DURING CONSTRUCTION. APPROXIMATELY 50-100 YARDS CONTAMINATED SOIL - SOIL TANKS TO BE REMOVED - TALKED TO MARK TIBBE

SPILLS:
Facility ID: 9502782
DER Facility ID: 149879
Facility Type: ER
Site ID: 178468
DEC Region: 2
Spill Number: 9502782
Spill Date: 5/30/1995
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 3/20/2008
SWIS: 3101
Investigator: hrpatel
Referred To: Not reported
Reported to Dept: 6/5/1995
CID: Not reported
Water Affected: Not reported
Spill Source: Unknown

FDR - 320 AVENUE "C" (Continued) **S101658348**

Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	6/13/1995
Spill Record Last Update:	3/20/2008
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"4/12/04-Vought-Spill transferred from Tibbe to Rommel as per Rommel.Fall 2006 - several attempts were made to contact appropriate personnel at TAMS Consultants. DEC was not able to find someone who knew about the project. The spill was located on a city street so there is no property owner to follow up with. Previous note by SXDEWESSpill transferred back to Region 23/10/08 - Austin - Spill assigned to Patel for followup - end03/20/08-Hiralkumar Patel. insufficient information. case closed.
Remarks:	ABANDONED TRUCK FOUND DURING CONSTRUCTION. APPROXIMATELY 50-100 YARDS CONTAMINATED SOIL - SOIL & TANKS TO BE REMOVED - TALKED TO MARK TIBBE '

Material:

Site ID:	178468
Operable Unit ID:	1014004
Operable Unit:	01
Material ID:	367839
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

AL249 **FRATELLI BRANCA AND CO** **NY LTANKS** **S102673324**
South **115 WATT ST** **NY HIST LTANKS** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.443 mi.
2339 ft. **Site 2 of 2 in cluster AL**

Relative:
Higher

Actual:
12 ft.

LTANKS:

Site ID:	136842
Spill No:	9516292
Spill Date:	3/19/1996
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	3/19/1996
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	3/19/1996
CID:	349
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/19/1996
Spill Record Last Update:	4/2/1996
Spiller Name:	SAM SOLA
Spiller Company:	PETRO ASTORIA
Spiller Address:	36-16 19 AVE
Spiller City,St,Zip:	ASTORIA, NY 11105-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	(212) 925-7527
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	117087
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
Remarks:	DRIVER OVERFILLED TANK - CLEANED UP

Material:

Site ID:	136842
Operable Unit ID:	1027266
Operable Unit:	01
Material ID:	352818
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

FRATELLI BRANCA AND CO (Continued) **S102673324**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	9516292
Spill Date:	03/19/1996
Spill Time:	12:45
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	03/19/96
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	TANG
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	03/19/96
Reported to Department Time:	13:38
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	(212) 925-7527
Spiller Extention:	Not reported
Spiller Name:	PETRO ASTORIA
Spiller Address:	36-16 19 AVE
Spiller City,St,Zip:	ASTORIA, NY 11105-
Spiller Cleanup Date:	/ /
Facility Contact:	SAM SOLA
Facility Phone:	(718) 545-4500
Facility Extention:	Not reported
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False

FRATELLI BRANCA AND CO (Continued) **S102673324**

Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/19/96
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 04/02/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 1
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 1
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: Not reported
Spill Cause: DRIVER OVERFILLED TANK - CLEANED UP

AN250
North
1/4-1/2
0.457 mi.
2415 ft.

Relative:
Higher

Actual:
10 ft.

SUPERIOR PRINTING INK CO INC
70 BETHUNE STREET
NEW YORK CITY, NY 10014

Site 1 of 2 in cluster AN

RCRA NonGen / NLR **1000215465**
FINDS **NYT000603548**
NY LTANKS
NY UST
NY HIST UST
NY MANIFEST
NY Spills

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: SUPERIOR PRINTING INK CO INC
Facility address: 70 BETHUNE ST
NEW YORK, NY 10014
EPA ID: NYT000603548
Mailing address: BETHUNE ST
NEW YORK, NY 10014
Contact: Not reported
Contact address: BETHUNE ST
NEW YORK, NY 10014
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

Owner/Operator Summary:

Owner/operator name:	SUPERIOR PRINTING INK CO INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SUPERIOR PRINTING INK CO INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Facility name:	SUPERIOR PRINTING INK CO INC
Classification:	Not a generator, verified

Date form received by agency:	04/19/1995
Facility name:	SUPERIOR PRINTING INK CO INC
Classification:	Not a generator, verified

Date form received by agency:	07/21/1980
Facility name:	SUPERIOR PRINTING INK CO INC
Classification:	Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 09/26/1996

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110001135003

Environmental Interest/Information System

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

LTANKS:

Site ID: 292057
Spill No: 0312534
Spill Date: 2/10/2004
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 2/23/2004
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 2/11/2004
CID: 403
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2/11/2004
Spill Record Last Update: 1/31/2006
Spiller Name: Not reported
Spiller Company: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: ***Update***, ZZ
Spiller County: 001

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

Spiller Contact:	ROGER POLE
Spiller Phone:	(212) 741-3600
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	186169
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"Send TTF letterDuplicate spill- this number is closedRef to #0312310 - Cris Sawyer
Remarks:	tank test failed

Material:

Site ID:	292057
Operable Unit ID:	877786
Operable Unit:	01
Material ID:	555235
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	292057
Spill Tank Test:	1528969
Tank Number:	001
Tank Size:	7500
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

UST:

Facility Id:	2-042951
Region:	STATE
DEC Region:	2
Site Status:	Unregulated
Program Type:	PBS
Expiration Date:	N/A
UTM X:	583696.79319999996
UTM Y:	4510053.3761299998

Affiliation Records:

Site Id:	367
Affiliation Type:	Owner
Company Name:	SUPERIOR PRINTING INK CO INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	70 BETHUNE ST
Address2:	Not reported

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 741-3600
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	367
Affiliation Type:	Mail Contact
Company Name:	SUPERIOR PRINTING INK CO INC
Contact Type:	Not reported
Contact Name:	LISA DEROSA
Address1:	70 BETHUNE STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 741-3600
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	367
Affiliation Type:	On-Site Operator
Company Name:	SUPERIOR INK
Contact Type:	Not reported
Contact Name:	SUPERIOR PRINTING INK CO INC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 741-3600
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	nrlombar
Date Last Modified:	5/28/2004

Site Id:	367
Affiliation Type:	Emergency Contact
Company Name:	SUPERIOR PRINTING INK CO INC
Contact Type:	Not reported
Contact Name:	ROGER PAUL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

Country Code:	001
Phone:	(718) 346-5261
Phone Ext:	Not reported
Email:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Site ID:	367
Tank Number:	001
Tank ID:	1096
Tank Status:	Closed - Removed
Tank Type:	Steel/carbon steel
Pipe Model:	Not reported

Equipment Records:

J02 - Dispenser - Suction
D10 - Pipe Type - Copper
A00 - Tank Internal Protection - None
C02 - Pipe Location - Underground/On-ground
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
G00 - Tank Secondary Containment - None
L00 - Piping Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None

Install Date:	Not reported
Capacity Gallons:	7500
Tightness Test Method:	18
Next Test Date:	Not reported
Date Tank Closed:	05/27/2004
Tank Location:	5
Tank Type:	Steel/carbon steel
Date Test:	11/24/1999
Registered:	True
Modified By:	nrlombar
Last Modified:	05/28/2004

HIST UST:

PBS Number:	2-042951
SPDES Number:	Not reported
Emergency Contact:	ROGER PAUL
Emergency Telephone:	(718) 346-5261
Operator:	SUPERIOR PRINTING INK CO INC
Operator Telephone:	(212) 741-3600
Owner Name:	SUPERIOR PRINTING INK CO INC
Owner Address:	70 BETHUNE ST
Owner City,St,Zip:	NEW YORK, NY 10014
Owner Telephone:	(212) 741-3600
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	SUPERIOR PRINTING INK CO INC
Mailing Address:	70 BETHUNE STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10014

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

Mailing Contact:	LISA DEROSA
Mailing Telephone:	(212) 741-3600
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	70 BETHUNE ST
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	09/28/2001
Expiration Date:	12/02/2006
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	7500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	7500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Aboveground/Underground Combination
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	11/24/1999
Next Test Date:	11/24/2004
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Gilbarco Precision
Deleted:	False
Updated:	True
Lat/long:	Not reported

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

NY MANIFEST:

EPA ID:	NYD000603548
Country:	USA
Mailing Name:	SUPERIOR PRINTING INK
Mailing Contact:	SUPERIOR PRINTING INK
Mailing Address:	70 BETHUNE STREET
Mailing Address 2:	Not reported
Mailing City:	NEW YORK
Mailing State:	NY
Mailing Zip:	10014
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	212-741-3600

NY MANIFEST:

No Manifest Records Available

SPILLS:

Facility ID:	0312310
DER Facility ID:	186169
Facility Type:	ER
Site ID:	225522
DEC Region:	2
Spill Number:	0312310
Spill Date:	2/5/2004
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	10/12/2007
SWIS:	3101
Investigator:	kkchanda
Referred To:	Not reported
Reported to Dept:	2/5/2004
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/5/2004
Spill Record Last Update:	10/12/2007
Spiller Name:	ROBIN HEATH
Spiller Company:	SUPERIOR INKS
Spiller Address:	70 BETHUNE STREET
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	001
Contact Name:	ROBIN HEATH
Contact Phone:	(212) 741-3600
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"This spill number remains open.A second number (#0312534) was called in by the tank test company and this second number has been closed out.Spill Number 0312534 was a tank test failure. Site has

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

both a failed tank and contaminated soil. 3/22/2004 - A contractor spoke to Sawyer concerning the work to be done on the site.12/16/05- DEC Piper spoke w/ Robin Heath. He will have someone contact the dept regarding the site. 12/29/05- DEC Piper received call from Dick Brownell of Malcolm Pirnie (consultant) regarding site. As per conversation, there is a dual phase extraction sytem running periodically at the site. There is currently free phase product in two of the monitoring wells. A file exists. File should be transferred to Remediation Group.1/11/06- DEC Piper File transferred to Koon Tang. Remediation required.1/12/06 - assigned to Jon Kolleeny Group. - KST02/02/06: This spill transferred from J.Kolleeny to S.Kraszewski. Spoke with Richard Brownell from Malcolm Pirnie (914-641-2424). I inquired about the trench recovery system installed in September 1994 and any monitoring data available for the site and the wells. The trench system was installed as a dual-phase extraction system for several recovery wells located in the former tank area and the boiler room. The system operated from Nove 2004 to Nov 2005 when the motor broke down and had to be repaired. the motor is almost finished and the system will be operational soon. For the duration of the remediation process at this site, free product has been observed in the boiler room, Richard said. Bimonthly O+M reports have been keeping track of the system for some time since little free product was being recovered. I asked Richard to summarize the data from the O+M reports along with a site diagram with the trench system on it along with the MWs surrounding the perimeter of the site. Also, the site will be undergoing redevelopment which will involve the excvation and removal of the soil on-site. This would be considered source removal of contaminated soils. For now, the system will be started up when ready and run until the data suggests otherwise. I also mentioned that in the near future, GW samples will be required to assess the degree of contamination present in the GW. Richard said no GW samples have been taken in quite some time. - SK03/01/06: Richard Brownell from Malcom Pirnie returned my call to update me on site progress. The oil recovery system motor is fixed and ran for several days, extracting several gallons of oil. This oil had been collecting for 2.5 months while the system was under repair. When the system had been running in the past, oil was being extracted from two recovery wells, but now only one exhibits free product. This recovery well is located in the boiler room, near the former USTs.He will write up an update report for the site and send it out to me; due by 03/10/06. 03/10/06: Reviewed Summary of Oil Recovery System Results submitted by Malcolm Pirnie. Volume of oil recovered by the system over time shows a decline in product recovered. The system was shut down due to mechanical difficulties from November 17 2005 until February 24, 2006. No SVE data is given in the report. Product measurements seemed to be made randomly at different monitoring wells, few have current product thickness measurements. Some show one measurement with ND given and no follow-up measurements made. - SK03/15/06: SK spoke with Richard Brownell about the summary report. I told him that SVE air sampling and GW sampling is needed, since it is long overdue. The GW samples must be analyzed for VOCs and SVOCs while air samples can be taken with a PID at the influent and effluent ports of the system. Spoke to J.Kolleeny about the report. He said to ask about the Monitoring and Maintenance Plan for the system before writing up a response letter. - SK03/17/06: Spoke with Dick Brownell. I asked him if the recovery system had a Monitoring and Maintenance plan. He said he wasn't sure and probably didn't, but

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

he would check to make sure. I said if none is found then he should put together a plan to cover activities from this point on. I told him that I would Email him the Excel tables to use as a template. He said that sounds good. Also, he mentioned about the RAP and if I had a copy. The only copy I have is a draft RAP from Malcom and Pirnie. Dick said he will check if Langan Engineers had sent a copy to DEC. Malcom and Pirnie is currently working on scheduling a round of MW measurements and samplings for analysis. I sent out the Email with the Monitoring and Maintenance tables. - SK04/10/06: Dick Brownell called with news that they would be taking GW samples either Wednesday or Thursday this week. However, the SVE system is still out of service due to motor problems, so no influent or effluent air samples will be taken. Dick will let me know when exactly they will be collecting samples. - SK04/17/06: Dick Brownell from Malcom Pirnie called. The sampling will be rescheduled for the 26th. He mentioned that the monitoring well with free product, BB-12, may be widened with a four inch slotted PVC pipe in order to vacuum out oil and water. This may remove the remaining product that is left on-site. No other wells exhibit any product. I asked Dick to write me up a letter summarizing the scope of this work. He said I should have it by Thursday. - SK04/28/06: SK received a call from Malcom Pirnie, informing me that a letter requesting the installation of the MW where BB-12 is currently located. This work involves cutting a 4’ by 4’ section and excavating down to the water level and then removal of any free product encountered. If free product enters the pit consistently then a 4 inch slotted PVC will be advanced for continued product recovery. - SK 05/02/06: Sent out approval letter for additional oil recovery work. Also, the GW investigation results should be included in the oil recovery report. Spoke yesterday will Wyn Davies and gave him verbal approval and mentioned that four endpoint samples from the excavation would be needed. Work should begin by early next week, May 8-10. - SK06/19/06: Reviewed New Sump Pit Proposal from Malcolm Pirnie dated June 19, 2006. Spoke with Wyn Davies about the proposed Sump Pit #2. I asked for 4 grab samples from the pit instead of 2. MW data and soil grab samples analysis results were included. All four soil grab samples detected slight SVOC exceedances. Water samples from MW-5 detected slight VOC contamination above TOGS, but no BTEX above TOGS. Discussed the proposal with J.Kolleeny. Gave Wyn a verbal approval followed by an approval letter. - SK06/26/06: Dick Brownell (office:914-641-2424) from Malcolm Pirnie called. The additional sump pit has been installed, they seem to have found the pocket of oil and taken care of it, at least for now. Workers vacuumed out the pit to draw down the water. The recovery system is operational once again and Dick said they will have a report for me in July. BB-10, a monitoring point located next to the former tank location, has a 1/4" sheen. - SK07/07/06: Dick Brownell (cell:914-806-9934) from Malcolm Pirnie called to inform me that no free product remains in any of the recovery wells. The isolated product from the second sump pit has abated. Also, he has found out that this site is slated for redevelopment sometime later this year. I told him that it looks like we are on the verge of closure, but I would prefer to visit the site and discuss this with my supervisor. A site visit is scheduled for July 19 at 10AM. - SK07/19/06: Visited on-site with Dick Brownell from Malcolm Pirnie, Harold Rubin the RP and Dave Uteson the attorney for the developers interested in the site. We discussed the status of the recovery system.11/09/06: Reassigned to Stephen Kraszewski to

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

Chanda.(Chanda)12/26/06: Kartik Chanda of DEC reviewed enter file and called Dick Brownel (office:914-641-2424) to get the update information regarding this site and left message to call back.12/28/06: Chanda received a phone call from Mr.Dick Brownel(Malcolm Pirnie) he informed to DEC that his company is no longer with this site. This project have new consultant (Mr.Joe Landes ph:212-479-5400) assigned this site and the property has been transfered to new owner.01/02/07: Chanda called Mr. Joe Landes (New Consultant) to get update information regarding this site. Left massage to call back.01/02/07: Kartik Chanda of DEC sent a letter to the RP (Mr.Harold Rubin, requiring that a work report be submitted to DEC for review by 02/15/07.01/04/07: Chanda received a phone call from new consultant LANGAN ENGINEERING & ENVIRONMENTAL SERVICES,P.C (Mr. John Gavras , Ph. 212-479-5406). Chanda sent a copy of previous letter to Mr.John and discuss regarding the site update status.01/11/07: Chanda received an e-mail from John Gavras (Consultant).He gave the new owner's name and contact information:Bryan N. Cho, Vice PresidentBethune West Associates, LLCc/o The Related companies60 Columbus Circle,18th FloorNew York, NY 100232/15/07: Chanda received an additional sump pit excavation report prepared by Lagan Engineering and Environmantal Services dated on February 13, 2007.3/01/07: Chanda received a Remedial Action Plan from Attorny (David Yudelson), prepared by Langan Engineering and Environmental Services dated December 2006.3/22/07: Kartik Chanda has reviewed the RAP and approved on 3/21/07. Chanda sent approval letter to RP(Bryan N. Cho) and his attorney (David Yudelson) and consultant (John M. Gavras), requiring that the RAP be implemented by may 6, 2007, and the Department requires five days advanced notice of any remedial work of the site.9/6/07: On 8/28/07, Joe Sun (NYSDEC) visited the site and directed three post-remediation grab samples be collected from standing groundwater within the footprint of the proposed building. In addition, groundwater samples were collected from existing monitoring wells MW-5 and MW-6 located along West 12th Street.9/21/07: Chanda received an electronic copy of Request for spill closure letter with the remedial action activities for this spill case.9/24/07: Chanda received a hard copy of the remedial action activities report from Mr. David Yudelson (Sive, Paget & Riesel, P.C.).10/5/07: Chanda reviewed the remedial action activities report and has the followings comments:1. Excavation of petroleum-impacted soil in July to September, 2007. 2. This report indicates that post-remediation soil samples were collected bottom of the excavation. In total, 11 bottom soil samples and 7 sidewall soil samples were collected from the excavation. The level of contamination were below the TAGM RSCOs. Several SVOCs (Benzo(a)pyrene, 2-Methylnaphthalene) were detected in the four (4) end point samples and the level is not high.3. VOCs and SVOCs were not detected of the post-remediation groundwater samples collected on the site.4. The chlorinated VOC tetrachloroethene (PCE) was detected in the three (3) groundwater samples ranging from 12.9 ppb to 18 ppb. In addition the 2-dichloroethene (DEC)was detected at a concentration of 6.1 ppb.The proposed RAP indicated that In order to be protective of the health of the future residents, an appropriate vapor barrier (Grace Prepruf 300R) and passive sub-slab depressurization system (SSDS) will be installed in to the foundation construction.10/12/07: Chanda discussed with Joe Sun (Supervisor) regarding the findings of the remedial action report and reviewed the passive SSDS and detail design of the suction pits on 10/11/07. Based on the information

SUPERIOR PRINTING INK CO INC (Continued) **1000215465**

presented to the Department. DEC closed this spill. (Joe & Chanda)A NFA letter was issued to Mr. Bryan N. Cho (RP), Mr. David Yudelson(Attorney)and john Gavras (Langan)

Remarks: UNKNOWN AT THIS WHAT CAUSED SPILL AND HOW MUCH FURTHER INVESTIGATING:

Material:

Site ID:	225522
Operable Unit ID:	877544
Operable Unit:	01
Material ID:	497529
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

AM251 **MOBIL S/S** **NY LTANKS** **S104513535**
SE **140-52 6TH AVE** **NY HIST LTANKS** **N/A**
1/4-1/2 **NEW YORK, NY** **NY Spills**
0.459 mi.
2421 ft. **Site 2 of 2 in cluster AM**

Relative:
Higher

Actual:
15 ft.

LTANKS:

Site ID:	106112
Spill No:	8912181
Spill Date:	3/23/1990
Spill Cause:	Tank Overfill
Spill Source:	Gasoline Station
Spill Class:	Not reported
Spill Closed Dt:	4/9/1990
Facility Addr2:	Not reported
Cleanup Ceased:	4/9/1990
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	3/23/1990
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported

MOBIL S/S (Continued) **S104513535**

Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	4/19/1990
Spill Record Last Update:	10/26/2000
Spiller Name:	MIKE MEOLA
Spiller Company:	EXXONMOBIL CORPORATION
Spiller Address:	464 DOUGHTY BLVD
Spiller City,St,Zip:	INWOOD, NY 11096
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	93533
DEC Memo:	Not reported
Remarks:	SPILLER WASHED GASOLINE IN SEWER.

Material:

Site ID:	106112
Operable Unit ID:	937898
Operable Unit:	01
Material ID:	441654
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	8912181
Spill Date:	03/23/1990
Spill Time:	00:30
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Gas Station
Spill Class:	Not reported

MOBIL S/S (Continued) **S104513535**

Spill Closed Dt:	04/09/90
Cleanup Ceased:	04/09/90
Cleanup Meets Standard:	True
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	03/23/90
Reported to Department Time:	01:09
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	EXXONMOBIL CORP
Spiller Address:	464 DOUGHTY BLVD
Spiller City,St,Zip:	INWOOD, NY 11096-
Spiller Cleanup Date:	/ /
Facility Contact:	MIKE MEOLA
Facility Phone:	(212) 925-6045
Facility Extention:	Not reported
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	04/19/90
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	10/26/00
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	Petroleum
Quantity Spilled:	2
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	True
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329

MOBIL S/S (Continued) **S104513535**

CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	04/09/90: CALLED NOTIFIER-WRONG NUMBER NO ROBERT DIXON AT THAT .NO SUCH ADRESS. gAVE ADDRESS IN bROOKLYN THE STATION IS IN MANHATTAN Reassigned from DEC James to Sigona on 10/25/00
Spill Cause:	SPILLER WASHED GASOLINE IN SEWER.

SPILLS:

Facility ID:	9406927
DER Facility ID:	93533
Facility Type:	ER
Site ID:	106114
DEC Region:	2
Spill Number:	9406927
Spill Date:	8/22/1994
Spill Cause:	Equipment Failure
Spill Class:	Not reported
Spill Closed Date:	3/29/1995
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	8/22/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Responsible Party
Cleanup Ceased:	3/29/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	10/21/1994
Spill Record Last Update:	10/26/2000
Spiller Name:	MIKE MEOLA
Spiller Company:	EXXONMOBIL CORPORATION
Spiller Address:	464 DOUGHTY BLVD
Spiller City,St,Zip:	INWOOD, NY 11096
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	SECONDARY CONTAINMENT UNDER DISPENSES.

Material:

Site ID:	106114
Operable Unit ID:	1001225
Operable Unit:	01
Material ID:	564335
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported

MOBIL S/S (Continued) **S104513535**

Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Facility ID:	0401621
DER Facility ID:	93533
Facility Type:	ER
Site ID:	106111
DEC Region:	2
Spill Number:	0401621
Spill Date:	5/14/2004
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	10/18/2005
SWIS:	3101
Investigator:	DKHARRIN
Referred To:	Not reported
Reported to Dept:	5/14/2004
CID:	403
Water Affected:	Not reported
Spill Source:	Gasoline Station
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/14/2004
Spill Record Last Update:	10/18/2005
Spiller Name:	FRANK MESSINA
Spiller Company:	EXXON MOBIL CORP
Spiller Address:	1545 ROUTE 22 EAST
Spiller City,St,Zip:	ANNANDALE, NJ 08801
Spiller Company:	001
Contact Name:	FRANK MESSINA
Contact Phone:	(908) 730-2055
DEC Memo:	10/18/2005: Site remediation being tracked under spill no. 92-07631. (Harrington)
Remarks:	sheen of product detected in the onsite monitoring well

Material:

Site ID:	106111
Operable Unit ID:	883473
Operable Unit:	01

MOBIL S/S (Continued) **S104513535**

Material ID:	492817
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_SPILL: detail in the EDR Site Report.

AO252 **LOT 31,TAXBLOCK 223** **NY SWRCY** **S110670256**
South **444 GREENWICH STREET** **NY E DESIGNATION** **N/A**
1/4-1/2 **MANHATTAN, NY 10013**
0.469 mi.
2476 ft. **Site 1 of 2 in cluster AO**

Relative:
Higher

Actual:
10 ft.

SWRCY:

Region:	2
Facility Address 2:	Not reported
Phone Number:	2129252181
Owner Type:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	ANTHONY J. VITALE; JR.
Contact Address:	Not reported
Contact Address 2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	RHRF - registration
Activity Number:	[31M10]
Active:	No
East Coordinate:	Not reported
North Coordinate:	Not reported
Accuracy Code:	Not reported
Regulatory Status:	Not reported

LOT 31,TAXBLOCK 223 (Continued) **S110670256**

Permit #:	2-6205-00044
Auth. Date:	Not reported
Expiration Date:	Not reported
Waste Types:	Not reported

E DESIGNATION:

Tax Lot(s):	31
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369zmm
Zoning Map No:	12a
Description:	Window Wall Attenuation & Alternate Ventilation
Borough Code:	MN
Community District:	101
Census Tract:	39
Census Block:	3008
School District:	02
City Council District:	01
Fire Company:	L008
Health Area:	15
Police Precinct:	001
Zone District 1:	M1-5
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	TMU
Special Purpose District2:	Not reported
All Components1:	M1-5/TMU
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	PONTE EQUITIES INC
Lot Area:	000003360
Total Building Floor Area:	00000003360
Commercial Floor Area:	00000003360
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000003360
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0042.00
Lot Depth:	0080.00
Building Frontage:	0042.00
Building Depth:	0080.00
Proximity Code:	2
Irregular Lot Code:	N

LOT 31,TAXBLOCK 223 (Continued) **S110670256**

Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000162000
Total Assessed Value:	00000189000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1920
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Tribeca North
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	5.00
Borough Code:	1
Borough Tax Block And Lot:	1002230031
Condominium Number:	00000
Census Tract 2:	0039
X Coordinate:	0981541
Y Coordinate:	0202715
Zoning Map:	12A
Sanborn Map:	101N040
Tax Map:	10105
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005
Date of Base Map Data:	01/2006
Date of Mass Appraisal Data:	11/2005
Date of Political and Adm Data:	08/2005
Pluto-Base Map Indicator:	1

Tax Lot(s):	31
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369zmm
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Borough Code:	MN
Community District:	101
Census Tract:	39
Census Block:	3008
School District:	02
City Council District:	01
Fire Company:	L008
Health Area:	15
Police Precinct:	001
Zone District 1:	M1-5
Zone District 2:	Not reported
Commercial Overlay1:	Not reported
Commercial Overlay2:	Not reported
Special Purpose District1:	TMU
Special Purpose District2:	Not reported

LOT 31,TAXBLOCK 223 (Continued) **S110670256**

All Components1:	M1-5/TMU
All Components2:	Not reported
Split Boundary Indicator:	N
Building Class:	G9
Land Use Category:	07
Number of Easements:	0
Owner, Type of Code:	P
Owner Name:	PONTE EQUITIES INC
Lot Area:	000003360
Total Building Floor Area:	00000003360
Commercial Floor Area:	00000003360
Office Floor Area:	00000000000
Retail Floor Area:	00000000000
Garage Floor Area:	00000000000
Storage Floor Area:	00000000000
Factory Floor Area:	00000000000
Other Floor Area:	00000003360
Floor Area,Total Bld Source Code:	7
Number of Buildings:	00001
Number of Floors:	001.00
Residential Units:	00000
Non and Residential Units:	00001
Lot Frontage:	0042.00
Lot Depth:	0080.00
Building Frontage:	0042.00
Building Depth:	0080.00
Proximity Code:	2
Irregular Lot Code:	N
Lot Type:	5
Basement Type Grade:	5
Land Assessed Value:	00000162000
Total Assessed Value:	00000189000
Land Exempt Value:	00000000000
Total Exempt Value:	00000000000
Year Built:	1920
Year Built Code:	Not reported
Year Altered1:	0000
Year Altered2:	0000
Historic District Name:	Tribeca North
Landmark Name:	Not reported
Built Floor Area Ratio-Far:	0001.00
Maximum Allowable Far:	5.00
Borough Code:	1
Borough Tax Block And Lot:	1002230031
Condominium Number:	00000
Census Tract 2:	0039
X Coordinate:	0981541
Y Coordinate:	0202715
Zoning Map:	12A
Sanborn Map:	101N040
Tax Map:	10105
E Designation No:	Not reported
Date of RPAD Data:	11/2005
Date of DCAS Data:	01/2006
Date of Zoning Data:	11/2005
Date of Major Property Data:	11/2005
Date of Landmark Data:	12/2005

LOT 31,TAXBLOCK 223 (Continued) **S110670256**

Date of Base Map Data: 01/2006
Date of Mass Appraisal Data: 11/2005
Date of Political and Adm Data: 08/2005
Pluto-Base Map Indicator: 1

253
ESE
1/4-1/2
0.470 mi.
2479 ft.

171 SULLIVAN ST
MANHATTAN, NY

NY LTANKS **S104877273**
NY HIST LTANKS **N/A**
NY Spills

Relative:
Higher

Actual:
23 ft.

LTANKS:

Site ID:	209542
Spill No:	0009608
Spill Date:	11/21/2000
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	4/9/2002
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	11/21/2000
CID:	396
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/21/2000
Spill Record Last Update:	4/9/2002
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	173742
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"Con Ed e2mis #134483:GDS MECHANIC A SORRANO 11084 WAS CALLED TO LOCATION FOR A UNLOCATED 51. UPON ARRIVAL HE FOUND FUEL OIL ALL OVER THEBASEMENT FLOOR. OIL HAD ALREADY SEEPED INTO THE DRAIN. THE SUPER WAS HOSING SAME DOWN THE DRAIN. AT 1611 THE FD WAS CALLED TO LOCATION. THEY SHUT DOWN WATER TO THE BUILDING.CON ED LEAK TICKET NUMBER IS ML00012929.THERE IS APPROXIMATELY 5 GALLONS ON OIL ON THE FLOOR WHEN THE FD ARRIVED.THIS IS A THIRD PARTY SPILL. CON ED NOT INVOLVED IN SPILL.NOTIFIED CIG NATALE 16:58 BY LYLE SEAGRIFF #50868 INPUT BY LYLE SEAGRIFF.UPDATE - November 27, 2000THIS IS NOT A CON EDISON INCIDENT. This spill was turned over to the New York City Fire Department for action.Changed Incident Type to "Spill - Fuel Oil"

(Continued) **S104877273**

from "Spill - Drip Water". Added "3P" to the Short Description. Added Stop Date. Changed OPN STATUS to "Closed". Added Resolved Date.Logger Gary Windman, Env. Coordinator, 75989.Logger Kenneth Heyman #96534 3/8/02 14:40 Update: I spoke to Lou Faro today and he advised me to submit to DEC for approval. I changed the Opn Staus to CLODE and removed the resolved time.

Remarks: con ed was doing an inspect. and saw the build super washing fuel oil down the drain...con ed called the fd and they responded. nfd.

Material:

Site ID:	209542
Operable Unit ID:	831897
Operable Unit:	01
Material ID:	543545
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	0009608
Spill Date:	11/21/2000
Spill Time:	16:11
Spill Cause:	Tank Overfill
Resource Affectd:	In Sewer
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	DEMEO
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported

(Continued) **S104877273**

Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
Reported to Department Date: 11/21/00
Reported to Department Time: 17:18
SWIS: 62
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
Spiller Name: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: Not reported
Spiller Cleanup Date: / /
Facility Contact: Not reported
Facility Phone: ( ) -
Facility Extention: Not reported
Spill Notifier: Other
PBS Number: Not reported
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/21/00
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 11/27/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: True
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: #6 FUEL OIL
Class Type: #6 FUEL OIL
Times Material Entry In File: 2190
CAS Number: Not reported
Last Date: 19940728
DEC Remarks: Not reported
Spill Cause: con ed was doing an inspect. and saw the build super washing fuel oil down the drain...con ed called the fd and they responded. nfd.

SPILLS:
Facility ID: 0212366

(Continued) **S104877273**

DER Facility ID:	173742
Facility Type:	ER
Site ID:	209543
DEC Region:	2
Spill Number:	0212366
Spill Date:	3/16/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date:	10/16/2006
SWIS:	3101
Investigator:	qxabidi
Referred To:	Not reported
Reported to Dept:	3/16/2003
CID:	297
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/16/2003
Spill Record Last Update:	10/16/2006
Spiller Name:	Not reported
Spiller Company:	FERRANTINO OIL CO.
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	RICHARD SAUNDERS
Contact Phone:	(212) 253-2530
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"3/17/2003-Vought-Called Ferrantino Oil and spoke with Roger Loughlin and crew is on-site who is cleaning spill with drysol. Spill came out top of tank. No sewers or drains affected and spill on concrete. Vought called Richard Saunders who is not at site today. Vought explained to Saunders that NYSDEC requires confirmation of cleanup from owner or manager. Saunders stated that he will call Tipple tommorrow with confirmation of cleanup.05/18/06: This spill is transferred from Mr. Koon Tang to Q.Abidi.Called to Richard Saunders at (212)253-2530 left message to call me back. Also talked to Mr. Danis (Ferrantino oil co.) at (718)832-6700. He said that site is already cleaned. He will fax me confirmation of cleanup letter. -QA06/21/06: Called Mr. Danis (Ferantino oil Company)at(718)832-6700 reminded him to send confirmation of clean up letter. -QA06/23/06: Called to Mr. Danis and talked to Mr. Mike Taylor (Service Manager), Ferrantino Oil Company regarding spill. He said that he will find out the spill record and he will fax it to me. -QA07/06/06: Called Danis and talked to Mike he said that he will send report to me in a week. -QA07/20/06: Called to Mr. Danis and talked to Ms. Ethel She said she will convey my message to Mr. Danis and Mr. Mike regarding clean up confirmation letter. -QA07/24/06: Mr. Anthony Lara (718)624-4824 called me back and said spill is cleaned up. He will fax me confirmation of closing letter for the spill. -QA09/11/06: Called Mike, Service Manager (Ferrantino Oil Company) at (718)832-6700 he

(Continued) **S104877273**

said he will send report and a closing confirmation letter to close the spill as soon as possible. -QA09/18/06: Called Mr. Mike he said as soon as hewill received papers . He will send it to me. -QA10/11/06: Called Mr. Danis at (718)832-6700 he said he will find out from his Service Manager and he will call me back regarding spill. -QA10/16/06: Called to Mr. Richard Saunders at (212)253-2530 and talked to owner Mrs. Maruska Saunders she said this spill is cleaned and she sold this property in February 2006.Received a closing confirmation letter from Mr. Mark Salamack (Petroleum Tank Cleaner)they emptied the tank and welded this opening closed. The oil dripped down the outside painted concrete surface of the tank jacket and onto the painted floor. This was cleaned up by the oil company (Ferrantino). The amount of resulting oil absorbent was a small amount and discarded with the household trash from the building.According to the information of Mr. Mark Salamack spill is cleaned. DEC staff closed the spill. -QA

Remarks: CALLER STATED A FILL PIPE LEAKED GOING INTO THE BUILDING, COMP SPOKE TO THE DRIVER, AND THE DRIVER REFUSED TO GIVE HIS NAME, BUT STATED THAT HE HAD CALLED FOR SOMEONE TO COME CLEAN UP THE SPILL, AND THEN TOOK OFF DOWN THE ROAD TO HIS NEXT STOP

Material:

Site ID:	209543
Operable Unit ID:	863369
Operable Unit:	01
Material ID:	512106
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

254 ENE 1/4-1/2 0.470 mi. 2481 ft.

APARTMENT BLDG
96 GROVE ST
MANHATTAN, NY

NY LTANKS **S104782076**
NY HIST LTANKS **N/A**
NY Spills

Relative: Higher

Actual: 19 ft.

LTANKS:

Site ID:	222667
Spill No:	0005699
Spill Date:	8/11/2000
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	9/11/2000
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	8/11/2000
CID:	312
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/11/2000
Spill Record Last Update:	9/11/2000
Spiller Name:	CALLER
Spiller Company:	CASTLE OIL
Spiller Address:	290 LOCUST AVE
Spiller City,St,Zip:	BRONX, NY 10454-
Spiller County:	001
Spiller Contact:	CALLER
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	184122
DEC Memo:	Not reported
Remarks:	DRIVER OVERFILLED THE BLDG TANK - CLEANED UP FROM THE ALLEY

Material:

Site ID:	222667
Operable Unit ID:	828395
Operable Unit:	01
Material ID:	546848
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	5
Resource Affected:	Not reported
Oxygenate:	False

APARTMENT BLDG (Continued) **S104782076**

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2
Spill Number:	0005699
Spill Date:	08/11/2000
Spill Time:	12:00
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	09/11/00
Cleanup Ceased:	/ /
Cleanup Meets Standard:	True
Investigator:	SIGONA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	08/11/00
Reported to Department Time:	14:13
SWIS:	62
Spiller Contact:	CALLER
Spiller Phone:	( ) -
Spiller Extention:	Not reported
Spiller Name:	CASTLE OIL
Spiller Address:	290 LOCUST AVE
Spiller City,St,Zip:	BRONX, NY 10454-
Spiller Cleanup Date:	/ /
Facility Contact:	CALLER
Facility Phone:	( ) -
Facility Extention:	Not reported
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False

APARTMENT BLDG (Continued) **S104782076**

Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/11/00
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 09/11/00
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 5
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 5
Unkonwn Quantity Recovered: False
Material: #2 FUEL OIL
Class Type: #2 FUEL OIL
Times Material Entry In File: 24464
CAS Number: Not reported
Last Date: 19941207
DEC Remarks: no action taken by DEC Sigona
Spill Cause: DRIVER OVERFILLED THE BLDG TANK - CLEANED UP FROM THE ALLEY

SPILLS:
Facility ID: 9603649
DER Facility ID: 184122
Facility Type: ER
Site ID: 222668
DEC Region: 2
Spill Number: 9603649
Spill Date: 6/17/1996
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Date: 6/17/1996
SWIS: 3101
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 6/17/1996
CID: 349
Water Affected: Not reported
Spill Source: Tank Truck
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 6/17/1996

APARTMENT BLDG (Continued) **S104782076**

Spill Record Last Update:	6/28/1996
Spiller Name:	JIM CAREY
Spiller Company:	CASTLE OIL CORPORATION
Spiller Address:	290 LOCUST AVENUE
Spiller City,St,Zip:	BRONX, NY 10454-
Spiller Company:	001
Contact Name:	MORGAN HOLDING CORP
Contact Phone:	(212) 243-7000
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"CLEANED UP BY CASTLE OIL
Remarks:	spill in stairwell - contained and clean up in progress

Material:

Site ID:	222668
Operable Unit ID:	1031299
Operable Unit:	01
Material ID:	349923
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

AO255 **443 GREENWICH ST** **NY LTANKS** **S102672057**
South **443 GREENWICH ST** **NY HIST LTANKS** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.473 mi.
2498 ft. **Site 2 of 2 in cluster AO**

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	91150
Spill No:	9211278
Spill Date:	12/30/1992
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/30/1992
Facility Addr2:	Not reported
Cleanup Ceased:	12/30/1992
Cleanup Meets Standard:	True

443 GREENWICH ST (Continued) **S102672057**

SWIS:	3101
Investigator:	CAMMISA
Referred To:	Not reported
Reported to Dept:	12/30/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/7/1993
Spill Record Last Update:	6/7/2004
Spiller Name:	Not reported
Spiller Company:	CASTLE
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	82158
DEC Memo:	Not reported
Remarks:	CONATINED ON PAVEMENT NEAR VENT CASTLE HAS CREW EN ROUTE

Material:

Site ID:	91150
Operable Unit ID:	978242
Operable Unit:	01
Material ID:	404690
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

HIST LTANKS:

Region of Spill:	2

443 GREENWICH ST (Continued) **S102672057**

Spill Number:	9211278
Spill Date:	12/30/1992
Spill Time:	09:05
Spill Cause:	Tank Overfill
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Tank Truck
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	12/30/92
Cleanup Ceased:	12/30/92
Cleanup Meets Standard:	True
Investigator:	CAMMISA
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	12/30/92
Reported to Department Time:	09:24
SWIS:	62
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
Spiller Name:	CASTLE
Spiller Address:	Not reported
Spiller City,St,Zip:	Not reported
Spiller Cleanup Date:	/ /
Facility Contact:	Not reported
Facility Phone:	(212) 594-6153
Facility Extention:	Not reported
Spill Notifier:	Other
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	01/07/93
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	03/18/94
Is Updated:	False

Tank:

PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

443 GREENWICH ST (Continued) **S102672057**

Material Class Type:	Petroleum
Quantity Spilled:	15
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	#6 FUEL OIL
Class Type:	#6 FUEL OIL
Times Material Entry In File:	2190
CAS Number:	Not reported
Last Date:	19940728
DEC Remarks:	Not reported
Spill Cause:	CONATINED ON PAVEMENT NEAR VENT CASTLE HAS CREW EN ROUTE

256
South
1/4-1/2
0.484 mi.
2554 ft.

63 VESTRY STREET
67 VESTRY STREET
MANHATTAN, NY

NY LTANKS **S106737540**
N/A

Relative:
Higher

Actual:
7 ft.

LTANKS:

Site ID:	335075
Spill No:	0410085
Spill Date:	12/10/2004
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	3/16/2005
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	12/10/2004
CID:	409
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/13/2004
Spill Record Last Update:	3/16/2005
Spiller Name:	NICKY RICKETTS
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	NICKY RICKETTS
Spiller Phone:	(914) 777-1930
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	270296
DEC Memo:	5000 gal #6 fo tank ruptured, the tank room had a large hole broken through it leading into the many rooms of the basement. PTC brought a vac truck and numerous other trucks and people to begin the cleanup.

63 VESTRY STREET (Continued) **S106737540**

Cleanup continued Saturday and Monday. What was observable on friday eve of the concrete floor appeared to be sound. Tipple also inspected the adjoining neighbors basements which are currently under construction and they had no oil impact at that time.12/23/04 tipple updating/// most of the oil removed/ powerwashed// the tank room has not been cleaned, numeros proposals from different companies, awaiting company to be awarded contract. Once the tank is removed and the room cleaned, Tipple will conduct followup inspection.2/10/04 not yet cleaned, temporary tanks still in place3/3/05 Tipple and Rahman conducted a site visit.... The majority of the spill has been successfully cleaned, there are a few edges and at the former tank grave that must be re-cleaned.3/16/05 site visit, followup electronic photos, manifests to follow, cleanup completed, no further aaction, letter sent.....MT

Remarks: CREWS ARE ON THE WAY TO CLEAN UP.

Material:

Site ID:	335075
Operable Unit ID:	1097183
Operable Unit:	01
Material ID:	577138
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	Not reported
Spill Tank Test:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate:	Not reported
Gross Fail:	Not reported
Modified By:	Not reported
Last Modified:	Not reported
Test Method:	Not reported

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257 East 1/4-1/2 0.484 mi. 2556 ft. **APARTMENT 126 MACDOUGAL ST MANHATTAN, NY** **NY LTANKS** **S109829738 N/A**

Relative: Higher

Actual: 21 ft.

LTANKS:

Site ID:	417080
Spill No:	0904868
Spill Date:	7/27/2009
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

APARTMENT (Continued) **S109829738**

	Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	5/25/2011
Facility Addr2:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	7/27/2009
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	7/27/2009
Spill Record Last Update:	5/25/2011
Spiller Name:	Not reported
Spiller Company:	UNK
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	MARLIN JOESPH
Spiller Phone:	(718) 624-4842
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	366154
DEC Memo:	07/30/09 PTC working on the tank removal.UST #2 oil, 550 gallon, not in use, as of now.(sr)09/10/09 CSL sent out to 126 Macdougal Holdings LLC 126 Macdougal StreetNew York, NY 10012(sr)10/26/09 Letter returned undelivered.Letter resent to 126 Macdougal Holdings LLC 100 Cedarhurst AvenueCedarhurst, NY 11511Attn: Andrew Kleiman(sr) 11/13/09 Rec'd response letter from Barberry Rose Mgmt. Co. Inc., waiting DOB permit to replace the tank.(sr)04/09/10 PTC performed tightness testing.Tank failed the test.Left messege for Mordy Oberstein at BRM to follow up on the investigation around the tank.(sr)09/08/10 Spoke with Mordy Oberstein of BRM.He could not tell me whether soil testing around the tank was performed or not.I explained it to him that subsurface investigation is required since the tank was underground and it failed the test.Unsure if the tank passed the subsequent tightness test. Letter was sent out again to(requiirng subsurface investigation) Barberry Rose Management Company, Inc100 Cedarhurst Avenue, Suite 202 Cedarhurst, NY 11516Attn: Mordy Oberstein, Chief Operations Officer CERTIFIED MAIL-70090820000086871293 05/25/11 Rec'd soil analytical data.Results are within acceptable range.Soil samples were taken through the bottom of the tank. Letter from PTC in edocs.Tank was closed in place.Case closed.(sr)
Remarks:	disconected tank did tank only test the tank failed, tank is 550 gallons, tank will be pumped and retested.

Material:

Site ID:	417080
Operable Unit ID:	1173334
Operable Unit:	01
Material ID:	2165235

APARTMENT (Continued) **S109829738**

Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: Not reported
Spill Tank Test: Not reported
Tank Number: Not reported
Tank Size: Not reported
Test Method: Not reported
Leak Rate: Not reported
Gross Fail: Not reported
Modified By: Not reported
Last Modified: Not reported
Test Method: Not reported

AN258 **A&L AUTO RENTAL SERV. INC** **NY LTANKS** **S102399190**
North **393 WEST 12TH ST** **NY HIST LTANKS** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.493 mi.
2604 ft. **Site 2 of 2 in cluster AN**

Relative:
Higher

Actual:
7 ft.

LTANKS:
Site ID: 236242
Spill No: 9606714
Spill Date: 8/26/1996
Spill Cause: Tank Test Failure
Spill Source: Gasoline Station
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 9/10/2007
Facility Addr2: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: hrpatel
Referred To: Not reported
Reported to Dept: 8/26/1996
CID: 365
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 8/26/1996
Spill Record Last Update: 9/10/2007
Spiller Name: VIC
Spiller Company: A&L AUTO RENTAL SERV. INC
Spiller Address: 393 WEST 12TH ST

A&L AUTO RENTAL SERV. INC (Continued) **S102399190**

Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	001
Spiller Contact:	VIC
Spiller Phone:	(212) 242-0044
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	194620
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL C"3/11/03 - SAMUEL- File available in active unassigned spill files.03/26/04 - Reassigned from Samuel to Rommel08/26/05 - Follup letter sent to property owner to address a TTF at the site. It has also been discovered that there is a property transfer in the works and that ATC is the consulting firm handling any environmental work at the site. Therefore, a copy of the spill report and the Region 2 form letter was sent to the ATC project manager for his reference.8/31/05 - ATC is doing work at the site and believes the tank was removed. A geophysical investigation was performed. The investigation located the remnants of a filler pipe but found no tank. A patch of pavement was observed consistent with the removal of a 500 gal tank. Three borings (one up gradient, two down gradient) were performed and samples taken. ATC asked that an NFA letter be sent based on the analytical results coming back negative for contamination. A letter report would be submitted stating results and concludions.11/8/05 - No letter report has been recieved so ATC was contacted. Contamination had been detected in one of the borings so no report was sent. The work plan calls for expanding the investigation once the building on site is demolished which should occur in January or February of 2006. At that point additional borings are to be performed to determine the extent of the contamination and subsequent remedial actions will be proposed.08/18/2006 - IABEILBY: Contacted ATC PM (Jason Hayes, 212-479-5427) to inquire about status of investigation. He stated that further demolition was planned for the site and that the investigation could continue at that point. He was informed that any further contact with the department should be directed to the Region 2 office.NEXT STEP: follow up with consultant to ascertain progress.8/28/2007 Sangesland spoke to rep from Langan Engineering. He says they have finished work on the site (excavation?endpoints?) He would like to submit a closure report for final review. Case reassigned to Kumar Patel.08/28/07-Hiralkumar Patel. received message from Jason Hayes from Langan engineering. they excavated contamiated soil during site development and report is ready. Mr. Hayes asked for address to send report.Jason HayesLangan EngineeringPh. (212) 479-5427email: jahayes@langan.comsent email to Mr. Hayes requiring submission of closure report alongwith investigation report, that was done in 2005 and during that time found contaminated soil.08/29/07-Hiralkumar Patel. received email from Mr. Hayes. he mentioned that there was no report produced for investigation work done in 2005. he will include description and analyticals of that work in closure report.09/10/07-Hiralkumar Patel. received closure report from Mr. Hayes. abstract:- 550 gal gasoline UST that was failed the tightness test was removed at some point between 1996 and 2005 <---------- depth to groundwater at teh site is estimated at approx. 8 ft bg and presumable flows northwest-west towards the nearby Hudson river- found concrete patch in building (could be UST location), staining on conrete, a sump in the southwest corner and a centrally located floor drain, during 2005 Phase I- site was in use

A&L AUTO RENTAL SERV. INC (Continued) **S102399190**

as auto garage in past- Langan performed a GPR survey on Aug. 26, 2005 and did not reveal evidence of USTs- rectangular concrete patched-area was identified along the southern site boundry near the sidewalk, a disconnected fill line was traced from the sidewalk to the potential UST area- fil port in the siewalk is filled with concrete- completed 8 direct-push soil borings at the site- borings were advanced to 10 ft bg- 3 mud-rotary borings were completed as part of a Geotechnical investigation- nine soil samples were collected: one sample from each of geoprobe borings, and one sample from a geotechnical boring (B2)- soil samples were collected from 4 to 10 ft bg- no staining, odor or elevated PID readings were observed in the soil samples with the exception of one soil sample at location E4- boring E4, adjacent to a sump in the southwest corner of the site, staining and petroleum odor were observed at approx. 9 ft bg- PID readings for boring E4 were observed upto 60 ppm- fill material extended to an approx. depth ranging from 6 ft to 9 ft bg- excavated impacted soil to an approx. depth of 10 ft bg- 4 endpoint samples were collected: one sidewall sample from east, west and north sidewalls and one bottom sample- sidewall samples were collected at approx. 6 inches above the base of the excavation area, approx. 9 ft bg- base sample was collected from a depth of approx. 10 to 10.5 ft bg- sample was not collected from the south sidewall due to the presence of an foundation wall at the southern site border- area of final excavation was approx. 610 sq.ft. with depth of 10 ft bg- groundwater was encountered at approx. 10 ft bg- 220 tons of petroluem impacted soil was removed- found SVOC contamination in sample E2 during 2005 investigation. sample was taken at depth of 3.5-4.5 ft bg. no contamination found in sample E4 where they found heavy PID (60 ppm)- no contamination found in endpoint samplesreport doens't have information about location of dispenser island and any investigation along old fill line.spoke with Mr. Hayes. he mentioned that they did GPR survey in entire site and didn't found any area that could be location of dispenser island. as per Mr. Hayes, this small gasoline tank was in use to fill up cars under repair and dispeser point could be right on tank. he also mentioned that previous boring E1 was at point where suspected fill line ends inside building and from that point to fill port, fill line runs about 10 ft under sidewalk. no contamination was found in E1.discuss with DEC Austin. based on submitted report, he asked to close the case.case closed.

Remarks: test = air pressureat 5lbs they discontinued test, they are underground tanks

Material:

Site ID:	236242
Operable Unit ID:	1034517
Operable Unit:	01
Material ID:	345981
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

A&L AUTO RENTAL SERV. INC (Continued) **S102399190**

Tank Test:

Site ID:	236242
Spill Tank Test:	1544705
Tank Number:	Not reported
Tank Size:	550
Test Method:	99
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Alternate Test per 613.5a2v

HIST LTANKS:

Region of Spill:	2
Spill Number:	9606714
Spill Date:	08/26/1996
Spill Time:	12:00
Spill Cause:	Tank Test Failure
Resource Affectd:	On Land
Water Affected:	Not reported
Spill Source:	Gas Station
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	/ /
Cleanup Ceased:	/ /
Cleanup Meets Standard:	False
Investigator:	O'DOWD
Caller Name:	Not reported
Caller Agency:	Not reported
Caller Phone:	Not reported
Caller Extension:	Not reported
Notifier Name:	Not reported
Notifier Agency:	Not reported
Notifier Phone:	Not reported
Notifier Extension:	Not reported
Reported to Department Date:	08/26/96
Reported to Department Time:	12:39
SWIS:	62
Spiller Contact:	VIC
Spiller Phone:	(212) 242-0044
Spiller Extention:	Not reported
Spiller Name:	A&L AUTO RENTAL SERV. INC
Spiller Address:	393 WEST 12TH ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Cleanup Date:	/ /
Facility Contact:	VIC
Facility Phone:	(212) 929-9731
Facility Extention:	Not reported
Spill Notifier:	Tank Tester
PBS Number:	Not reported
Last Inspection:	/ /
Recommended Penalty:	Penalty Not Recommended
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	False

A&L AUTO RENTAL SERV. INC (Continued) **S102399190**

Date Region Sent Summary to Central Office: / /
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 08/26/96
Time Spill Entered In Computer Data File: Not reported
Spill Record Last Update: 09/19/96
Is Updated: False

Tank:
PBS Number: Not reported
Tank Number: Not reported
Tank Size: 550
Test Method: Alternate Test per 613.5a2v (PBS Regulations)
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: Petroleum
Quantity Spilled: 0
Unkonwn Quantity Spilled: False
Units: Gallons
Quantity Recovered: 0
Unkonwn Quantity Recovered: False
Material: GASOLINE
Class Type: GASOLINE
Times Material Entry In File: 21329
CAS Number: Not reported
Last Date: 19940929
DEC Remarks: Not reported
Spill Cause: test = air pressure at 5lbs they discontinued test, they are underground tanks

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259 SE 1/2-1 0.946 mi. 4995 ft. | **CON EDISON - CANAL ST. WORKS MGP**
CANAL STREET
NEW YORK, NY 10013 | **EDR MGP** | **1008408208**
N/A

Relative: Higher

Actual: 14 ft.

Manufactured Gas Plants:
No additional information available

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NEW YORK	1000111686	CONSOLIDATED EDISON COMPANY OF NEW	MARGINAL & W HOUSTON ST-PIER40	10003	FINDS,RCRA-NLR,MANIFEST
HOBOKEN CITY	1000202017	ALBEE SERVICES INC	410 8TH ST	07030	CERCLIS-NFRAP,ENG
HOBOKEN	1000242264	STAHL SOAP CORP	1413 WILLOW AVE	07030	FINDS,UST,MANIFEST,MANIFEST,FI
NEW YORK	1000332642	SUN REFINING & MARKETING COMPANY	WEST BROADWAY	10013	FINDS,MANIFEST,RCRA-NLR
HOBOKEN CITY	1000333062	HOBOKEN TANK LINES INC	457 12TH ST	07030	FINDS,UST,RCRA-NLR,HWS,BROWN
HOBOKEN	1000419271	NJ TRANSIT HOBOKEN	WEST END SUB STATION	07030	FINDS,RCRA-NLR
HOBOKEN CITY	1000538837	FERGUSON PROPELLER INC	1132 CLINTON ST	07030	BROWNFIELDS,UST,ENG
					CONTROLS,VCP,HWS,INST CONTRO
NEW YORK	1000790422	CONSOLIDATED EDISON	W 81 ST & 37 AVE MH3539	10003	FINDS,RCRA-NLR,MANIFEST
NEW YORK	1001119332	NYSDOT RT 9A RECONS PROJ SEGMENT	CLARKSON ST - HORATIO ST	10011	FINDS,RCRA-NLR,MANIFEST
NEW YORK	1001961563	MEGA ART	W HOUSTON & WESTSIDE PIER 40	10014	FINDS,RCRA-NLR,MANIFEST
NEW YORK	1004755719	NYCDOT	WEST 31ST STBRIDGE		FINDS,RCRA-NLR,MANIFEST
NEW YORK CITY	1005905789	NYC DOT	W 37TH STREET BRIDGE	10001	RCRA-SQG,MANIFEST,MANIFEST,FI
NEW YORK	1009238433	CONSOLIDATED EDISON	10819-RONALDS AVE & KINGS HWY	10003	MANIFEST
NEW YORK	1014398050	CON EDISON	HARRISON ST BTWN RTE 9A &	10013	RCRA-NLR
NEW YORK	S109064422	BELL ATLANTIC NY	30TH ST & WESTSIDE HWY SE MANH		MANIFEST
NEW YORK	S109064446	BELL ATLANTIC NY	W 31ST ST & WESTSIDE HWY MANHL		MANIFEST
NEW YORK	S109942993	59TH GENERATION STATION	59TH ST OFF THE WEST SIDE HIGH		SPILLS
NEW YORK	U003241876	SUNOCO STATION (CAVANT)	14TH STREET & WEST SIDE HIGHWA	10014	HIST UST
HOBOKEN CITY	U003404868	MUNICIPAL GARAGE	256 OBSERVER HWY	07030	BROWNFIELDS,UST,INST CONTROL
NEW YORK	U004078196	SUNOCO STATION (CAVANT)	14TH STREET & WEST SIDE HIGHWA	10014	AST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 03/01/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 11/28/2012	Telephone: 703-412-9810
Date Made Active in Reports: 01/07/2013	Last EDR Contact: 03/01/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/10/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/22/2013
	Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 11/28/2012	Telephone: 703-412-9810
Date Made Active in Reports: 01/07/2013	Last EDR Contact: 01/04/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/21/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 6

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/08/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 12/19/2012
Date Data Arrived at EDR: 12/26/2012
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 12/19/2012
Date Data Arrived at EDR: 12/26/2012
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Annually

NJ SHWS: Known Contaminated Sites in New Jersey

The Known Contaminated Sites in New Jersey includes sites under the purview of the Site Remediation Program which have contamination present at levels greater than the applicable cleanup criteria for soil and/or groundwater standards. The sites appearing in Known Contaminated Sites in New Jersey are classified as either active, where the site is assigned to a specific remedial program area, or pending, where the site is awaiting assignment to a specific remedial program area. Sites where no further action (NFA) designation has been given are not included in this report unless there are other areas of identified contamination which have not been remediated. This report includes sites being remediated under all of the various regulatory programs administered by the Site Remediation Program such as: Federal Superfund Program, Federal Resource Conservation and Recovery Act (RCRA), New Jersey's Industrial Site Recovery Act (ISRA), New Jersey's Underground Storage of Hazardous Substances Act, New Jersey's Spill Compensation and Control Act, New Jersey's Solid Waste Management Act, New Jersey's Water Pollution Control Act.

Date of Government Version: 04/17/2012
Date Data Arrived at EDR: 05/31/2012
Date Made Active in Reports: 06/27/2012
Number of Days to Update: 27

Source: New Jersey Department of Environmental Protection
Telephone: 609-292-8761
Last EDR Contact: 03/01/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

NY VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 05/01/2012
Date Data Arrived at EDR: 05/23/2012
Date Made Active in Reports: 07/03/2012
Number of Days to Update: 41

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/07/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Semi-Annually

NJ SWF/LF: Solid Waste Facility Directory

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/07/2012
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 609-984-6741
Last EDR Contact: 02/07/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

NY LTANKS: Spills Information Database

Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/08/2013
Number of Days to Update: 49

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

NY HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 62

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2012
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

NY TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

NY UST: Petroleum Bulk Storage (PBS) Database
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: No Update Planned

NJ UST: Underground Storage Tank Data
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 12/26/2012
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 47

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

NY CBS UST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

NY MOSF UST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: Varies

NY AST: Petroleum Bulk Storage
Registered Aboveground Storage Tanks.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: No Update Planned

NY CBS AST: Chemical Bulk Storage Database
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

NY MOSF AST: Major Oil Storage Facilities Database
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

NY MOSF: Major Oil Storage Facility Site Listing
These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

NY CBS: Chemical Bulk Storage Site Listing
These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 01/02/2013
Date Data Arrived at EDR: 01/02/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 75

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

NJ ENG CONTROLS: Declaration Environmental Restriction/Deed Notice Sites

Legal Document that restricts the use of contaminated property; holds owner(s) to the regulatory/statutory requirements for cleanup.

Date of Government Version: 12/04/2012
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

NY INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

NJ INST CONTROL: Classification Exception Area Sites

A Classification Exception Area is an institutional control providing notice that ground water contamination exists in a particular location above State standards.

Date of Government Version: 12/04/2012
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

NY RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 12/23/2010
Date Made Active in Reports: 02/11/2011
Number of Days to Update: 50

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: No Update Planned

State and tribal voluntary cleanup sites

NY VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Semi-Annually

NJ VCP: Voluntary Cleanup Program Sites

Through the VCP, responsible parties, developers, local officials, or individuals may work with the department to remediate non-priority contaminated sites that pose no immediate threat to human health or the environment.

Date of Government Version: 10/18/2010
Date Data Arrived at EDR: 11/22/2010
Date Made Active in Reports: 01/07/2011
Number of Days to Update: 46

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

NY ERP: Environmental Restoration Program Listing
In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

NY BROWNFIELDS: Brownfields Site List
A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Semi-Annually

NJ BROWNFIELDS: Brownfields Database
Brownfields are identified as former or current commercial or industrial use sites that are presently vacant or underutilized, on which there is suspected to have been a discharge of a contamination to the soil or groundwater at concentrations greater than applicable cleanup criteria.

Date of Government Version: 09/19/2012
Date Data Arrived at EDR: 09/21/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 609-292-1251
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Annually

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 02/14/2013
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: No Update Planned

NY SWRCY: Registered Recycling Facility List
A listing of recycling facilities.

Date of Government Version: 01/07/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Semi-Annually

NY SWTIRE: Registered Waste Tire Storage & Facility List
A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 01/25/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

NJ SWRCY: Approved Class B Recycling Facilities
"Class B recyclable material" means a source separated recyclable material which is subject to Department approval prior to receipt, storage, processing or transfer at a recycling center in accordance with N.J.S.A. 13:1E-99.34b.

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/07/2012
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: 609-984-6650
Last EDR Contact: 02/07/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/14/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/04/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Quarterly

NY DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/14/2012
Number of Days to Update: 24

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

NY HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

NY HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

NY LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 02/11/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

NJ LIENS: Environmental LIENS

A listing of properties with environmental liens. The listing includes sites from the Site Remediation & Waste Management Program Sites where the Department has placed either a 1st Priority or Regular Spill Fund Lien against. 1st Priority Type Lien - a lien placed against the property where the discharged occurred providing that the owners of the property have some responsibility towards the discharge. First Priority Lien is superior to other types of liens. Non-Priority (Regular) Type Lien - a lien placed against the Responsible Party & their revenues and all real and personal property, other than the real property comprising the location of the discharge.

Date of Government Version: 11/07/2012
Date Data Arrived at EDR: 12/26/2012
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 47

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

NY SPILLS: Spills Information Database

Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 01/08/2013
Number of Days to Update: 49

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

NY HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/12/2013
Date Data Arrived at EDR: 02/15/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 12

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/05/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/06/2013
Next Scheduled EDR Contact: 06/17/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/16/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/09/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/26/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Biennially

NY HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 36

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

NJ UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 01/09/2009
Date Data Arrived at EDR: 02/25/2009
Date Made Active in Reports: 03/11/2009
Number of Days to Update: 14

Source: Department of Environmental Protection
Telephone: 609-292-0407
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/11/2012
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/07/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

NY DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 06/20/2012
Date Data Arrived at EDR: 07/16/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 52

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Varies

NJ DRYCLEANERS: Drycleaner List

A listing of registered drycleaners.

Date of Government Version: 11/29/2012
Date Data Arrived at EDR: 11/30/2012
Date Made Active in Reports: 12/07/2012
Number of Days to Update: 7

Source: Department of Environmental Protection
Telephone: 609-292-2795
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

NY SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 10/23/2012
Date Data Arrived at EDR: 10/24/2012
Date Made Active in Reports: 11/09/2012
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: No Update Planned

NJPDES: New Jersey Pollutant Discharge Elimination System Dischargers
The NJPDES contains the names, addresses and other information of all permitted New Jersey Pollutant Discharge Elimination Sytem dischargers.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 12/07/2012
Number of Days to Update: 18

Source: Department of Environmental Protection
Telephone: 609-984-4428
Last EDR Contact: 02/20/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Varies

NY AIRS: Air Emissions Data
Point source emissions inventory data.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/03/2012
Number of Days to Update: 62

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 01/28/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Annually

NY E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 10/11/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 11/09/2012
Number of Days to Update: 8

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 12/26/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Varies

NY COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 01/08/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Varies

NY Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 01/08/2013
Date Data Arrived at EDR: 01/09/2013
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Quarterly

NY Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/31/2008
Date Data Arrived at EDR: 11/25/2008
Date Made Active in Reports: 12/11/2008
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST
EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/12/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Quarterly

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 11/15/2012
Date Data Arrived at EDR: 11/16/2012
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

US FIN ASSUR: Financial Assurance Information
All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 11/20/2012
Date Data Arrived at EDR: 11/30/2012
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/19/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: N/A

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/15/2013
Next Scheduled EDR Contact: 05/27/2013
Data Release Frequency: Varies

NJ COAL ASH: Coal Ash Listing

Coal combustion survey ash listing.

Date of Government Version: 05/10/2010
Date Data Arrived at EDR: 05/12/2010
Date Made Active in Reports: 06/28/2010
Number of Days to Update: 47

Source: Department of Environmental Protection
Telephone: 609-984-6985
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

NJ Financial Assurance: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 11/07/2012
Date Data Arrived at EDR: 12/18/2012
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 55

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Semi-Annually

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/01/2013
Next Scheduled EDR Contact: 05/13/2013
Data Release Frequency: Varies

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 32

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: N/A
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 27

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 12/18/2012
Date Data Arrived at EDR: 12/20/2012
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 27

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003
Date Data Arrived at EDR: 05/27/2003
Date Made Active in Reports: 06/09/2003
Number of Days to Update: 13

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 01/07/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 10/11/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 11/14/2012
Number of Days to Update: 33

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 10/11/2012
Date Data Arrived at EDR: 10/12/2012
Date Made Active in Reports: 11/14/2012
Number of Days to Update: 33

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/11/2013
Next Scheduled EDR Contact: 06/24/2013
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Annually

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006
Date Data Arrived at EDR: 01/11/2007
Date Made Active in Reports: 02/07/2007
Number of Days to Update: 27

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Annually

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/20/2012
Date Made Active in Reports: 12/12/2012
Number of Days to Update: 22

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/04/2013
Next Scheduled EDR Contact: 05/20/2013
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/18/2013
Next Scheduled EDR Contact: 06/03/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/25/2013
Next Scheduled EDR Contact: 06/10/2013
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 11/16/2012
Date Data Arrived at EDR: 11/29/2012
Date Made Active in Reports: 01/16/2013
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 01/21/2013
Next Scheduled EDR Contact: 05/06/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WEST & LEROY
355-359 WEST STREET AND 156 LEROY STREET
NEW YORK, NY 10014

TARGET PROPERTY COORDINATES

Latitude (North):	40.7301 - 40˚ 43' 48.36''
Longitude (West):	74.0102 - 74˚ 0' 36.72''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	583585.2
UTM Y (Meters):	4509056.0
Elevation:	7 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40074-F1 JERSEY CITY, NJ NY
Most Recent Revision:	1981
East Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

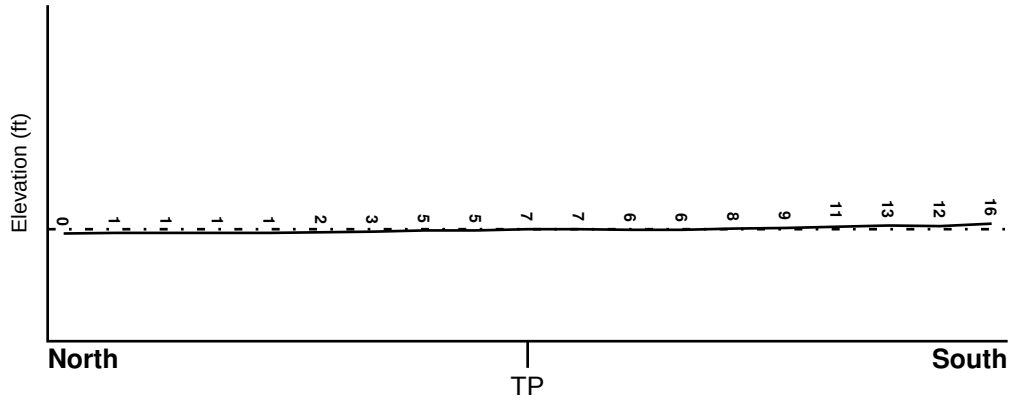
TOPOGRAPHIC INFORMATION

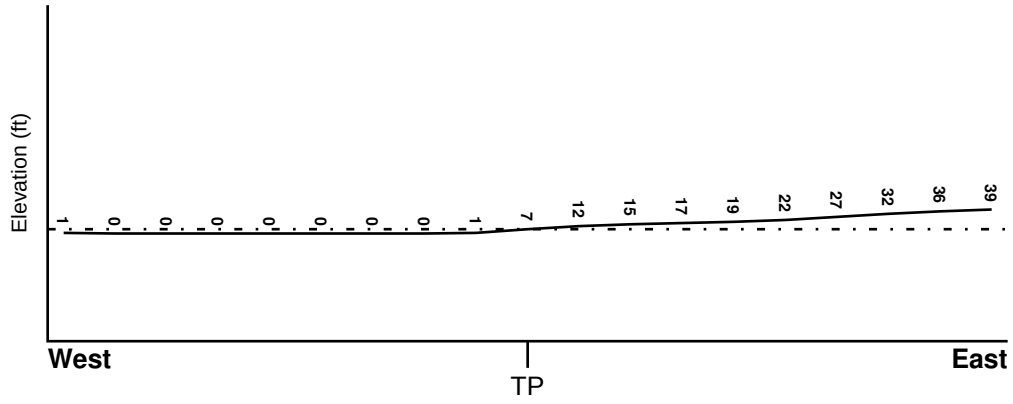
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

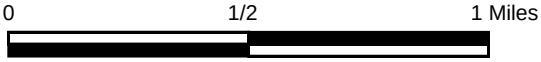
General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 7 ft.



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
NEW YORK, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	3604970046B - FEMA Q3 Flood data
Additional Panels in search area:	3604970039B - FEMA Q3 Flood data 3604970038B - FEMA Q3 Flood data 3604970047B - FEMA Q3 Flood data 3604970054B - FEMA Q3 Flood data 34017C - FEMA DFIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
JERSEY CITY	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1 - 2 Miles ENE
Site Name:	AMERICAN RADIUM INDUSTRIES
Site EPA ID Number:	NYD987001476
Groundwater Flow Direction:	NOT AVAILABLE.
Inferred Depth to Water:	not available. Saturated layers impacted by salt water intrusion are present in the overburden. It is generally inferred that the depth to the uppermost 'aquifer' is greater than 70 feet at the surface of the bedrock/sediment interface.
Hydraulic Connection:	Detailed hydraulic connection information is not available. Glacial till and outwash deposit sediments overlie the Manhattan Schist, the uppermost bedrock unit at the site. The surface elevation of bedrock decreases to the southwest of the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

* ©1996 Site--specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT		**GEOLOGIC AGE IDENTIFICATION**	
Era:	Paleozoic	Category:	Stratified Sequence
System:	Ordovicias		
Series:	Lower Ordovician and Cambrian carbonate rocks		
Code:	OC *(decoded above as Era, System & Series)*		

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loamy sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS2137202	1/8 - 1/4 Mile NE
A2	USGS2137200	1/8 - 1/4 Mile NE
A3	USGS2137201	1/8 - 1/4 Mile NE
4	USGS2137198	1/8 - 1/4 Mile East
B5	USGS2137196	1/8 - 1/4 Mile ESE
B6	USGS2137195	1/8 - 1/4 Mile ESE
B7	USGS2137192	1/8 - 1/4 Mile SE
C9	USGS2137205	1/4 - 1/2 Mile NE
D10	USGS2137186	1/4 - 1/2 Mile SSE
D11	USGS2137187	1/4 - 1/2 Mile SSE
D12	USGS2137188	1/4 - 1/2 Mile SSE
13	USGS2137191	1/4 - 1/2 Mile ESE
14	USGS2137183	1/4 - 1/2 Mile SSE
E15	USGS2137207	1/4 - 1/2 Mile North
F16	USGS2137178	1/2 - 1 Mile South
F17	USGS2137176	1/2 - 1 Mile South
F18	USGS2137177	1/2 - 1 Mile South
E19	USGS2137208	1/2 - 1 Mile North
20	USGS2137209	1/2 - 1 Mile NNE
21	USGS2137179	1/2 - 1 Mile SSE
F22	USGS2137378	1/2 - 1 Mile South
G23	USGS2137377	1/2 - 1 Mile SSE
H24	USGS2855796	1/2 - 1 Mile SE
H25	USGS2117722	1/2 - 1 Mile SE
I26	USGS2137369	1/2 - 1 Mile South
I27	USGS2137373	1/2 - 1 Mile South
I28	USGS2137371	1/2 - 1 Mile South
I29	USGS2137374	1/2 - 1 Mile South
I30	USGS2137370	1/2 - 1 Mile South
I31	USGS2137375	1/2 - 1 Mile South
I32	USGS2137372	1/2 - 1 Mile South
I33	USGS2137368	1/2 - 1 Mile South
H34	USGS2855365	1/2 - 1 Mile SE
H35	USGS2117705	1/2 - 1 Mile SE
G36	USGS2137376	1/2 - 1 Mile SSE
37	USGS2137212	1/2 - 1 Mile NNE
38	USGS2137365	1/2 - 1 Mile South
39	USGS2137211	1/2 - 1 Mile NE
40	USGS2137362	1/2 - 1 Mile SSE
41	USGS2137175	1/2 - 1 Mile SE
42	USGS2137363	1/2 - 1 Mile SSE
J43	USGS2137182	1/2 - 1 Mile ESE
44	USGS2137367	1/2 - 1 Mile SE
J45	USGS2137180	1/2 - 1 Mile ESE
K46	USGS2137357	1/2 - 1 Mile South
K47	USGS2137356	1/2 - 1 Mile South
K48	USGS2137358	1/2 - 1 Mile South
L49	USGS2137359	1/2 - 1 Mile SSE
L50	USGS2137355	1/2 - 1 Mile South
51	USGS3132171	1/2 - 1 Mile ESE
L52	USGS2137353	1/2 - 1 Mile SSE
53	USGS2117584	1/2 - 1 Mile East

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FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
54	USGS2137361	1/2 - 1 Mile SE
55	USGS2117729	1/2 - 1 Mile ESE
56	USGS2137354	1/2 - 1 Mile SSE
57	USGS2137352	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	NYOG70000000095	1/8 - 1/4 Mile ESE
A2	NYOG70000000093	1/8 - 1/4 Mile ESE
3	NYOG70000000097	1/4 - 1/2 Mile NE
B4	NYOG70000000086	1/4 - 1/2 Mile South
B5	NYOG70000000087	1/4 - 1/2 Mile South
B7	NYOG70000000084	1/4 - 1/2 Mile South
B6	NYOG70000000083	1/4 - 1/2 Mile South
B8	NYOG70000000082	1/4 - 1/2 Mile South
B9	NYOG70000000081	1/4 - 1/2 Mile South
10	NYOG70000000085	1/4 - 1/2 Mile SSE
11	NYOG70000000098	1/4 - 1/2 Mile NE
12	NYOG70000000103	1/2 - 1 Mile NNE
13	NYOG70000000099	1/2 - 1 Mile NE
C14	NYOG70000000069	1/2 - 1 Mile South
C15	NYOG70000000068	1/2 - 1 Mile South
D16	NYOG70000000091	1/2 - 1 Mile East
D17	NYOG70000000094	1/2 - 1 Mile East
18	NYOG70000000067	1/2 - 1 Mile South
E19	NYOG70000000108	1/2 - 1 Mile NNE
E20	NYOG70000000109	1/2 - 1 Mile NNE
E21	NYOG70000000110	1/2 - 1 Mile NNE
E22	NYOG70000000111	1/2 - 1 Mile NNE
F23	NYOG70000000112	1/2 - 1 Mile North
F24	NYOG70000000113	1/2 - 1 Mile NNE
F25	NYOG70000000114	1/2 - 1 Mile North
26	NYOG70000000061	1/2 - 1 Mile SSE
27	NYOG70000000070	1/2 - 1 Mile SE

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
28	NYOG70000000092	1/2 - 1 Mile East
G29	NYOG70000000106	1/2 - 1 Mile NE
G30	NYOG70000000105	1/2 - 1 Mile NE
H31	NYOG70000000057	1/2 - 1 Mile South
32	NYOG70000000115	1/2 - 1 Mile NNE
H33	NYOG70000000056	1/2 - 1 Mile South
I34	NYOG70000000066	1/2 - 1 Mile SE
I35	NYOG70000000065	1/2 - 1 Mile SE
H36	NYOG70000000053	1/2 - 1 Mile South
H37	NYOG70000000050	1/2 - 1 Mile South
H38	NYOG70000000051	1/2 - 1 Mile South
H39	NYOG70000000052	1/2 - 1 Mile South
40	NYOG70000000079	1/2 - 1 Mile ESE
41	NYOG70000000060	1/2 - 1 Mile SSE
42	NYOG70000000088	1/2 - 1 Mile ESE
J44	NYOG70000000074	1/2 - 1 Mile ESE
J43	NYOG70000000073	1/2 - 1 Mile ESE
45	NYOG70000000054	1/2 - 1 Mile SSE
J46	NYOG70000000077	1/2 - 1 Mile ESE
J47	NYOG70000000078	1/2 - 1 Mile ESE
J48	NYOG70000000075	1/2 - 1 Mile ESE
J49	NYOG70000000076	1/2 - 1 Mile ESE
K51	NYOG70000000090	1/2 - 1 Mile East
K50	NYOG70000000089	1/2 - 1 Mile East
J53	NYOG70000000072	1/2 - 1 Mile ESE
J52	NYOG70000000071	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 3540659.2s

County Boundary
Major Roads
Contour Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

SITE NAME: West & Leroy	CLIENT: Langan Engineering, Inc.
ADDRESS: 355-359 West Street and 156 Leroy Street New York NY 10014	CONTACT: Gregory Wyka INQUIRY #: 3540659.2s
LAT/LONG: 40.7301 / 74.0102	DATE: March 11, 2013 4:49 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **NE** **1/8 - 1/4 Mile** **Higher**	**FED USGS**	**USGS2137202**

Agency cd:	USGS	Site no:	404352074003103
Site name:	NY 132		
Latitude:	404352	EDR Site id:	USGS2137202
Longitude:	0740031	Dec lat:	40.73121314
Dec lon:	-74.00819522	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	35	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

A2 **NE** **1/8 - 1/4 Mile** **Higher**	**FED USGS**	**USGS2137200**

Agency cd:	USGS	Site no:	404352074003101
Site name:	NY 130		
Latitude:	404352	EDR Site id:	USGS2137200
Longitude:	0740031	Dec lat:	40.73121314
Dec lon:	-74.00819522	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported

Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	35	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

A3
NE
1/8 - 1/4 Mile
Higher

FED USGS **USGS2137201**

Agency cd:	USGS	Site no:	404352074003102
Site name:	NY 131		
Latitude:	404352	EDR Site id:	USGS2137201
Longitude:	0740031	Dec lat:	40.73121314
Dec lon:	-74.00819522	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	35	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

4
East **FED USGS** **USGS2137198**
1/8 - 1/4 Mile
Higher

Agency cd:	USGS	Site no:	404349074002701
Site name:	NY 40		
Latitude:	404349	EDR Site id:	USGS2137198
Longitude:	0740027	Dec lat:	40.73037983
Dec lon:	-74.00708408	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	52	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

B5
ESE **FED USGS** **USGS2137196**
1/8 - 1/4 Mile
Higher

Agency cd:	USGS	Site no:	404344074002801
Site name:	NY 32		
Latitude:	404344	EDR Site id:	USGS2137196
Longitude:	0740028	Dec lat:	40.72899097
Dec lon:	-74.00736186	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND AND GRAVEL		
Well depth:	70	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

B6
ESE
1/8 - 1/4 Mile
Higher

FED USGS **USGS2137195**

Agency cd:	USGS	Site no:	404343074002601
Site name:	NY 172		
Latitude:	404343	EDR Site id:	USGS2137195
Longitude:	0740026	Dec lat:	40.7287132
Dec lon:	-74.00680629	Coor meth:	U
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	17.32		
Altitude method:	Unknown		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	640.70	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2002-01-09	Ground water data end date:	2004-04-19
Ground water data count:	9		

Ground-water levels, Number of Measurements: 0

B7
SE
1/8 - 1/4 Mile
Higher

FED USGS **USGS2137192**

Agency cd:	USGS	Site no:	404341074002501
Site name:	NY 184		
Latitude:	404341.41	EDR Site id:	USGS2137192
Longitude:	0740025.58	Dec lat:	40.72827154
Dec lon:	-74.00668962	Coor meth:	U
Coor accr:	H	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	16.57		
Altitude method:	Unknown		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	664.00	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2002-06-25	Ground water data end date:	2005-02-15
Ground water data count:	16		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation			Database	EDR ID Number
C8 **NE** **1/8 - 1/4 Mile** **Higher**	Site ID: Groundwater Flow: Water Table Depth: Date:	16311 NOT REPORTED 4.96-5.92 10/01/92	**AQUIFLOW**	**4531**

C9
NE
1/4 - 1/2 Mile
Higher

FED USGS **USGS2137205**

Agency cd:	USGS	Site no:	404356074002401
Site name:	NY 199		
Latitude:	404356	EDR Site id:	USGS2137205
Longitude:	0740024	Dec lat:	40.73232424
Dec lon:	-74.00625072	Coor meth:	U
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	20.87		
Altitude method:	Unknown		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	644.77	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2002-01-09	Ground water data end date:	2004-04-19
Ground water data count:	13		

Ground-water levels, Number of Measurements: 0

D10
SSE
1/4 - 1/2 Mile
Higher

FED USGS **USGS2137186**

Agency cd:	USGS	Site no:	404334074003001
Site name:	NY 26		
Latitude:	404334	EDR Site id:	USGS2137186
Longitude:	0740030	Dec lat:	40.72621325
Dec lon:	-74.00791743	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	80	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

D11
SSE
1/4 - 1/2 Mile
Higher

FED USGS **USGS2137187**

Agency cd:	USGS	Site no:	404334074003002
Site name:	NY 27		
Latitude:	404334	EDR Site id:	USGS2137187
Longitude:	0740030	Dec lat:	40.72621325
Dec lon:	-74.00791743	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	80	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

D12
SSE **FED USGS** **USGS2137188**
1/4 - 1/2 Mile
Higher

Agency cd:	USGS	Site no:	404334074003003
Site name:	NY 28		
Latitude:	404334	EDR Site id:	USGS2137188
Longitude:	0740030	Dec lat:	40.72621325
Dec lon:	-74.00791743	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
13 **ESE** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS2137191**

Agency cd:	USGS	Site no:	404341074001801
Site name:	NY 57		
Latitude:	404341	EDR Site id:	USGS2137191
Longitude:	0740018	Dec lat:	40.72815766
Dec lon:	-74.004584	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	20		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	65	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

14 **SSE** **1/4 - 1/2 Mile** **Higher**	**FED USGS**	**USGS2137183**

Agency cd:	USGS	Site no:	404328074002201
Site name:	NY 143		
Latitude:	404328	EDR Site id:	USGS2137183
Longitude:	0740022	Dec lat:	40.72454662
Dec lon:	-74.00569514	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported

Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	40	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

E15
North **FED USGS** **USGS2137207**
1/4 - 1/2 Mile
Higher

Agency cd:	USGS	Site no:	404413074003401
Site name:	NY 62		
Latitude:	404413	EDR Site id:	USGS2137207
Longitude:	0740034	Dec lat:	40.73704635
Dec lon:	-74.00902859	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	90	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

F16
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137178**

Agency cd:	USGS	Site no:	404321074003703
Site name:	NY 37		
Latitude:	404321	EDR Site id:	USGS2137178
Longitude:	0740037	Dec lat:	40.72260221
Dec lon:	-74.00986192	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	61	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

F17
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137176**

Agency cd:	USGS	Site no:	404321074003701
Site name:	NY 35		
Latitude:	404321	EDR Site id:	USGS2137176
Longitude:	0740037	Dec lat:	40.72260221
Dec lon:	-74.00986192	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND AND GRAVEL		
Well depth:	39	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

F18
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137177**

Agency cd:	USGS	Site no:	404321074003702
Site name:	NY 36		
Latitude:	404321	EDR Site id:	USGS2137177
Longitude:	0740037	Dec lat:	40.72260221
Dec lon:	-74.00986192	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND AND GRAVEL		
Well depth:	38	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

E19
North
1/2 - 1 Mile
Higher

FED USGS **USGS2137208**

Agency cd:	USGS	Site no:	404415074003201
Site name:	NY 166		
Latitude:	404415	EDR Site id:	USGS2137208
Longitude:	0740032	Dec lat:	40.7376019
Dec lon:	-74.00847302	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	PLEISTOCENE SERIES		
Well depth:	40	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
20 **NNE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2137209**

Agency cd:	USGS	Site no:	404416074002701
Site name:	NY 33		
Latitude:	404416	EDR Site id:	USGS2137209
Longitude:	0740027	Dec lat:	40.73787967
Dec lon:	-74.00708409	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	40	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

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21 **SSE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2137179**

Agency cd:	USGS	Site no:	404323074001701
Site name:	NY 74		
Latitude:	404323	EDR Site id:	USGS2137179
Longitude:	0740017	Dec lat:	40.72315777
Dec lon:	-74.00430621	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported

Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	160	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

F22
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137378**

Agency cd:	USGS	Site no:	404318074003801
Site name:	NY 23		
Latitude:	404318	EDR Site id:	USGS2137378
Longitude:	0740038	Dec lat:	40.72176889
Dec lon:	-74.01013971	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND AND GRAVEL		
Well depth:	35	Hole depth:	Not Reported
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

G23
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS2137377**

Agency cd:	USGS	Site no:	404318074001701
Site name:	NY 13		
Latitude:	404318	EDR Site id:	USGS2137377
Longitude:	0740017	Dec lat:	40.72176891
Dec lon:	-74.00430621	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	55	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

H24
SE
1/2 - 1 Mile
Higher

FED USGS **USGS2855796**

Agency cd:	USGS	Site no:	404320074001201
Site name:	NY 64		
Latitude:	404320	EDR Site id:	USGS2855796
Longitude:	0740012	Dec lat:	40.72232446
Dec lon:	-74.00291728	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	31	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

H25
SE
1/2 - 1 Mile
Higher

FED USGS **USGS2117722**

Agency cd:	USGS	Site no:	404320074001202
Site name:	NY 65		
Latitude:	404320	EDR Site id:	USGS2117722
Longitude:	0740012	Dec lat:	40.72232446
Dec lon:	-74.00291728	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	31	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

I26
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137369**

Agency cd:	USGS	Site no:	404313074003301
Site name:	NY 3		
Latitude:	404313	EDR Site id:	USGS2137369
Longitude:	0740033	Dec lat:	40.72038003
Dec lon:	-74.00875078	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	47	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
I27 **South** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2137373**

Agency cd:	USGS	Site no:	404313074003305
Site name:	NY 7		
Latitude:	404313	EDR Site id:	USGS2137373
Longitude:	0740033	Dec lat:	40.72038003
Dec lon:	-74.00875078	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	44	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

I28 **South** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2137371**

Agency cd:	USGS	Site no:	404313074003303
Site name:	NY 5		
Latitude:	404313	EDR Site id:	USGS2137371
Longitude:	0740033	Dec lat:	40.72038003
Dec lon:	-74.00875078	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported

Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	40	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

I29
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137374**

Agency cd:	USGS	Site no:	404313074003306
Site name:	NY 8		
Latitude:	404313	EDR Site id:	USGS2137374
Longitude:	0740033	Dec lat:	40.72038003
Dec lon:	-74.00875078	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	38	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

I30
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137370**

Agency cd:	USGS	Site no:	404313074003302
Site name:	NY 4		
Latitude:	404313	EDR Site id:	USGS2137370
Longitude:	0740033	Dec lat:	40.72038003
Dec lon:	-74.00875078	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	46	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

I31
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137375**

Agency cd:	USGS	Site no:	404313074003307
Site name:	NY 9		
Latitude:	404313	EDR Site id:	USGS2137375
Longitude:	0740033	Dec lat:	40.72038003
Dec lon:	-74.00875078	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	40	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

I32
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137372**

Agency cd:	USGS	Site no:	404313074003304
Site name:	NY 6		
Latitude:	404313	EDR Site id:	USGS2137372
Longitude:	0740033	Dec lat:	40.72038003
Dec lon:	-74.00875078	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	49	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

I33
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137368**

Agency cd:	USGS	Site no:	404312074003101
Site name:	NY 213		
Latitude:	404312.71	EDR Site id:	USGS2137368
Longitude:	0740031.86	Dec lat:	40.72029948
Dec lon:	-74.0084341	Coor meth:	S
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	18.49		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	525	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2003-08-27	Ground water data end date:	2004-04-19
Ground water data count:	10		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
H34 **SE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2855365**

Agency cd:	USGS	Site no:	404319074000902
Site name:	NY 12		
Latitude:	404319	EDR Site id:	USGS2855365
Longitude:	0740009	Dec lat:	40.72204669
Dec lon:	-74.00208392	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	52	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

H35 **SE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2117705**

Agency cd:	USGS	Site no:	404319074000901
Site name:	NY 11		
Latitude:	404319	EDR Site id:	USGS2117705
Longitude:	0740009	Dec lat:	40.72204669
Dec lon:	-74.00208392	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported

Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	52	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

G36
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS2137376**

Agency cd:	USGS	Site no:	404316074001501
Site name:	NY 95		
Latitude:	404316	EDR Site id:	USGS2137376
Longitude:	0740015	Dec lat:	40.72121337
Dec lon:	-74.00375063	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND AND GRAVEL		
Well depth:	55	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

37
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS2137212**

Agency cd:	USGS	Site no:	404425074002801
Site name:	NY 96		
Latitude:	404425	EDR Site id:	USGS2137212
Longitude:	0740028	Dec lat:	40.74037962
Dec lon:	-74.00736188	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	33	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

38
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137365**

Agency cd:	USGS	Site no:	404310074003901
Site name:	NY 22		
Latitude:	404310	EDR Site id:	USGS2137365
Longitude:	0740039	Dec lat:	40.71954671
Dec lon:	-74.01041749	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	10		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	60	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

39
NE
1/2 - 1 Mile
Higher

FED USGS **USGS2137211**

Agency cd:	USGS	Site no:	404421074000901
Site name:	NY 117		
Latitude:	404421	EDR Site id:	USGS2137211
Longitude:	0740009	Dec lat:	40.73926855
Dec lon:	-74.00208395	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	25		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	39	Hole depth:	40
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

40
SSE **FED USGS** **USGS2137362**
1/2 - 1 Mile
Higher

Agency cd:	USGS	Site no:	404306074002501
Site name:	NY 228		
Latitude:	404306.89	EDR Site id:	USGS2137362
Longitude:	0740025.20	Dec lat:	40.71868285
Dec lon:	-74.00658405	Coor meth:	S
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	11.40		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2004-03-02	Ground water data end date:	2004-04-18
Ground water data count:	3		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
41 **SE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2137175**

Agency cd:	USGS	Site no:	404321073595301
Site name:	NY 232		
Latitude:	404321.90	EDR Site id:	USGS2137175
Longitude:	0735953.89	Dec lat:	40.72285224
Dec lon:	-73.99788658	Coor meth:	S
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	33.47		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	578.00	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2004-02-18	Ground water data end date:	2004-04-19
Ground water data count:	3		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-04-19		2.44	2004-04-05		2.43
2004-02-18		2.76			

42 **SSE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2137363**

Agency cd:	USGS	Site no:	404308074001201
Site name:	NY 149		
Latitude:	404308	EDR Site id:	USGS2137363
Longitude:	0740012	Dec lat:	40.71899119
Dec lon:	-74.00291727	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	20		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	38	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

J43
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS2137182**

Agency cd:	USGS	Site no:	404326073594501
Site name:	NY 119		
Latitude:	404326	EDR Site id:	USGS2137182
Longitude:	0735945	Dec lat:	40.72399111
Dec lon:	-73.99541707	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	BROOKLYN S-25-1	Map scale:	Not Reported
Altitude:	45		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	65	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

44
SE **FED USGS** **USGS2137367**
1/2 - 1 Mile
Higher

Agency cd:	USGS	Site no:	404312073595901
Site name:	NY 216		
Latitude:	404312.58	EDR Site id:	USGS2137367
Longitude:	0735959.32	Dec lat:	40.7202634
Dec lon:	-73.99939495	Coor meth:	S
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	25.61		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	547.40	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2003-11-24	Ground water data end date:	2004-07-26
Ground water data count:	4		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-07-26		1.20	2004-04-21		1.22
2004-02-18		1.26	2003-11-24		1.31

J45
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS2137180**

Agency cd:	USGS	Site no:	404324073594501
Site name:	NY 231		
Latitude:	404324.13	EDR Site id:	USGS2137180
Longitude:	0735945.71	Dec lat:	40.72347167
Dec lon:	-73.99561429	Coor meth:	S
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	42.07		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	570.00	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2004-02-18	Ground water data end date:	2004-04-19
Ground water data count:	3		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-04-19		3.56	2004-04-05		3.65
2004-02-18		3.98			

K46
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137357**

Agency cd:	USGS	Site no:	404301074003802
Site name:	NY 134		
Latitude:	404301	EDR Site id:	USGS2137357
Longitude:	0740038	Dec lat:	40.71704676
Dec lon:	-74.0101397	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	71	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

K47
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137356**

Agency cd:	USGS	Site no:	404301074003801
Site name:	NY 133		
Latitude:	404301	EDR Site id:	USGS2137356
Longitude:	0740038	Dec lat:	40.71704676
Dec lon:	-74.0101397	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	78	Hole depth:	92
Source of depth data:	driller		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

K48
South
1/2 - 1 Mile
Higher

FED USGS **USGS2137358**

Agency cd:	USGS	Site no:	404301074003803
Site name:	NY 135		
Latitude:	404301	EDR Site id:	USGS2137358
Longitude:	0740038	Dec lat:	40.71704676
Dec lon:	-74.0101397	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	15		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	31	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
L49 **SSE** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2137359**

Agency cd:	USGS	Site no:	404302074002401
Site name:	NY 16		
Latitude:	404302	EDR Site id:	USGS2137359
Longitude:	0740024	Dec lat:	40.71732455
Dec lon:	-74.0062507	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	20		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	56	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

L50 **South** **1/2 - 1 Mile** **Higher**	**FED USGS**	**USGS2137355**

Agency cd:	USGS	Site no:	404301074002801
Site name:	NY 142		
Latitude:	404301	EDR Site id:	USGS2137355
Longitude:	0740028	Dec lat:	40.71704677
Dec lon:	-74.00736184	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported

Altitude:	20		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	50	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

51
ESE **FED USGS** **USGS3132171**
1/2 - 1 Mile
Higher

Agency cd:	USGS	Site no:	404334073593601
Site name:	NY 202		
Latitude:	404334.06	EDR Site id:	USGS3132171
Longitude:	0735936.78	Dec lat:	40.72622995
Dec lon:	-73.99313367	Coor meth:	S
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	47.37		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	604	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

L52
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS2137353**

Agency cd:	USGS	Site no:	404259074002301
Site name:	NY 98		
Latitude:	404259	EDR Site id:	USGS2137353
Longitude:	0740023	Dec lat:	40.71649123
Dec lon:	-74.00597291	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	30		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	46	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

53
East
1/2 - 1 Mile
Higher

FED USGS **USGS2117584**

Agency cd:	USGS	Site no:	404339073593301
Site name:	NY 185		
Latitude:	404339	EDR Site id:	USGS2117584
Longitude:	0735933	Dec lat:	40.72760215
Dec lon:	-73.99208364	Coor meth:	U
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	44.19		
Altitude method:	Unknown		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	653.68	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2002-01-09	Ground water data end date:	2004-07-26
Ground water data count:	10		

Ground-water levels, Number of Measurements: 10

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-07-26		5.42	2004-04-21		6.12
2004-02-18		6.60	2003-09-15		6.78
2003-08-27		6.75	2003-06-24		6.48
2002-10-09		5.34	2002-06-25		5.24
2002-04-03		5.37	2002-01-09		5.57

54
SE
1/2 - 1 Mile
Higher

FED USGS **USGS2137361**

Agency cd:	USGS	Site no:	404306073595801
Site name:	NY 229		
Latitude:	404306.47	EDR Site id:	USGS2137361
Longitude:	0735958.85	Dec lat:	40.71856621
Dec lon:	-73.99926439	Coor meth:	S
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported

Altitude:	19.08		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	548.00	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2004-02-18	Ground water data end date:	2004-11-10
Ground water data count:	5		

Ground-water levels, Number of Measurements: 5

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-11-10		1.11	2004-07-26		1.49
2004-04-19		1.36	2004-04-02		1.31
2004-02-18		1.21			

55
ESE **FED USGS** **USGS2117729**
1/2 - 1 Mile
Higher

Agency cd:	USGS	Site no:	404321073594101
Site name:	NY 192		
Latitude:	404321	EDR Site id:	USGS2117729
Longitude:	0735941	Dec lat:	40.72260225
Dec lon:	-73.99430592	Coor meth:	U
Coor accr:	M	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	46.87		
Altitude method:	Unknown		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	675.00	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2002-01-09	Ground water data end date:	2005-02-14
Ground water data count:	19		

Ground-water levels, Number of Measurements: 19

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-14		2.32	2004-11-10		4.52
2004-07-26		4.68	2004-06-28		4.56
2004-04-19		4.32	2004-02-18		4.47
2004-01-07		4.51	2003-11-21		4.40
2003-10-08		4.21	2003-10-01		4.28
2003-10-01		4.25	2003-09-29		4.28
2003-09-17		4.42	2003-08-27		4.63
2003-06-24		4.75	2002-10-09		3.83
2002-06-25		3.71	2002-04-03		3.67
2002-01-09		3.72			

56
SSE **FED USGS** **USGS2137354**
1/2 - 1 Mile
Higher

Agency cd:	USGS	Site no:	404300074001001
Site name:	NY 214		
Latitude:	404300.87	EDR Site id:	USGS2137354
Longitude:	0740010.68	Dec lat:	40.71701068
Dec lon:	-74.00255059	Coor meth:	S
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	19.88		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	545	Hole depth:	Not Reported
Source of depth data:	owner		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	2003-11-12	Ground water data end date:	2005-02-14
Ground water data count:	6		

Ground-water levels, Number of Measurements: 6

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-14		-4.29	2004-11-10		-0.32
2004-07-26		3.17	2004-04-19		-0.17
2004-02-18		-0.29	2003-11-12		-0.01

57
SSE **FED USGS** **USGS2137352**
1/2 - 1 Mile
Higher

Agency cd:	USGS	Site no:	404258074002101
Site name:	NY 101		
Latitude:	404258	EDR Site id:	USGS2137352
Longitude:	0740021	Dec lat:	40.71621346
Dec lon:	-74.00541734	Coor meth:	M
Coor accr:	R	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	061
Country:	US	Land net:	Not Reported
Location map:	JERSEY CITY S-24-2	Map scale:	Not Reported
Altitude:	35		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SAND		
Well depth:	51	Hole depth:	Not Reported
Source of depth data:	other reported		
Project number:	Not Reported		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance	Database	EDR ID Number

A1
ESE
1/8 - 1/4 Mile

OIL_GAS **NYOG70000000095**

Api wellno:	31061210790000	Cnty:	New York
Hole:	21079	Sidetrck:	0
Completion:	0		
Well nm:	Hudson St. - B		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	08/12/2004	Dt spud:	01/14/2004
Dt comp:	02/06/2004	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00683		
Yloc:	40.72888		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Newark	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	Not Reported
Dt mod:	02/14/2006	Site id:	NYOG70000000095

A2
ESE
1/8 - 1/4 Mile

OIL_GAS **NYOG70000000093**

Api wellno:	31061210780000	Cnty:	New York
Hole:	21078	Sidetrck:	0
Completion:	0		
Well nm:	Houston St. - A		
Coname:	U.S. Geological Survey		
Opno:	2370		
Dt approv:	06/30/2004	Dt spud:	03/06/2002
Dt comp:	04/12/2002	Well typ:	Stratigraphic
Dtd:	664		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00649		
Yloc:	40.72876		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Manhattan Schist	Elevation:	0
Dt mod:	06/26/2009	Site id:	NYOG70000000093

3
NE
1/4 - 1/2 Mile

OIL_GAS **NYOG70000000097**

Api wellno:	31061210800000	Cnty:	New York
Hole:	21080	Sidetrck:	0
Completion:	0		
Well nm:	Grove St - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	07/23/2004	Dt spud:	09/07/2004
Dt comp:	05/19/2001	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00632		
Yloc:	40.73223		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Manhattan Schist	Elevation:	18
Dt mod:	12/28/2005	Site id:	NYOG70000000097

B4
South **OIL_GAS** **NYOG70000000086**
1/4 - 1/2 Mile

Api wellno:	31061237580000	Cnty:	New York
Hole:	23758	Sidetrck:	0
Completion:	0		
Well nm:	W-3		
Coname:	471 Washington Street Partners		
Opno:	2371		
Dt approv:	03/12/2007	Dt spud:	07/27/2007
Dt comp:	10/12/2007	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-74.00988		
Yloc:	40.72503		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Confidential	Elevation:	10
Dt mod:	12/06/2007	Site id:	NYOG70000000086

B5
South **OIL_GAS** **NYOG70000000087**
1/4 - 1/2 Mile

Api wellno:	31061237580001	Cnty:	New York
Hole:	23758	Sidetrck:	0
Completion:	1		
Well nm:	W-3		
Coname:	471 VE LLC		
Opno:	2565		
Dt approv:	01/16/2008	Dt spud:	03/10/2008
Dt comp:	05/20/2008	Well typ:	Not Listed
Dtd:	1530		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-74.00988		
Yloc:	40.72503		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	10
Dt mod:	01/18/2011	Site id:	NYOG70000000087

B7
South **OIL_GAS** **NYOG70000000084**
1/4 - 1/2 Mile

Api wellno:	31061237570001	Cnty:	New York
Hole:	23757	Sidetrck:	0
Completion:	1		
Well nm:	W-2		
Coname:	471 VE LLC		
Opno:	2565		
Dt approv:	01/16/2008	Dt spud:	02/13/2008
Dt comp:	04/23/2008	Well typ:	Not Listed
Dtd:	1530		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00995		
Yloc:	40.72492		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	10
Dt mod:	01/18/2011	Site id:	NYOG70000000084

B6
South **OIL_GAS** **NYOG70000000083**
1/4 - 1/2 Mile

Api wellno:	31061237570000	Cnty:	New York
Hole:	23757	Sidetrck:	0
Completion:	0		
Well nm:	W-2		
Coname:	471 Washington Street Partners		
Opno:	2371		
Dt approv:	03/12/2007	Dt spud:	07/27/2007
Dt comp:	10/12/2007	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-74.00995		
Yloc:	40.72492		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Confidential	Elevation:	10
Dt mod:	12/06/2007	Site id:	NYOG70000000083

Map ID Direction Distance	Database	EDR ID Number

B8
South
1/4 - 1/2 Mile

OIL_GAS **NYOG70000000082**

Api wellno:	31061237560001	Cnty:	New York
Hole:	23756	Sidetrck:	0
Completion:	1		
Well nm:	W-1		
Coname:	471 VE LLC		
Opno:	2565		
Dt approv:	01/16/2008	Dt spud:	02/28/2008
Dt comp:	05/06/2008	Well typ:	Not Listed
Dtd:	1525		
Wl status:	Temporarily Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00997		
Yloc:	40.72475		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	10
Dt mod:	05/09/2011	Site id:	NYOG70000000082

B9
South
1/4 - 1/2 Mile

OIL_GAS **NYOG70000000081**

Api wellno:	31061237560000	Cnty:	New York
Hole:	23756	Sidetrck:	0
Completion:	0		
Well nm:	W-1		
Coname:	471 Washington Street Partners		
Opno:	2371		
Dt approv:	03/12/2007	Dt spud:	07/27/2007
Dt comp:	10/12/2007	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-74.00985		
Yloc:	40.72472		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Confidential	Elevation:	10
Dt mod:	12/06/2007	Site id:	NYOG70000000081

10
SSE
1/4 - 1/2 Mile

OIL_GAS **NYOG70000000085**

Api wellno:	31061237480000	Cnty:	New York
Hole:	23748	Sidetrck:	0
Completion:	0		
Well nm:	Broome - 1		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	01/29/2007	Dt spud:	08/12/1997
Dt comp:	08/26/1997	Well typ:	Stratigraphic
Dtd:	567		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist
Xloc:	-74.00784		
Yloc:	40.72494		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	07/20/2007	Site id:	NYOG70000000085

11
NE **OIL_GAS** **NYOG70000000098**
1/4 - 1/2 Mile

Api wellno:	31061237490000	Cnty:	New York
Hole:	23749	Sidetrck:	0
Completion:	0		
Well nm:	Charles - 1		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	01/29/2007	Dt spud:	07/27/1997
Dt comp:	08/11/1997	Well typ:	Stratigraphic
Dtd:	576		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist
Xloc:	-74.00602		
Yloc:	40.73455		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	07/20/2007	Site id:	NYOG70000000098

12
NNE **OIL_GAS** **NYOG70000000103**
1/2 - 1 Mile

Api wellno:	31061237370000	Cnty:	New York
Hole:	23737	Sidetrck:	0
Completion:	0		
Well nm:	W12 St - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	01/29/2007	Dt spud:	06/25/1997
Dt comp:	07/16/1997	Well typ:	Confidential
Dtd:	576		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential

Xloc:	-74.00559		
Yloc:	40.73729		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Confidential	Elevation:	Not Reported
Dt mod:	07/19/2007	Site id:	NYOG70000000103

13
NE
1/2 - 1 Mile

OIL_GAS **NYOG70000000099**

Api wellno:	31061237870000	Cnty:	New York
Hole:	23787	Sidetrck:	0
Completion:	0		
Well nm:	1		
Coname:	Perry Street Associates, LLC		
Opno:	2459		
Dt approv:	07/21/2008	Dt spud:	09/24/2008
Dt comp:	11/19/2008	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-74.00241		
Yloc:	40.73567		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Confidential	Elevation:	15
Dt mod:	01/26/2010	Site id:	NYOG70000000099

C14
South
1/2 - 1 Mile

OIL_GAS **NYOG70000000069**

Api wellno:	31061237540000	Cnty:	New York
Hole:	23754	Sidetrck:	0
Completion:	0		
Well nm:	Holland - 2		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	01/29/2007	Dt spud:	07/15/1996
Dt comp:	07/29/1996	Well typ:	Stratigraphic
Dtd:	541		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00808		
Yloc:	40.72171		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	07/20/2007	Site id:	NYOG70000000069

Map ID Direction Distance	Database	EDR ID Number

C15
South
1/2 - 1 Mile

OIL_GAS **NYOG70000000068**

Api wellno:	31061237530000	Cnty:	New York
Hole:	23753	Sidetrck:	0
Completion:	0		
Well nm:	Holland - 1		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	01/29/2007	Dt spud:	06/24/1996
Dt comp:	07/11/1996	Well typ:	Stratigraphic
Dtd:	542		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist
Xloc:	-74.00807		
Yloc:	40.72161		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	07/20/2007	Site id:	NYOG70000000068

D16
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000091**

Api wellno:	31061210410000	Cnty:	New York
Hole:	21041	Sidetrck:	0
Completion:	0		
Well nm:	534 LaGuardia Place AIA 2		
Coname:	Amer. Institute of Architects NY Chapter		
Opno:	2154		
Dt approv:	04/09/2003	Dt spud:	05/05/2003
Dt comp:	05/05/2003	Well typ:	Geothermal
Dtd:	1250		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99843		
Yloc:	40.72866		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	36
Dt mod:	07/08/2009	Site id:	NYOG70000000091

D17
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000094**

Api wellno:	31061210400000	Cnty:	New York
Hole:	21040	Sidetrck:	0
Completion:	0		
Well nm:	534 LaGuardia Place AIA 1		
Coname:	Amer. Institute of Architects NY Chapter		
Opno:	2154		
Dt approv:	04/08/2003	Dt spud:	04/23/2003
Dt comp:	05/16/2003	Well typ:	Geothermal
Dtd:	1250		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99833		
Yloc:	40.72879		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	36
Dt mod:	07/08/2009	Site id:	NYOG70000000094

18
South **OIL_GAS** **NYOG70000000067**
1/2 - 1 Mile

Api wellno:	31061210440000	Cnty:	New York
Hole:	21044	Sidetrck:	0
Completion:	0		
Well nm:	Ericsson A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	04/16/2003	Dt spud:	05/29/2003
Dt comp:	06/25/2003	Well typ:	Stratigraphic
Dtd:	529		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00825		
Yloc:	40.72018		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Manhattan Schist	Elevation:	15
Dt mod:	04/18/2006	Site id:	NYOG70000000067

E19
NNE **OIL_GAS** **NYOG70000000108**
1/2 - 1 Mile

Api wellno:	31061210810000	Cnty:	New York
Hole:	21081	Sidetrck:	0
Completion:	0		
Well nm:	Gans St - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	08/12/2004	Dt spud:	08/06/2004
Dt comp:	08/26/2004	Well typ:	Stratigraphic
Dtd:	590		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-74.0051		
Yloc:	40.73937		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Manhattan Schist	Elevation:	-20
Dt mod:	10/26/2005	Site id:	NYOG70000000108

E20
NNE **OIL_GAS** **NYOG70000000109**
1/2 - 1 Mile

Api wellno:	31061210820000	Cnty:	New York
Hole:	21082	Sidetrck:	0
Completion:	0		
Well nm:	Gans St - B		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	08/12/2004	Dt spud:	08/26/2004
Dt comp:	09/13/2004	Well typ:	Stratigraphic
Dtd:	590		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00489		
Yloc:	40.73938		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	20
Dt mod:	04/26/2006	Site id:	NYOG70000000109

E21
NNE **OIL_GAS** **NYOG70000000110**
1/2 - 1 Mile

Api wellno:	31061237380000	Cnty:	New York
Hole:	23738	Sidetrck:	0
Completion:	0		
Well nm:	W13 St - B		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	01/29/2007	Dt spud:	06/19/1996
Dt comp:	07/10/1996	Well typ:	Stratigraphic
Dtd:	573		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist
Xloc:	-74.00589		
Yloc:	40.74002		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	17
Dt mod:	10/30/2007	Site id:	NYOG70000000110

Map ID Direction Distance	Database	EDR ID Number

E22
NNE
1/2 - 1 Mile

OIL_GAS **NYOG70000000111**

Api wellno:	31061237390000	Cnty:	New York
Hole:	23739	Sidetrck:	0
Completion:	0		
Well nm:	W13 St - C		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	01/29/2007	Dt spud:	07/10/1996
Dt comp:	07/30/1996	Well typ:	Stratigraphic
Dtd:	577		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	North Collins	Prodform:	Manhattan Schist
Xloc:	-74.00586		
Yloc:	40.74007		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	17
Dt mod:	10/30/2007	Site id:	NYOG70000000111

F23
North
1/2 - 1 Mile

OIL_GAS **NYOG70000000112**

Api wellno:	31061236750000	Cnty:	New York
Hole:	23675	Sidetrck:	0
Completion:	0		
Well nm:	GW-1		
Coname:	Diane Von Furstenberg Studio, L.P.		
Opno:	2293		
Dt approv:	05/03/2006	Dt spud:	07/05/2006
Dt comp:	01/26/2007	Well typ:	Geothermal
Dtd:	1300		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00725		
Yloc:	40.74146		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	12
Dt mod:	02/10/2009	Site id:	NYOG70000000112

F24
NNE
1/2 - 1 Mile

OIL_GAS **NYOG70000000113**

Api wellno:	31061236760000	Cnty:	New York
Hole:	23676	Sidetrck:	0
Completion:	0		
Well nm:	GW-2		
Coname:	Diane Von Furstenberg Studio, L.P.		
Opno:	2293		
Dt approv:	05/03/2006	Dt spud:	06/28/2006
Dt comp:	01/25/2007	Well typ:	Geothermal
Dtd:	1500		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00717		
Yloc:	40.74158		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	12
Dt mod:	02/10/2009	Site id:	NYOG70000000113

F25
North **OIL_GAS** **NYOG70000000114**
1/2 - 1 Mile

Api wellno:	31061236770000	Cnty:	New York
Hole:	23677	Sidetrck:	0
Completion:	0		
Well nm:	GW-3		
Coname:	Diane Von Furstenberg Studio, L.P.		
Opno:	2293		
Dt approv:	05/03/2006	Dt spud:	07/10/2006
Dt comp:	01/26/2007	Well typ:	Geothermal
Dtd:	1350		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00731		
Yloc:	40.74164		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	12
Dt mod:	02/10/2009	Site id:	NYOG70000000114

26
SSE **OIL_GAS** **NYOG70000000061**
1/2 - 1 Mile

Api wellno:	31061210610000	Cnty:	New York
Hole:	21061	Sidetrck:	0
Completion:	0		
Well nm:	Franklin St. - B		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	12/31/2003	Dt spud:	01/19/2004
Dt comp:	02/20/2004	Well typ:	Stratigraphic
Dtd:	555		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-74.00644		
Yloc:	40.71861		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	30
Dt mod:	04/24/2006	Site id:	NYOG70000000061

27
SE **OIL_GAS** **NYOG70000000070**
1/2 - 1 Mile

Api wellno:	31061210600000	Cnty:	New York
Hole:	21060	Sidetrck:	0
Completion:	0		
Well nm:	Crosby St. - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	12/10/2003	Dt spud:	01/26/2004
Dt comp:	02/06/2004	Well typ:	Stratigraphic
Dtd:	578		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99776		
Yloc:	40.72256		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	35
Dt mod:	04/24/2006	Site id:	NYOG70000000070

28
East **OIL_GAS** **NYOG70000000092**
1/2 - 1 Mile

Api wellno:	31061236050000	Cnty:	New York
Hole:	23605	Sidetrck:	0
Completion:	0		
Well nm:	Prince St. - A		
Coname:	U.S. Geological Survey		
Opno:	2370		
Dt approv:	01/28/2005	Dt spud:	03/21/2001
Dt comp:	04/10/2001	Well typ:	Stratigraphic
Dtd:	665		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99397		
Yloc:	40.72871		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	None Specified	Elevation:	0
Dt mod:	06/26/2009	Site id:	NYOG70000000092

Map ID Direction Distance	Database	EDR ID Number

G29
NE
1/2 - 1 Mile

OIL_GAS **NYOG70000000106**

Api wellno:	31061237260000	Cnty:	New York
Hole:	23726	Sidetrck:	0
Completion:	0		
Well nm:	Valhalla 1		
Coname:	Terrapin Industries, LLC		
Opno:	2356		
Dt approv:	01/11/2007	Dt spud:	02/27/2007
Dt comp:	03/12/2007	Well typ:	Geothermal
Dtd:	640		
Wl status:	Inactive	Town:	Manhattan
Field:	Not Applicable	Prodform:	Unknown
Xloc:	-73.99751		
Yloc:	40.73852		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	18
Dt mod:	07/06/2009	Site id:	NYOG70000000106

G30
NE
1/2 - 1 Mile

OIL_GAS **NYOG70000000105**

Api wellno:	31061237270000	Cnty:	New York
Hole:	23727	Sidetrck:	0
Completion:	0		
Well nm:	Valhalla 2		
Coname:	Terrapin Industries, LLC		
Opno:	2356		
Dt approv:	01/11/2007	Dt spud:	03/12/2007
Dt comp:	03/16/2007	Well typ:	Geothermal
Dtd:	960		
Wl status:	Inactive	Town:	Manhattan
Field:	Not Applicable	Prodform:	Unknown
Xloc:	-73.99745		
Yloc:	40.73849		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	18
Dt mod:	07/06/2009	Site id:	NYOG70000000105

H31
South
1/2 - 1 Mile

OIL_GAS **NYOG70000000057**

Api wellno:	31061210250000	Cnty:	New York
Hole:	21025	Sidetrck:	0
Completion:	0		
Well nm:	156 Reade St. NY-302		
Coname:	Abdalla, Susan		
Opno:	2376		
Dt approv:	12/01/2000	Dt spud:	01/24/2001
Dt comp:	01/27/2001	Well typ:	Geothermal
Dtd:	1100		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00864		
Yloc:	40.71732		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	11
Dt mod:	07/08/2009	Site id:	NYOG70000000057

32
NNE **OIL_GAS** **NYOG70000000115**
1/2 - 1 Mile

Api wellno:	31061236890000	Cnty:	New York
Hole:	23689	Sidetrck:	0
Completion:	0		
Well nm:	Geothermal 1		
Coname:	Chelsea Ventura LLC		
Opno:	2304		
Dt approv:	04/26/2006	Dt spud:	01/09/2006
Dt comp:	03/09/2006	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-74.00329		
Yloc:	40.7419		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Confidential	Elevation:	15
Dt mod:	09/08/2008	Site id:	NYOG70000000115

H33
South **OIL_GAS** **NYOG70000000056**
1/2 - 1 Mile

Api wellno:	31061210290000	Cnty:	New York
Hole:	21029	Sidetrck:	0
Completion:	0		
Well nm:	333 Greenwich St. NY-303		
Coname:	Downtown Greenwich LLC		
Opno:	2043		
Dt approv:	12/01/2000	Dt spud:	01/29/2001
Dt comp:	03/23/2001	Well typ:	Geothermal
Dtd:	40		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-74.00858		
Yloc:	40.71722		
Confid:	Well does not have confidential information.		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	11
Dt mod:	10/30/2006	Site id:	NYOG70000000056

I34
SE
1/2 - 1 Mile **OIL_GAS** **NYOG70000000066**

Api wellno:	31061210510000	Cnty:	New York
Hole:	21051	Sidetrck:	0
Completion:	0		
Well nm:	Grand St. - B		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	09/18/2003	Dt spud:	10/06/2003
Dt comp:	10/17/2003	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99919		
Yloc:	40.72017		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Not Applicable	Elevation:	25.2
Dt mod:	04/20/2006	Site id:	NYOG70000000066

I35
SE
1/2 - 1 Mile **OIL_GAS** **NYOG70000000065**

Api wellno:	31061210570000	Cnty:	New York
Hole:	21057	Sidetrck:	0
Completion:	0		
Well nm:	Grand St. - C		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	12/10/2003	Dt spud:	01/19/2004
Dt comp:	02/20/2004	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Expired Permit	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99926		
Yloc:	40.72008		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	25.2
Dt mod:	10/26/2005	Site id:	NYOG70000000065

Map ID Direction Distance	Database	EDR ID Number

H36
South
1/2 - 1 Mile

OIL_GAS **NYOG70000000053**

Api wellno:	31061237510000	Cnty:	New York
Hole:	23751	Sidetrck:	0
Completion:	0		
Well nm:	Duane - 1		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	01/29/2007	Dt spud:	02/25/1997
Dt comp:	03/17/1997	Well typ:	Stratigraphic
Dtd:	566		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist
Xloc:	-74.0092		
Yloc:	40.71709		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	07/20/2007	Site id:	NYOG70000000053

H37
South
1/2 - 1 Mile

OIL_GAS **NYOG70000000050**

Api wellno:	31061210270000	Cnty:	New York
Hole:	21027	Sidetrck:	0
Completion:	0		
Well nm:	150 Reade St. NY-304		
Coname:	Downtown Development LLC		
Opno:	2044		
Dt approv:	12/01/2000	Dt spud:	02/23/2001
Dt comp:	03/09/2001	Well typ:	Geothermal
Dtd:	1100		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00875		
Yloc:	40.71708		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	11
Dt mod:	11/29/2005	Site id:	NYOG70000000050

H38
South
1/2 - 1 Mile

OIL_GAS **NYOG70000000051**

Api wellno:	31061210280000	Cnty:	New York
Hole:	21028	Sidetrck:	0
Completion:	0		
Well nm:	152 Reade St. NY-300		
Coname:	Downtown Development LLC		
Opno:	2044		
Dt approv:	12/01/2000	Dt spud:	01/29/2001
Dt comp:	02/05/2001	Well typ:	Geothermal
Dtd:	1100		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00866		
Yloc:	40.71708		
Confid:	Well does not have confidential information.		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	11
Dt mod:	11/29/2005	Site id:	NYOG70000000051

H39
South **OIL_GAS** **NYOG70000000052**
1/2 - 1 Mile

Api wellno:	31061210260000	Cnty:	New York
Hole:	21026	Sidetrck:	0
Completion:	0		
Well nm:	148 Reade St. NY-305		
Coname:	Merrin, Alfred and Venessa		
Opno:	2097		
Dt approv:	12/01/2000	Dt spud:	02/19/2001
Dt comp:	02/22/2001	Well typ:	Geothermal
Dtd:	1100		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00857		
Yloc:	40.71708		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	11
Dt mod:	07/08/2009	Site id:	NYOG70000000052

40
ESE **OIL_GAS** **NYOG70000000079**
1/2 - 1 Mile

Api wellno:	31061210620000	Cnty:	New York
Hole:	21062	Sidetrck:	0
Completion:	0		
Well nm:	Mulberry St. - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	12/31/2003	Dt spud:	01/26/2004
Dt comp:	02/10/2004	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-73.99553		
Yloc:	40.72327		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	40
Dt mod:	04/24/2006	Site id:	NYOG70000000079

41
SSE **OIL_GAS** **NYOG70000000060**
1/2 - 1 Mile

Api wellno:	31061210630000	Cnty:	New York
Hole:	21063	Sidetrck:	0
Completion:	0		
Well nm:	Walker St. - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	12/31/2003	Dt spud:	01/20/2004
Dt comp:	02/06/2004	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Expired Permit	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00196		
Yloc:	40.71842		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	20
Dt mod:	07/19/2006	Site id:	NYOG70000000060

42
ESE **OIL_GAS** **NYOG70000000088**
1/2 - 1 Mile

Api wellno:	31061210900000	Cnty:	New York
Hole:	21090	Sidetrck:	0
Completion:	0		
Well nm:	Bond St - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	01/29/2007	Dt spud:	10/18/2002
Dt comp:	11/13/2002	Well typ:	Stratigraphic
Dtd:	604		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99312		
Yloc:	40.72623		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Not Reported	Quadsec:	Not Reported
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	01/24/2007	Site id:	NYOG70000000088

Map ID Direction Distance	Database	EDR ID Number

J44
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000074**

Api wellno:	31061237280001	Cnty:	New York
Hole:	23728	Sidetrck:	0
Completion:	1		
Well nm:	Geothermal 1		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	05/07/2008	Dt spud:	07/22/2008
Dt comp:	10/15/2008	Well typ:	Not Listed
Dtd:	0		
Wl status:	Cancelled	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99394		
Yloc:	40.72301		
Confid:	Not Reported		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	42
Dt mod:	07/23/2008	Site id:	NYOG70000000074

J43
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000073**

Api wellno:	31061237280000	Cnty:	New York
Hole:	23728	Sidetrck:	0
Completion:	0		
Well nm:	Geothermal 1		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	08/20/2007	Dt spud:	05/30/2007
Dt comp:	06/14/2007	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.99394		
Yloc:	40.72301		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Confidential	Elevation:	42
Dt mod:	04/24/2008	Site id:	NYOG70000000073

45
SSE
1/2 - 1 Mile

OIL_GAS **NYOG70000000054**

Api wellno:	31061210430000	Cnty:	New York
Hole:	21043	Sidetrck:	0
Completion:	0		
Well nm:	Franklin St. - A		
Coname:	U.S. Geological Survey		
Opno:	2370		
Dt approv:	04/16/2003	Dt spud:	08/26/2003
Dt comp:	09/11/2003	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00235		
Yloc:	40.71709		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Fordham Gneiss	Elevation:	25
Dt mod:	06/26/2009	Site id:	NYOG70000000054

J46
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000077**

Api wellno:	31061237300000	Cnty:	New York
Hole:	23730	Sidetrck:	0
Completion:	0		
Well nm:	Geothermal 3		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	08/20/2007	Dt spud:	05/30/2007
Dt comp:	06/14/2007	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.9937		
Yloc:	40.7232		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Confidential	Elevation:	42
Dt mod:	04/24/2008	Site id:	NYOG70000000077

J47
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000078**

Api wellno:	31061237300001	Cnty:	New York
Hole:	23730	Sidetrck:	0
Completion:	1		
Well nm:	Geothermal 3		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	05/07/2008	Dt spud:	07/22/2008
Dt comp:	10/15/2008	Well typ:	Not Listed
Dtd:	0		
Wl status:	Cancelled	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-73.9937		
Yloc:	40.7232		
Confid:	Not Reported		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	42
Dt mod:	07/23/2008	Site id:	NYOG70000000078

J48
ESE **OIL_GAS** **NYOG70000000075**
1/2 - 1 Mile

Api wellno:	31061237310000	Cnty:	New York
Hole:	23731	Sidetrck:	0
Completion:	0		
Well nm:	Geothermal 4		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	08/20/2007	Dt spud:	05/30/2007
Dt comp:	06/14/2007	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.99363		
Yloc:	40.72308		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Confidential	Elevation:	42
Dt mod:	04/24/2008	Site id:	NYOG70000000075

J49
ESE **OIL_GAS** **NYOG70000000076**
1/2 - 1 Mile

Api wellno:	31061237310001	Cnty:	New York
Hole:	23731	Sidetrck:	0
Completion:	1		
Well nm:	Geothermal 4		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	05/07/2008	Dt spud:	07/22/2008
Dt comp:	10/15/2008	Well typ:	Not Listed
Dtd:	0		
Wl status:	Cancelled	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99363		
Yloc:	40.72308		
Confid:	Not Reported		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	42
Dt mod:	07/23/2008	Site id:	NYOG70000000076

Map ID Direction Distance	Database	EDR ID Number

K51
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000090**

Api wellno:	31061210890000	Cnty:	New York
Hole:	21089	Sidetrck:	0
Completion:	0		
Well nm:	31 B-1		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	07/23/2004	Dt spud:	02/27/2001
Dt comp:	01/31/2002	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99156		
Yloc:	40.72737		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	0
Dt mod:	04/26/2006	Site id:	NYOG70000000090

K50
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000089**

Api wellno:	31061210670000	Cnty:	New York
Hole:	21067	Sidetrck:	0
Completion:	0		
Well nm:	31 B-2		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	12/31/2003	Dt spud:	01/26/2004
Dt comp:	02/10/2004	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Cancelled	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99156		
Yloc:	40.72737		
Confid:	Released		
Wellst:	Storage Well		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	42
Dt mod:	12/11/2006	Site id:	NYOG70000000089

J53
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000072**

Api wellno:	31061237290001	Cnty:	New York
Hole:	23729	Sidetrck:	0
Completion:	1		
Well nm:	Geothermal 2		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	05/07/2008	Dt spud:	07/22/2008
Dt comp:	10/15/2008	Well typ:	Not Listed
Dtd:	0		
Wl status:	Cancelled	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99365		
Yloc:	40.72294		
Confid:	Not Reported		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	42
Dt mod:	07/23/2008	Site id:	NYOG70000000072

J52
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000071**

Api wellno:	31061237290000	Cnty:	New York
Hole:	23729	Sidetrck:	0
Completion:	0		
Well nm:	Geothermal 2		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	08/20/2007	Dt spud:	05/30/2007
Dt comp:	06/14/2007	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.99365		
Yloc:	40.72294		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Confidential	Elevation:	42
Dt mod:	04/24/2008	Site id:	NYOG70000000071

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
NEW YORK	NYC (BRONX)	91	1.59	0.85	16
NEW YORK	NYC (KINGS)	416	1.93	1.19	28.2
NEW YORK	NYC (NEW YORK)	108	2.15	0.98	49.5
NEW YORK	NYC (QUEENS)	501	1.24	0.77	23.8
NEW YORK	NYC (RICHMOND)	225	1.44	0.76	14.1

Federal EPA Radon Zone for NEW YORK County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX E
FREEDOM OF INFORMATION ACT REQUESTS AND RESPONSES

March 12, 2013

Fire Department, City of New York
Bureau of Revenue Management
9 MetroTech East
Brooklyn, New York 11201-3857

Re: Freedom of Information Request
355 West Street, Block 601, Lot 1
357 West Street, Block 601, Lot 4
358 West Street, Block 601, Lot 5
359 West Street, Block 601, Lot 8
156 Leroy Street, Block 601, Lot 10
New York, New York 10014
Langan Project No.: 170215701

Dear Sir or Madam:

Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Langan is requesting any information or copies of files regarding environmental conditions on the above properties, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LTANKs), asbestos abatement, and any other environmental reports that your department may have.

The subject properties are **355 West Street (Block 601, Lot 1), 357 West Street (Block 601, Lot 4), 358 West Street (Block 601, Lot 5), 359 West Street (Block 601, Lot 8), and 156 Leroy Street (Block 601 Lot 10)** in New York, New York.

Please contact me at 212-479-5476 or send your response to my attention at gwyka@langan.com or at the below address:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Gregory C. Wyka
Senior Staff Geologist

March 12, 2013

Attn: Records Access Officer
New York City Department of Environmental Protection
Bureau of Legal Affairs
59-17 Junction Boulevard, 19th Floor
Corona, New York 11368

Re: Freedom of Information Request
355 West Street, Block 601, Lot 1
357 West Street, Block 601, Lot 4
358 West Street, Block 601, Lot 5
359 West Street, Block 601, Lot 8
156 Leroy Street, Block 601, Lot 10
New York, New York 10014
Langan Project No.: 170215701

Dear Sir or Madam:

Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Langan is requesting any information or copies of files regarding environmental conditions on the above properties, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LTANKs), asbestos abatement, and any other environmental reports that your department may have.

The subject properties are **355 West Street (Block 601, Lot 1), 357 West Street (Block 601, Lot 4), 358 West Street (Block 601, Lot 5), 359 West Street (Block 601, Lot 8), and 156 Leroy Street (Block 601 Lot 10)** in New York, New York.

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Gregory C. Wyka
Senior Staff Geologist

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 6 - New York State Public Officers Law, Freedom of Information Law

Complete Part 1 of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Send the complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373 or fax to (718) 595-6543

PART I. APPLICATION - Check Bureau(s) known or believed to have the record(s):

- ☐ Executive
- ☐ General Counsel
- ☐ Agency Chief Contracting Office
- ☐ Bureau of Customer Services (Water Bills)
- ☑ Bureau of Environmental Compliance
- ☑ Asbestos
- ☑ Hazardous Materials
- ☐ Air & Noise
- ☐ Environmental Control Board
- ☑ Bureau of Environmental Engineering
- ☑ Office of Environmental Planning and Assessment
- ☐ Bureau of Wastewater Treatment
- ☐ Sewer discharge violations
- ☐ Bureau of Water and Sewer Operations
- ☐ Water Records
- ☐ Sewer Records
- ☐ Bureau of Water Supply
- ☐ Water Quality
- ☐ DEP Police
- ☐ _____

I hereby apply to ❍ inspect or ◉ receive copies of the following records (use additional sheets as needed and attach):
355 West Street (Tax Block 601, Lot 1), 357 West Street (Tax Block 601, Lot 4), 358 West Street (Tax Block 601, Lot 5), 359 West Street (Tax Block 601, Lot 8), and 156 Leroy Street (Tax Block 601, Lot 10) New York, New York

Name: Greg Wycka Phone: (212) 479-5476 E-Mail: gwycka@langan.com
Firm: Langan Engineering, Environmental, Surveying and Landscaping Architecture, D.P.C.
Address: 360 West 31st Street, 8th Floor, New York, NY 10001
Signature: Gregory Wycka Date: 3/12/13

PART II. DISPOSITION OF REQUEST (*TO BE COMPLETED BY THE DEPARTMENT*)

• •**APPROVED** • **APPROVED IN PART** - - To arrange for access to the records, please contact:

_____ _____ _____
(Department Representative) (Bureau) (Phone No.)

Number of Pages:_____ x$.25 per page = Cost:_____

• •**DENIED** • •**DENIED IN PART** - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.

- ☐ Exempt: State/Fed. Statute (2(a))
- ☐ Invasion of personal privacy (2(b))
- ☐ Competitive position injury (2(d))
- ☐ Exempt: Law Enforcement (2(e))
- ☐ Inter/Intra-agency material (2(g))
- ☐ (Other)_____

Brief Description of records not subject to disclosure_____

A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

☐ **UNAVAILABLE** - - for reason(s) checked:

- Not described in sufficient detail
- Not maintained by this Department
- After search, no records responsive to request located
- (Other)_____

LOG NO.:_____

(Department Representative) **(Bureau)** **(Date)**

• • •Fee Waived • • •Check/M.O. received • • •Check/M.O. requested DOC# 050303

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 6 - New York State Public Officers Law, Freedom of Information Law

Complete Part 1 of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Send the complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373 or fax to (718) 595-6543

PART I. APPLICATION - Check Bureau(s) known or believed to have the record(s):

- ☐ Executive
- ☐ General Counsel
- ☐ Agency Chief Contracting Office
- ☐ Bureau of Customer Services (Water Bills)
- ☑ Bureau of Environmental Compliance
- ☑ Asbestos
- ☑ Hazardous Materials
- ☐ Air & Noise
- ☐ Environmental Control Board
- ☑ Bureau of Environmental Engineering
- ☑ Office of Environmental Planning and Assessment
- ☐ Bureau of Wastewater Treatment
- ☐ Sewer discharge violations
- ☐ Bureau of Water and Sewer Operations
- ☐ Water Records
- ☐ Sewer Records
- ☐ Bureau of Water Supply
- ☐ Water Quality
- ☐ DEP Police
- ☐ _____

I hereby apply to ❍ inspect or ◉ receive copies of the following records (use additional sheets as needed and attach):
355 West Street (Tax Block 601, Lot 1), 357 West Street (Tax Block 601, Lot 4), 358 West Street (Tax Block 601, Lot 5), 359 West Street (Tax Block 601, Lot 8), and 156 Leroy Street (Tax Block 601, Lot 10) New York, New York

Name: Greg Wycka Phone: (212) 479-5476 E-Mail: gwycka@langan.com
Firm: Langan Engineering, Environmental, Surveying and Landscaping Architecture, D.P.C.
Address: 360 West 31st Street, 8th Floor, New York, NY 10001
Signature: Gregory Wycka Date: 3/12/13

PART II. DISPOSITION OF REQUEST (*TO BE COMPLETED BY THE DEPARTMENT*)

• •**APPROVED** • **APPROVED IN PART** - - To arrange for access to the records, please contact:

_____ _____ _____
(Department Representative) (Bureau) (Phone No.)

Number of Pages:_____ x$.25 per page = Cost:_____

• •**DENIED** • •**DENIED IN PART** - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.

- ☐ Exempt: State/Fed. Statute (2(a))
- ☐ Invasion of personal privacy (2(b))
- ☐ Competitive position injury (2(d))
- ☐ Exempt: Law Enforcement (2(e))
- ☐ Inter/Intra-agency material (2(g))
- ☐ (Other)_____

Brief Description of records not subject to disclosure_____

A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

☐ **UNAVAILABLE** - - for reason(s) checked:

- Not described in sufficient detail
- Not maintained by this Department
- After search, no records responsive to request located
- (Other)_____

LOG NO.:_____

(Department Representative) **(Bureau)** **(Date)**

• • •Fee Waived • • •Check/M.O. received • • •Check/M.O. requested DOC# 050303

March 12, 2013

Rene Bryant
New York City Department of Health
125 Worth Street
Box 31C
New York, NY 10013

Re: Freedom of Information Request
355 West Street, Block 601, Lot 1
357 West Street, Block 601, Lot 4
358 West Street, Block 601, Lot 5
359 West Street, Block 601, Lot 8
156 Leroy Street, Block 601, Lot 10
New York, New York 10014
Langan Project No.: 170215701

Dear Sir or Madam:

Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Langan is requesting any information or copies of files regarding environmental conditions on the above properties, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LTANKs), asbestos abatement, and any other environmental reports that your department may have.

The subject properties are **355 West Street (Block 601, Lot 1), 357 West Street (Block 601, Lot 4), 358 West Street (Block 601, Lot 5), 359 West Street (Block 601, Lot 8), and 156 Leroy Street (Block 601 Lot 10)** in New York, New York.

Please contact me at 212-479-5476 or send your response to my attention at gwyka@langan.com or at the below address:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Gregory C. Wyka
Senior Staff Geologist

Greg Wyka

From: Greg Wyka
Sent: Monday, March 11, 2013 4:33 PM
To: NYSDEC FOIL E-Mail (r2foil@gw.dec.state.ny.us)
Subject: FOIA Request: 355-359 West Street and 156 Leroy Street

To Whom It May Concern,

Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Langan is requesting any information or copies of files regarding environmental conditions on the above properties, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LTANKs), asbestos abatement, and any other environmental reports that your department may have.

The five (5) subject properties are:

1. 355 West Street (Block 601, Lot 1)
2. 357 West Street (Block 601, Lot 4)
3. 358 West Street (Block 601, Lot 5)
4. 359 West Street (Block 601, Lot 8)
5. 156 Leroy Street (Block 601, Lot 10)

The subject properties are located in New York, New York.

Please contact me at 212-479-5476 with any questions.

Best,
Greg

Gr□□ W□□□
S□□□□r S□□□□G□□□□□□□
Direct: 212.479.5476
Cell: 347.267.2679

LANGAN
Phone: 212.479.5400 Fax: 212.479.5444
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-2727
www.langan.com

NEW YORK NEW □ERSEY CONNECTICUT PENNSYLVANIA VIRGINIA FLORIDA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL

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March 12, 2013

New York State Department of Health
Attn: Record Access Officer
Corning Tower, Room 2348
Albany, NY 12237

Re: Freedom of Information Request
355 West Street, Block 601, Lot 1
357 West Street, Block 601, Lot 4
358 West Street, Block 601, Lot 5
359 West Street, Block 601, Lot 8
156 Leroy Street, Block 601, Lot 10
New York, New York 10014
Langan Project No.: 170215701

Dear Sir or Madam:

Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Langan is requesting any information or copies of files regarding environmental conditions on the above properties, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LTANKs), asbestos abatement, and any other environmental reports that your department may have.

The subject properties are **355 West Street (Block 601, Lot 1), 357 West Street (Block 601, Lot 4), 358 West Street (Block 601, Lot 5), 359 West Street (Block 601, Lot 8), and 156 Leroy Street (Block 601 Lot 10)** in New York, New York.

Please contact me at 212-479-5476 or send your response to my attention at gwyka@langan.com or at the below address:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Gregory C. Wyka
Senior Staff Geologist

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: ***T- 33548***

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST, 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Fuel - Exisiting & Removed		
*Search Address	156 LEROY ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

Additional Information

Status Completed - Record not found

IMPORTANT NOTICE: THIS REPORT IS NOT VALID IF ALTERED, CORRECTED OR WITHOUT FDNY CERTIFICATION STAMP AND UNIT EMPLOYEE'S SIGNATURE.

Place FDNY Certification Stamp Below

THIS IS A TRUE COPY OF THE ORIGINAL DOCUMENT ON FILE WITH FDNYEMS
SIGNATURE

If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 33549

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST. 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Motor - Existing & Removed		
*Search Address	156 LEROY ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

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Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 33550

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST, 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Motor - Test & Leaks		
*Search Address	156 LEROY ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

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Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: ***T- 33536***

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST, 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Fuel - Exisiting & Removed		
*Search Address	355 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

Additional Information

Status Completed - Record not found

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Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 33537

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST. 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Motor - Existing & Removed		
*Search Address	355 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

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Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/13/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

***Ref No:* T- 33538**

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST, 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Motor - Removed & Other		
*Search Address	355 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

Additional Information

Status Completed - Record not found

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Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 33539

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST. 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Fuel - Exisiting & Removed		
*Search Address	357 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

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If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 33540

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST. 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Motor - Existing & Removed		
*Search Address	357 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

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Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 33541

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST. 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Motor - Test & Leaks		
*Search Address	357 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

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If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 33542

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST, 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Fuel - Exisiting & Removed		
*Search Address	358 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

Additional Information

***Status** Completed - Record not found

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If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 33543

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST, 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Motor - Existing & Removed		
*Search Address	358 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

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If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: T- 33544

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST, 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Motor - Test & Leaks		
*Search Address	358 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

***Additional Information**

***Status** Completed - Record not found

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ON FILE WITH FDNYTEMS
SIGNATURE

If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: ***T- 33545***

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST. 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Fuel - Exisiting & Removed		
*Search Address	359 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

Additional Information

Status Completed - Record not found

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If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: ***T- 33546***

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST, 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Motor - Existing & Removed		
*Search Address	359 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

Additional Information

Status Completed - Record not found

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Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

FIRE DEPARTMENT

9 METROTECH CENTER BROOKLYN, N.Y. 11201-3857

PUBLIC RECORDS UNIT
TANKS SECTION

Ref No: ***T- 33547***

GREG WYCKA
LANGAN ENGINEERING
360 W 31 ST, 8 FL
NEW YORK, NY 10001

Dear Customer / Representative,

We have completed a search for address and the requsted information listed below. In the "Status" box below, we have listed the results and any additional comments we may have regarding the search.

*Search Type Customer Requested	$20 - Motor - Test & Leaks		
*Search Address	359 WEST ST		
*Borough	01 - Manhattan		
*Payment Type	02-Check	*Payment No.	5426
*Data Entered	3/25/2013	*Entered By	CC
Account Number		Requested Folder	

No. of Tanks	No. of Gallons	Tank Type	Fuel Type	Conversion

Additional Information

Status Completed - Record not found

IMPORTANT NOTICE: THIS REPORT IS NOT VALID IF ALTERED, CORRECTED OR WITHOUT FDNY CERTIFICATION STAMP AND UNIT EMPLOYEE'S SIGNATURE.

Place FDNY Certification Stamp Below

THIS IS TO
THIS IS A TRU
THE ORIGINAL DOCUMENT
ON FILE WITH FDNYRMS
SIGNATURE DR

If you need further assistance or additional information, please call (718) 999-2441; 8 am - 4pm (Monday - Friday).

Thank you,

Public Records Representative

E- 3/25/2013 CC
C- 4/3/2013 DR

Environmental Protection

Carter H. Strickland, Jr.
Commissioner

John Rousakis
General Counsel
Bureau of Legal Affairs

Records Access Officer

59-17 Junction Boulevard
Flushing, NY 11373
T: (718) 595-3448
F: (718) 595-6543

March 25, 2013

Mr. Gregory C. Wyka
Langan Engineering, Environmental,
Surveying and Landscape Architecture, DPC
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-2727

Dear Mr. Wyka:

Re: 355, 357, 358, 359 West Street; 156 Leroy Street, New York
Project # 170215701

We hereby acknowledge receipt of your **Freedom of Information Law** request dated March 12, 2013.

Your request is important to us and will be handled as expeditiously as possible. You are advised, however, that because of the large increase in the volume of such requests, your response may be delayed.

If you have any questions, please call Brenda Farren, Records Access Officer, at (718) 595-3448. Please refer to the ***FOIL log number(s)*** listed below when calling.

Sincerely,

Brenda Farren

Brenda Farren
FOIL Access Officer

FOIL log #(s) 95358, 95359, 95360, 95361

Environmental Protection

Carter H. Strickland, Jr.
Commissioner

Vincent Sapienza
Deputy Commissioner
Bureau of Wastewater Treatment
vsapienza@dep.nyc.gov

96-05 Horace Harding Expressway
Corona, NY 11368
T: (718) 595-4906
F: (718) 595-6950

Date: 4/2/13

Re: Freedom of Information Law Request (FOIL) # 95360

Dear Sir or Madam:

I am writing in response to your FOIL request (see attached). This response specifically addresses only those aspects of your request related to the discharge of wastewater or other materials to a New York City public sewer. As this letter only pertains to records in the custody of the Division of Pollution Control and Monitoring, if your request was also directed to other divisions within the Bureau of Wastewater Treatment or to other bureaus within the Department of Environmental Protection, then you will receive a separate response from those divisions or bureaus.

Concerning your request, the **Division of Pollution Control and Monitoring**:

[ ] cannot identify the requested location because _____.

[X] after search, has not identified any records responsive to your request.

[ ] has identified records responsive to your request. Please telephone me at (718) 595-4756 to arrange for an appointment to review the information.

[ ] other _____

_____

_____

Sincerely,

Vitaly Weiler
FOIL Liaison
Division of Pollution Control and Monitoring

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Excellence
Practical Experience
Client Responsiveness

March 12, 2013

2013 MAR 14 PM 2:05
LEGAL AFFAIRS OFFICE
RECEIVED

Attn: Records Access Officer
New York City Department of Environmental Protection
Bureau of Legal Affairs
59-17 Junction Boulevard, 19th Floor
Corona, New York 11368

Re: Freedom of Information Request
355 West Street, Block 601, Lot 1
357 West Street, Block 601, Lot 4
358 West Street, Block 601, Lot 5
359 West Street, Block 601, Lot 8
156 Leroy Street, Block 601, Lot 10
New York, New York 10014
Langan Project No.: 170215701

Dear Sir or Madam:

Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Langan is requesting any information or copies of files regarding environmental conditions on the above properties, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LTANKs), asbestos abatement, and any other environmental reports that your department may have.

The subject properties are **355 West Street (Block 601, Lot 1), 357 West Street (Block 601, Lot 4), 358 West Street (Block 601, Lot 5), 359 West Street (Block 601, Lot 8), and 156 Leroy Street (Block 601 Lot 10)** in New York, New York.

Please contact me at 212-479-5476 or send your response to my attention at gwyka@langan.com or at the below address:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th floor
New York, New York 10001-2727

Thank you in advance for your cooperation.

Sincerely,
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

LOG# 95360

Gregory C. Wyka
Senior Staff Geologist

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Application for Records, Article 6 - New York State Public Officers Law, Freedom of Information Law

Complete Part I of this form. Please refer to instruction sheet for assistance in completing this form. If responsive records are located, you will be notified and informed of the required payment. Advance payment is required in check or money order payable to the City of New York before documents will be released. Send the complete application to the Records Access Officer at NYC DEP, Bureau of Legal Affairs, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373 or fax to (718) 595-6543

PART I. APPLICATION - Check Bureau(s) known or believed to have the record(s):

- ☐ Executive
- ☐ General Counsel
- ☐ Agency Chief Contracting Office
- ☐ Bureau of Customer Services (Water Bills)
- ☑ Bureau of Environmental Compliance
- ☑ Asbestos
- ☑ Hazardous Materials
- ☐ Air & Noise
- ☐ Environmental Control Board
- ☑ Bureau of Environmental Engineering
- ☑ Office of Environmental Planning and Assessment
- ☐ Bureau of Wastewater Treatment
- ☐ Sewer discharge violations
- ☐ Bureau of Water and Sewer Operations
- ☐ Water Records
- ☐ Sewer Records
- ☐ Bureau of Water Supply
- ☐ Water Quality
- ☐ DEP Police
- ☐ _____

I hereby apply to ○ inspect or ◉ receive copies of the following records (use additional sheets as needed and attach):
355 West Street (Tax Block 601, Lot 1), 357 West Street (Tax Block 601, Lot 4), 358 West Street (Tax Block 601, Lot 5), 359 West Street (Tax Block 601, Lot 8), and 156 Leroy Street (Tax Block 601, Lot 10) New York, New York

Name: Greg Wycka Phone: (212) 479-5476 E-Mail: gwycka@langan.com
Firm: Langan Engineering, Environmental, Surveying and Landscaping Architecture, D.P.C.
Address: 360 West 31st Street, 8th Floor, New York, NY 10001
Signature: Gregory Wycka Date: 3/12/13

PART II. DISPOSITION OF REQUEST (*TO BE COMPLETED BY THE DEPARTMENT*)

• •APPROVED • APPROVED IN PART - - To arrange for access to the records, please contact:

(Department Representative) (Bureau) (Phone No.)

Number of Pages:_____ x$.25 per page = Cost:_____

• •DENIED • •DENIED IN PART - - for reason(s) checked: References are to Sec. 87 of the Public Officers Law.

- ☐ Exempt: State/Fed. Statute (2(a))
- ☐ Invasion of personal privacy (2(b))
- ☐ Competitive position injury (2(d))
- ☐ Exempt: Law Enforcement (2(e))
- ☐ Inter/Intra-agency material (2(g))
- ☐ (Other)_____

Brief Description of records not subject to disclosure_____

A denial, in whole or in part, may be appealed within 30 days by writing to the NYCDEP FOIL Appeals Officer, 59-17 Junction Blvd., 19th Fl., Flushing, NY 11373

☐ UNAVAILABLE - - for reason(s) checked:

- Not described in sufficient detail
- •Not maintained by this Department
- After search, no records responsive to request located
- (Other)_____

LOG NO.:_____

(Department Representative) (Bureau) (Date)

• • •Fee Waived • • •Check/M.O. received • • •Check/M.O. requested DOC# 050303

Environmental Protection

Carter H. Strickland Jr.
Commissioner

Angela Licata
Deputy Commissioner
of Sustainability
alicata@dep.nyc.gov

Michael Gilsenan
Assistant Commissioner
Environmental Compliance

Steven A. Camaiore, P. E.
Director
Asbestos Control Program
718-595-4424

59-17 Junction Boulevard
8th Floor
Flushing, NY 11373

April 3rd, 2013

Mr. Gregory C. Wyka
Langan Engineering Environmental Surveying & Landscape Architecture, D.P.C.
21 Penn Plaza/360 West 31st Street – 8th Floor
New York, New York 10001-2727

Dear Mr. Wyka:

RE: 355, 357, 358 & 359 West Street
156 Leroy Street
Phase 1- Project #170215701

In response to your Freedom of Information Law request, dated March 25th, 2013. The Asbestos Control Program searched its files and has no records for the above-mentioned premise (s).

If you have any further questions, please do not hesitate to contact me at (718) 595-3677.

Sincerely,

Pauline Lewis for

Josianne Dieudonne

Environmental Protection

Carter H. Strickland, Jr.
Commissioner

Kevin T. McBride
Deputy Commissioner
Bureau of Police & Security
kmcbride@dep.nyc.gov

59-17 Junction Boulevard
Flushing, NY 11373
T: (718) 595-3120
F: (718) 595-3207

April 26, 2013

Mr. Gregory C. Wyka
Langan Engineering, Environmental, Surveying & Landscape Architecture, D.P.C
21 Penn Plaza
360 West 31 Street, 8th Floor
New York, N.Y 10001

RE: Langan Project No: 170237201
155 West 46th Street, New York

Dear Mr. Wyka:

The Division of Emergency Response and Technical Assessment have received your Freedom of Information Law request regarding the above-mentioned location. We have searched our files and have not discovered any information relevant to your request.

If we can be of further assistance, please do not hesitate to contact our office at (718) 230-7306.

Very truly yours,

GREGORY HOAG

Gregory Hoag
Executive Director
Division of Emergency Response
And Technical Assessment

Log # 94606

NEW YORK CITY DEPARTMENT OF
HEALTH AND MENTAL HYGIENE
Thomas Farley, MD MPH
Commissioner

3/20/2013

LANGAN
21 Penn Plaza, 360 West 31 Street, 8th Floor
New York, NY 10001
Attention: *Gregory C. Wyka*

Re: *355 West Street, 357 West Street, 358 West Street, 359 West Street, and 156 Leroy Street, NYC*
Control #: *2013FR00855*

The New York City Department of Health and Mental Hygiene acknowledges receipt of your Freedom of Information Law request. It has been assigned the above-noted control number and has been forwarded to the following bureau or office for processing:

Bureau / Office

[ ] Lead Poisoning Prevention
Ben DelPercio
(212) 676-6123

[X] Environmental Health Services
Natisha Smith or Shirley Wiley
(212) 788-4705

[ ] Contract Services
Ellen Rieser
(347) 396-6629

[ ] Bureau of Human Resources
Ana Perez
(347) 396-2108

[ ] Communicable Diseases
Beth Nivin
(347) 396-2616

[ ] Other _____

You should receive a response from the program/bureau within twenty(20) business days. Please note that there is a fee of 25 cents per page for copies of records. You will be advised by the program/bureau of the fee that is due and, upon receipt of your payment by check or money order, the copies will be forwarded to you.

All inquiries about the status of your request should be made with the program/bureau noted.

Sincerely,

Chari Anhouse, Esquire
Records Access Officer
42-09 28th Street, CN31
Long Island City, NY 11101
347-396-6078/6116(P)
347-396-6088(F)
recordsaccess@health.nyc.gov

INITIAL INSPECTION FORM

NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Bureau of Veterinary and Pest Control Services

March 30, 2012

Job ID: *PO428656*

Premises in Violation:

156 LEROY STREET

Manhattan, 10014

Property Type: *Commercial Building*

Block #: 00601 Lot #: 0010

Property located at 156 LEROY STREET Manhattan was inspected by a Public Health Sanitarian of the NYC DOHMH on 03/29/2012 from Start Time: 2012-03-29 10:45:12.0 to End Time: 2012-03-29 10:52:20.0 and passed the inspection.

INSPECTOR FINDINGS - VIOLATIONS OF NEW YORK CITY HEALTH CODE FOUND:

Inspector:	*ID #:*	*Approved By:* Harriet Weaver *Supervisor Signature:*	*Approval Date:*
Mohamed Bensmail	1204		03/30/2012

WARNING: False statements made herein are punishable as a class A misdemeanor pursuant to section 210.45 of the Penal Law. Affirmed under penalty of perjury.

INITIAL INSPECTION FORM

NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Bureau of Veterinary and Pest Control Services

March 30, 2012

Job ID: *PO428652*

Premises in Violation:

355 WEST STREET

Manhattan, 10014

Property Type: *Commercial Building*

Block #: 00601 Lot #: 0001

Property located at 355 WEST STREET Manhattan was inspected by a Public Health Sanitarian of the NYC DOHMH on 03/28/2012 from Start Time: 2012-03-28 15:45:58.0 to End Time: 2012-03-28 15:53:19.0 and passed the inspection.

INSPECTOR FINDINGS - VIOLATIONS OF NEW YORK CITY HEALTH CODE FOUND:

Inspector:	*ID #:*	*Approved By:* Harriet Weaver *Supervisor Signature:*	*Approval Date:*
Mohamed Bensmail	*1204*		*03/30/2012*

WARNING: False statements made herein are punishable as a class A misdemeanor pursuant to section 210.45 of the Penal Law. Affirmed under penalty of perjury.

NEW YORK CITY DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Thomas A. Farley, MD, MPH
Commissioner

ORDER OF THE COMMISSIONER

April 03, 2012

Job ID: PO428653
Clerk: Duane Williams

TO: Owner(s)/Agent(s):
APMM LEROY LLC C/O PETER MOORE ASSOCIATES
515 CANAL STREET
NEW YORK,New York 10013
UNITED STATES

RE: Premises:
357 WEST STREET
Manhattan ***Block #:*** *601* ***Lot #:*** *4*

WHEREAS, *the above identified premises were inspected by the New York City Department of Health and Mental Hygiene ("DOHMH" or the "Department") Veterinary and Pest Control Services ("VPCS") on 03/28/2012; and*

WHEREAS, *records maintained by the New York City Department of Finance show that you are the owner or managing agent of such premises and responsible for maintaining such property free from rodents, insects and other pests, and from any conditions conducive to pests, or any other nuisance condition pursuant to New York City Health Code ("Health Code") §151.02 and §3.09; and*

WHEREAS, *as described in the attached inspection report(s) such inspection determined that such premises:*

(1) Are not free of rodents, or conditions conducive to feeding and habitation of rodents, in violation of Health Code §151.02; and/or

(2) Have an animal nuisance condition consisting of animal feces, urine, blood, vomitus, animal parts, carcasses and/or foul odors, as defined in Health Code §161.02, in violation of Health Code §3.09.

YOU ARE HEREBY ORDERED *to abate all rodent conditions and/or animal nuisances by correcting all conditions described in the attached Inspection Report(s), and any conditions arising after issuance of this Order by:*

(1) Removing all garbage, refuse, debris and other materials creating conditions conducive to pests; and retaining a pest control professional, certified in accordance with the State Environmental Control Law to inspect and apply rodenticide bait if needed; Additional information on how to correct rodent violations is available at http://www.nyc./gov/rats; and/or

(2) Removing animal feces, urine, blood, vomitus, animal parts and carcasses or other matter causing foul odors; and cleaning the premises; and

IT IS FURTHER ORDERED *that these premises shall be re-inspected no sooner than five (5) business days after you receive this order, and that if the Department finds continuing conditions conducive to rodent pests the Department may apply rodenticide bait, and conduct the cleanup and removal of refuse, debris*

and other materials constituting the conditions conducive to feeding and habitation of rodents; and

IT IS FURTHER ORDERED *that, if the attached inspection report describes rodent conditions and you do not comply with this Order, and the Department does the work required by this Order, the City of New York will bill you, in accordance with Administrative Code §§17-142 et seq. for the costs to the City of abating the nuisance related to rodent conditions, including applying rodenticide bait and removal of all garbage, refuse, debris and other materials creating the nuisance, and the costs of any further inspections to determine compliance with this Order. If the bill is not paid promptly, the charges will become a lien against the premises, in accordance with Administrative Code §§17-142 et seq, resulting in your inability to sell the property with a clear title unless such charges are paid.*

YOU WILL RECEIVE NO FURTHER ORDERS OR WARNINGS PRIOR TO REINSPECTION BY THE DEPARTMENT.

• *If you claim that you do not own these premises or wish to contest this order, please* fax *a letter and appropriate documentation to the* ***Department of Health and Mental Hygiene, Veterinary and Pest Control Services Research Unit at (212) 788-4218;*** *write to the Department's Pest Control Services Program Research Unit at 125 Worth Street, Room 300, 32R, New York, New York 10013; postmarked within three (3) business days of receipt of this Order. It is in your interest to promptly provide this information to the Department to avoid substantial costs and possible future litigation. Please respond in writing by mail or fax only.*

• *If you have any questions about the inspection report or how to comply with this Order, you may contact the regional office in the borough of the premise inspected.*

Manhattan: 212-360-5927
Bronx: 718-583-6133/5813
Queens: 718-956-7102
Staten Island: 718-629-5800
North Brooklyn: 718-855-2212 for zip codes 11201, 11205, 11206, 11211, 11213, 11215, 11217, 11221, 11222, 11231, 11232, 11233, 11237, 11238, 11239
South Brooklyn: 718-629-5800 for zip codes 11203, 11204, 11208, 11209, 11210, 11212, 11214, 11218, 11219, 11220

Mario Merlino, MS, MPH.
Assistant Commissioner
Veterinary and Pest Control Services

WARNING

FAILURE TO COMPLY WITH AN ORDER OF THE COMMISSIONER IS A VIOLATION OF NEW YORK CITY HEALTH CODE §3.05, AND A MISDEMEANOR, FOR WHICH YOU MAY BE SUBJECT TO CIVIL AND CRIMINAL PENALTIES, INCLUDING FINES AND IMPRISONMENT.

INITIAL INSPECTION FORM

NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Bureau of Veterinary and Pest Control Services

April 03, 2012

Job ID: *PO428653*

Premises in Violation:

357 WEST STREET
Manhattan, 10014

Property Type: *Vacant Building*

Block #: 601 Lot #: 4

CAMIS ID :

Owner Name:

APMM LEROY LLC C/O
PETER MOORE
ASSOCIATES

Owner Address:

515 CANAL STREET

NEW YORK, New York,
UNITED STATES- 10013

Property located at 357 WEST STREET Manhattan was inspected by a Public Health Sanitarian of the NYC DOHMH on 03/28/2012 from Start Time: 03/28/2012 03:53:38 PM to End Time: 03/28/2012 04:00:59 PM

INSPECTOR FINDINGS - VIOLATIONS OF NEW YORK CITY HEALTH CODE FOUND:

- *In back right and side right area of property , Conditions providing places for rats to live were found on your property and must be removed. These conditions can include dense vegetation, clutter such as construction waste, old furniture and fixtures or openings providing entry and shelter for rodents.*
- *In back right and side right area of property , Garbage containers are missing, inadequate or in poor condition on your property. Garbage spillage and poor containerization provides food for rats. All garbage must be secured in rodent-proof containers.*

Inspector:	***ID #:***	***Approved By:*** Harriet Weaver ***Supervisor Signature:***	***Approval Date:***
Mohamed Bensmail	1204		03/30/2012

WARNING: False statements made herein are punishable as a class A misdemeanor pursuant to section 210.45 of the Penal Law. Affirmed under penalty of perjury.

What You Should Do Next:

1. *Inspect your property. Thoroughly inspect your property for signs of rats and the conditions that contribute to rats. Review your enclosed inspection report and visit the Rat Information Portal (www.nyc.gov/rats) for more information on how to identify droppings, active rat runs, and evidence of gnawing, tracks or burrows. You may choose to hire a licensed pest management professional to assist you with this problem. The Rat Information Portal (www.nyc.gov/rats) will help you to select a pest management professional that can help you identify conditions that have lead to the presence of rats on your property and to manage the problem safely.*
2. *Clean up your property. Sweep up droppings and wash away rub marks. This will discourage rats from returning.*
3. *Keep rats from getting the food they need. Store garbage in hard plastic or metal containers with a tight fitting lid. Do not put garbage out on the street more than 1 hour before pickup.*
4. *Eliminate the places rats can hide, nest and breed. Remove clutter and debris from your yard, basement and landscaping. Pest - proof your property by repairing holes and cracks.*
5. *Talk to others on your block. Managing rats is a community affair, and your property is probably not the only one that has signs of rats. Everyone in a neighborhood has to work together to solve the problem, since rats can move quickly from one property to another. Neighbors can coordinate clean-up efforts, share in the hiring of licensed pest management professionals, and have a bigger impact by working together.*

COMPLIANCE INSPECTION FORM

NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
OFFICE OF PEST CONTROL SERVICES

May 14, 2012

Job ID: *PO428653*

Premises in Violation:

357 WEST STREET

Manhattan, 10014

Property Type: *Commercial Building*

Block #: 00601 Lot #: 0004

Property located at 357 WEST STREET Manhattan was inspected by a Public Health Sanitarian of the NYC DOHMH on 05/09/2012 from Start Time: 2012-05-09 13:35:29.0 to End Time: 2012-05-09 13:47:39.0 and passed the inspection.

INSPECTOR FINDINGS - VIOLATIONS OF NEW YORK CITY HEALTH CODE FOUND:

- At the time of the inspection no active rat signs or conditions conducive to rats were found.

Inspector:	***ID #:***	***Approved By:*** *Chester Mcgibbon*	***Approval Date:***
Dave Peters	*1543*	***Supervisor Signature:***	*05/14/2012*

WARNING: False statements made herein are punishable as a class A misdemeanor pursuant to section 210.45 of the Penal Law. Affirmed under penalty of perjury.

INITIAL INSPECTION FORM

NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Bureau of Veterinary and Pest Control Services

March 30, 2012

Job ID: *PO428654*

Premises in Violation:

358 WEST STREET

Manhattan, 10014

Property Type: *Building-Multiple Dwelling/Commerical*

Block #: 00601 Lot #: 0005

Property located at 358 WEST STREET Manhattan was inspected by a Public Health Sanitarian of the NYC DOHMH on 03/29/2012 from Start Time: 2012-03-29 10:29:13.0 to End Time: 2012-03-29 10:33:20.0 and passed the inspection.

INSPECTOR FINDINGS - VIOLATIONS OF NEW YORK CITY HEALTH CODE FOUND:

Inspector:	***ID #:***	***Approved By:*** Harriet Weaver ***Supervisor Signature:***	***Approval Date:***
Mohamed Bensmail	1204		03/30/2012

WARNING: False statements made herein are punishable as a class A misdemeanor pursuant to section 210.45 of the Penal Law. Affirmed under penalty of perjury.

INITIAL INSPECTION FORM

NYC DEPARTMENT OF HEALTH AND MENTAL HYGIENE
Bureau of Veterinary and Pest Control Services

March 30, 2012

Job ID: *PO428655*

Premises in Violation:

359 WEST STREET

Manhattan, 10014

Property Type: *Vacant Building*

Block #: 00601 Lot #: 0008

Property located at 359 WEST STREET Manhattan was inspected by a Public Health Sanitarian of the NYC DOHMH on 03/29/2012 from Start Time: 2012-03-29 10:33:34.0 to End Time: 2012-03-29 10:45:01.0 and passed the inspection.

INSPECTOR FINDINGS - VIOLATIONS OF NEW YORK CITY HEALTH CODE FOUND:

Inspector:	*ID #:*	*Approved By:* Harriet Weaver *Supervisor Signature:*	*Approval Date:*
Mohamed Bensmail	*1204*		*03/30/2012*

WARNING: False statements made herein are punishable as a class A misdemeanor pursuant to section 210.45 of the Penal Law. Affirmed under penalty of perjury.

NEW YORK CITY DEPARTMENT OF
HEALTH AND MENTAL HYGIENE
Thomas Farley, MD, MPH
Commissioner

Christopher Boyd
Assistant Commissioner
Bureau of Environmental
Sciences and Engineering

42-09 28th Street
14th Floor, CN-56
Queens, NY 11101

347-396-6077 (tel.)
347-396-6089 (fax)

April 9, 2013

Gregory Wyka
Langan Engineering & Environmental Surveying and
Landscape Architecture, D.P.C.
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001

RE: Control #: 2013FR00855

Dear Mr. Wyka:

In response to your recent request for the record(s) concerning the addresses listed below:

355 West Street
New York, NY 10014

357 West Street
New York, NY 10014

358 West Street
New York, NY 10014

359 West Street
New York, NY 10014

156 Leroy Street
New York, NY 10014

Please be advised that based upon a thorough review of the files available to the Office of Public Health Engineering, our records revealed there are no record(s) located in our files pertaining to your request.

Yours truly

Lily Huang,
Director
Office of Public Health Engineering

Greg Wyka

From: Foil r2foil <r2foil@gw.dec.state.ny.us>
Sent: Tuesday, March 26, 2013 11:36 AM
To: Greg Wyka
Cc: Foil r2foil
Subject: R2-13-740 - No record letter

March 26, 2013

FOIL: R2-13-740

Greg Wyka/LANGAN
212-479-5476
F 212-479-5444
gwyka@langan.com

Re: 5 Sites in Manhattan: -355 W St, 357 W St, 358 W St, 359 W St, and 156 Leroy St

Dear Mr. Wyka:

NYSDEC/Region 2 has reviewed your request for the above referenced records under New York State's Freedom of Information Law (FOIL). Please note that most of our records are filed by number under the names of individuals or corporations. We have no way of locating or retrieving records if they are filed under names or addresses other than those you have provided.

If no records have been located, this does not necessarily mean, and should not be interpreted to mean that there have never been any violations, complaints, claims, investigations or inquiries involving those names or addresses. We cannot make any representations as to whether there are or have been any such violations, complaints, Claims, investigations or inquiries.

☒ After a diligent search of Region 2 available files, no records could be located for the names and/or addresses you provided.

Please email your future FOILs to Region directly to the following email address: **r2foil@gw.dec.state.ny.us**

Thank you for your request. If additional information is needed, please call Gloria Silva/FOIL Secretary at (718) 482-4507, or email me at: **r2foil@gw.dec.state.ny.us**

Sincerely yours,

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator

Fawzy I. Abdelsadek, Ph.D., P.E.
Regional Enforcement Coordinator & FOIL Coordinator
New York State Department of Environmental Conservation
Region 2
47-40 21St Street
Long Island City, NY 11101
Tel:(718) 482-4992

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Fax:(718) 482-6729
r2foil@gw.dec.state.ny.us

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NEW YORK
state department of
HEALTH

Nirav R. Shah, M.D., M.P.H.
Commissioner

Sue Kelly
Executive Deputy Commissioner

March 15, 2013

Gregory C. Wyka
Langan Engineering & Environmental Services
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001

Re: 13-03-252

Dear Mr. Wyka:

This will acknowledge receipt of your 3/12/2013 request for records under the Freedom of Information Law.

Your request has been forwarded to the appropriate Department program area(s) to identify documents that are responsive to your request and which may be made available pursuant to all applicable provisions of the Freedom of Information Law.

It is estimated that within 20 business days we will complete your request or we will notify you in writing if the responsible program area(s) should require additional time to locate, assemble and review responsive documents.

Please note that, pursuant to Article 6 of the Public Officers Law, a charge may be applied to your request, including the actual cost of the medium used to respond to your Freedom of Information Law request and/or other related costs. When responsive records have been identified, you will be informed of any cost and how payment should be made.

Sincerely,

James P. O'Hare
Records Access Office

NEW YORK
state department of
HEALTH

Nirav R. Shah, M.D., M.P.H.
Commissioner

Sue Kelly
Executive Deputy Commissioner

March 25, 2013

Gregory C. Wyka
Langan Engineering & Environmental Services
21 Penn Plaza
New York, NY 10001

Re: FOIL #: 13-03-252

Dear Mr. Wyka:

This letter responds to your Freedom of Information Law request of March 12, 2013, in which you requested Environmental Records re: 355,357,358,359 West St. and 156 Leroy St., New York, NY 10014. The Center for Environmental Health advises that no records responsive to your request have been located.

Should you feel that you have been unlawfully denied access to records, you may appeal such denial in writing within 30 days to the Records Access Appeals Officer, Division of Legal Affairs, Empire State Plaza, 2438 Corning Tower, Albany, New York, 12237-0026.

Should you require additional information or wish to discuss this matter further, please do not hesitate to contact me at (518) 474-8734.

Sincerely,

James P. O'Hare
Records Access Office

JPO/aa

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

MAR 21 2013

Gregory C. Wyka
Langan Engineering and Environmental Services, Inc.
360 West 31st Street - 8th Floor
New York, NY 10001

Re: FOIA Request EPA-R2-2013-004394

Dear Mr. Wyka:

The Air Compliance Branch of the U.S. Environmental Protection Agency (EPA), Region 2, has searched its records pertaining to asbestos abatement for the addresses cited in your FOIA request. No records responsive to your request were found. Please be advised that you may also receive additional information from other offices in EPA Region 2 in the event that they have information that is responsive to your request.

For additional information pertaining to your request you may also wish to contact state and/or city agencies. Also, please be advised that you can now retrieve the profile of a facility, including information regarding toxic chemical releases, water permits, hazardous waste handling processes, Superfund status, and air emissions, from the EPA's Envirofacts webpage at http://www.epa.gov/enviro.

If you have any further questions regarding asbestos abatement information contained in your request, please contact Max Rehfeld of the Air Compliance Branch at (212) 637-4052.

Sincerely,

Gaetano LaVigna Sr

Kenneth Eng, Chief
Air Compliance Branch
Division of Enforcement and Compliance Assistance
US Environmental Protection Agency, Region 2

Request Details
Tracking Number :EPA-R2-2013-004394
Requester : Mr. Gregory C. Wyka
Organization :Langan Engineering and Environmental Services, Inc.
Requester Has Account :Yes
Email Address :gwyka@langan.com
Phone Number : 212-479-5476
Fax Number : 212-479-5444
Address : 360 West 31st Street
8th Floor
City : New York
State/Province : NY
Zip Code/Postal Code : 10001

Short Description :
To Whom It May Concern, Pursuant to the Federal Freedom of Information Act (5 U.S.C 552 et seq.) dealing with the examination and duplication of documents maintained by public agencies, Langan is requesting any information or copies of files regarding environmental conditions on the above properties, such as environmental permits, notices of violations, spill/discharge incidents, storage or disposal of hazardous substances, Underground Storage Tanks (USTs), Leaking Underground Storage Tanks (LTANKs), asbestos abatement, and any other environmental reports that your department may have. The five (5) subject properties are:
1. 355 West Street (Block 601, Lot 1)
2. 357 West Street (Block 601, Lot 4)
3. 358 West Street (Block 601, Lot 5)
4. 359 West Street (Block 601, Lot 8)
5. 156 Leroy Street (Block 601, Lot 10)
The subject properties are located in New York, New York.
Please contact me at 212-479-5476 with any questions.
Best, Greg

This is not a denial of records however, if you consider it to be one, you may submit a written appeal to HQ FOIA OPERATIONS STAFF, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Avenue, N.W., Washington, D.C. 20460 (U.S. Postal Service Only), FAX: 202 566-2147, email: hq.foia@epa.gov. Only items mailed through the United States Postal Service may be delivered to 1200 Pennsylvania Avenue, NW. If you are submitting your appeal via hand delivery, courier service or overnight delivery, you must address your correspondence to 1301 Constitution Avenue, NW, Room 6416J, Washington DC 20001. Your appeal must be made in writing, and must be received within 30 calendar days of the date of this response to receive consideration. The Agency will not consider appeals received after the 30-day limit. The appeal should be marked "Freedom of Information Act Appeal," and should reference the Freedom of Information Request Number of this response.

APPENDIX F
NEW YORK CITY DEPARTMENT OF BUILDING RECORDS

NYC Buildings

NYC.gov always open

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75 CLARKSON STREET | **MANHATTAN 10014** | **BIN# 1080181**

CLARKSON STREET 75 - 77

H□□□□□ Ar□□	: 6400	**T□□ B□□□□**	: 601
C□□□□□ Tr□□□	: 69	**T□□ L□□**	: 1
C□□ □ □□□□ B□□rd	: 102	**C□□d□**	: NO
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V□□□ DCP Addr□□□□□... **Br□□ □□ B□□□□**

V□□□ Z□□□□□ D□□□□ □□□□ **V□□□ C□□□□□□□□ R□□□□□□** **V□□□ C□r□□□□□□□□ □□O□□□□□□□□**

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SRO R□□□r□□□□d:	NO	**TA R□□□r□□□□d:**	NO
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P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

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V□□□□□□□□□□-ECB (DOB)	2	1

This property has 1 open ECB "Work Without A Permit" Violations and may be subject to DOB civil penalties upon application for a permit. After obtaining the permit, a certificate of correction must be filed on the ECB violations.

□□□□F□□□□□	27
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If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NO BOILER RECORDS FOUND FOR THIS PROPERTY

75 CLARKSON STREET **MANHATTAN 10014** **BIN# 1080181**

CLARKSON STREET 75 - 77

H□□□□□ Ar□□	: 6400	T□□ B□□□□	: 601
C□□□□□ Tr□□□	: 69	T□□ L□□	: 1
C□□ □ □□□□□ B□□rd	: 102	C□□d□	: NO
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P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

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V□□□□□□□□□□-ECB (DOB)	2	1

This property has 1 open ECB "Work Without A Permit" Violations and may be subject to DOB civil penalties upon application for a permit. After obtaining the permit, a certificate of correction must be filed on the ECB violations.

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If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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Pr□□ □□□□: 75 CLARKSON STREET MANHATTAN **BIN: 1080181** **B□□□□: 601** **L□□: 1** **CB: 102**

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34752125R	OPEN - NO COMPLIANCE RECORDED S□□□r□□□: CLASS - 2	BERGNAT REALTY ASSOC I□□□□□□U□□: MANHATTAN CONSTRUCTION	DEFAULT	02/28/2011	201	$0.00
34228297M	RESOLVED - CURE ACCEPTED S□□□r□□□: NON-HAZARDOUS	OWNER OF 75-77 CLARKSON S	CURED/IN-VIO	10/08/1999 V□□□T□□□: CONSTRUCTION	B07	$0.00

C□□ □□□□□□ S□□□□□ (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

ECB H□□r□□□ S□□□□□ and the ECB P□□□□□□ D□□ are separate from C□□ □□□□□□ S□□□□□ (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

S□□□r□□□ C□□□□	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

V□□□□□□□□ S□□□□□ D□□□r□□□□□□	ECB H□□r□□□ S□□□□□
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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BIN: 1080181 **B□□□□: 601** **L□□: 1** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□ VIOLATION OPEN

ECB Violation Number: 34752125R

S□□□r□□□: CLASS - 2

C□r□□□□□□□□□ S□□□□□: NO COMPLIANCE RECORDED

H□□r□□□ S□□□□□: DEFAULT

P□□□□□□ B□□□□□□ D□□: $0.00

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N□□ □: BERGNAT REALTY ASSOC

M□□□□□ Addr□□□: 551 MADISON AVENUE , NY , NY 10022

V□□□□□□□□ D□□□□□□

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201	28-105.1	WORK WITHOUT A PERMIT

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WORK W/O A PERMIT. NOTED: AT TIME OF INSPECTION PLUMBERS WERE INSTALLING NEW PIPES FOR BATHROOMS, THE FLR HAD BEEN JACK HAMMERED IN VARIOUSLOCATIONS. ALSO THERE WAS FRAMING WORK IN PROGRESS SOME PARTITIONS HAS

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A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 04/14/2011 **H□□r□□□ S□□□□□:** DEFAULT

H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $4,000.00

Ad□□□□□ □□□□: $5.33

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A□ □□□□P□□d:	$4,005.33
P□□□□□□ B□□□□□□ D□□:	$0.00
C□□r□D□□□□□D□□□:	07/31/2011

ECB V□□□□□□□□ H□□□□r□

C□□ □□□□□□□ E□□□□□

H□□r□□□ E□□□□□

D□□□□□□: 04/19/2011

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC D□□□r□□ □□□□□B□□d□□□□

ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 75 CLARKSON STREET MANHATTAN **F□□d A□: 75 CLARKSON STREET , MANHATTAN , NY 10014**

BIN: 1080181 **B□□□□: 601** **L□□: 1** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 34228297M

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CURE ACCEPTED
H□□r□□□ S□□□□□: CURED/IN-VIO
P□□□□□□ B□□□□□□ D□□: $0.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: OWNER OF 75-77 CLARKSON S
M□□□□□ Addr□□□: 75 CLARKSON STREET , MAN , NY 10014

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 10/08/1999 **V□□□□□□□ T□□□:** CONSTRUCTION
S□r□□d D□□□: 10/08/1999 **I□□□□□□□□□ U□□□:**

I□r□□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**
B07 27-127 FAILURE TO MAINTAIN BUILDING

S□□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:

FAILURE TO MAINTAIN BUILDING. NOTED: CELLAR, CEILING OPEN & FIRERATING REMOVED AT VARIOUS LOCATIONS. LOCATION: CELLAR WEST/SIDE REMEDY: MAKEALL NECESSARY REPAIRS & MAINTAIN BUILDING AS PER CODE.

I□□□□□□ I□□□□□□□□r ID: **DOB V□□□□□□□□ N□□ □□r:** 10899CB2GM2
I□□□□d □□ A□□r□□□□□d L□□□□: NO

D□□□. □□B□□d□□□□ C□□ □□□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□□ S□□□□□: CURE ACCEPTED
C□□ □□□□□□□ O□: 11/16/1999

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 12/02/1999 **H□□r□□□ S□□□□□:** CURED/IN-VIO
H□□r□□□ T□□ □: 10:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $0.00
Ad□□□□□ □□□: $0.00

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A□ □□□□P□d:	$0.00
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ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□ **H□□r□□□ E□□□□□**

C□r□ (□r□-□□□r□□□): 11/16/1999

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DEPARTMENT OF HOUSING AND BUILDINGS

BOROUGH OF MANHATTAN, CITY OF NEW YORK

JT/
lc

No.

Date December 13, 1944

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~—altered—existing—building—premises located at

75 Clarkson street
26.7 ft. front Block 601 Lot 25

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~N.B. or Alt. No.~~— 707-1943. Construction classification— Nonfireproof.

Occupancy classification— Commercial . Height One stories, 16 feet.

Date of completion— November 21, 1944 . Located in Unrestricted Use District.

A Area 2 times . Height Zone at time of issuance of permit 579-44; 1109-43; 38-44

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED MALE	FEMALE	TOTAL	USE
Cellar	On ground				--
1st story		2	--	2	Loading station and non-storage garage for four (4) motor vehicles.
Mezzanine	50	1	--	1	Office.
					Fire Department approval for a non-storage garage for four (4) motor vehicles December 7, 1944.

66930

Borough Superintendent.

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT.

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there by any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Housing and Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

Form 54-C (Rev. 4/62)-80M-601036(62) 114

ac

DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

Date January 7, 1969 No. 66820

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No. 28952 & 30644

THIS CERTIFIES that the new ~~altered existing~~—building—premises located at 75-77 Clarkson Street Block 601 Lot s/ Part of 1,2,3 & 25

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the side of distant feet from the corner formed by the intersection of and

running thence "SEE STATEMENT "A" feet; thence feet;

thence of N.B. 5/1965 feet; thence feet;

running thence feet; thence feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

N.B. or Alt. No.— 5/1965 Construction classification— Class 3 Nonfireproof

Occupancy classification—Commercial . Height 1 stories, 17'-6" feet.

Date of completion— December 3, 1968 . Located in M 1-5 Zoning District.

at time of issuance of permit. 2986-1966; 4199-1968

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: and The City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces

Off-Street Loading Berths

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
1st	On Ground	20	Meat processing plant, coolers, freezer, shipping and receiving, locker rooms and toilet.
Mezz.	50	2	Offices, hot water heater room.

Borough Superintendent

OFFICE COPY—DEPARTMENT OF BUILDINGS

... WITH THE RULES OF THE DEPARTMENT PROMULGATED MARCH 31ST, 1967.

PERMISSIBLE USE AND OCCUPANCY (continued)

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE

Borough Superintendent

B Form 54 (Rev. 8/63)

THE CITY OF NEW YORK

ALT 101293949

DEPARTMENT OF BUILDINGS

CERTIFICATE OF OCCUPANCY

BOROUGH MANHATTAN **DATE:** JUN 10 1998 **NO.** 114945

This certificate supersedes C.O. NO ZONING DISTRICT M1-5

THIS CERTIFIES that the new—altered—~~existing~~—building—premises located at

75-77 CLARKSON STREET Block 601 Lot 1

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
CELLAR	OG					COMM	STORAGE
1ST FLOOR	100	74			8	COMM	RETAIL STORE (AEE)
	OG	299			8	COMM	ADULT ENTERTAINMENT ESTABLISHMENT
					12	F-4	CABARET
					6	F-4	EATING & DRINKING ESTABLISHMENT
MEZZANINE	50	2			6	E	OFFICES

THIS CERTIFICATE OF OCCUPANCY MUST BE POSTED WITHIN THE BUILDING IN COMPLIANCE WITH THE RULES OF THE DEPARTMENT PROMULGATED MARCH 31ST, 1957.

OPEN SPACE USES _____
(SPECIFY—PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

M.G.

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED M-10

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

Roy A. Lirioni, R.E. — BOROUGH SUPERINTENDENT

Joseph Rubin, R.A. — COMMISSIONER

☐ ORIGINAL ☐ OFFICE COPY - DEPARTMENT OF BUILDINGS ☐ COPY

B Form 34 (Back) (Rev. 8/82)

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING at a point on the NORTH side of CLARKSON STREET distant 0 feet from the corner formed by the intersection of EAST CLARKSON STREET and WEST STREET

running thence ..... feet; thence ..... feet;

thence EAST 106.9 feet; thence NORTH 75.0 feet;

thence WEST 111.7 1/4 feet; thence SOUTH 75.0 feet;

thence ..... feet; thence ..... feet;

to the point or place of beginning.

101293949

N.B. or ALT. No. DATE OF COMPLETION 4/21/98 CONSTRUCTION CLASSIFICATION CLASS 3NON-FIREPROOF

BUILDING OCCUPANCY GROUP CLASSIFICATION COMMERCIAL HEIGHT STORIES 1 FEET 17'-6"

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM			AUTOMATIC SPRINKLER SYSTEM		
YARD HYDRANT SYSTEM					
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM					
SMOKE DETECTOR					
FIRE ALARM AND SIGNAL SYSTEM					

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER [ ] B) COMBINED SEWER [X] C) PRIVATE SEWAGE DISPOSAL SYSTEM [ ]

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER [ ] B) COMBINED SEWER [X] C) PRIVATE SEWAGE DISPOSAL SYSTEM [ ]

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO. _____

CITY PLANNING COMMISSION CAL. NO. _____

OTHERS:

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156 LEROY STREET **MANHATTAN 10014** **BIN# 1010386**

LEROY STREET 156 - 158

H□□□□□ Ar□□	: 6400	T□□ B□□□□	: 601
C□□□□□ Tr□□□	: 69	T□□ L□□	: 10
C□□ □ □□□□ B□□rd	: 102	C□□d□	: NO
B□□d□□□□ □□ L□□	: 1	V□□□□□	: NO

V□□□ DCP Addr□□□□□... Br□□ □□ B□□□□

V□□□ Z□□□□□ D□□□□ □□□□ V□□□ C□□□□□□□□ R□□□□□ V□□□ C□r□□□□□□□□ □□O□□□□□□□□

Cr□□□ S□r□□(□):	WASHINGTON STREET, JOE DIMAGGIO HIGHWAY		
DOB S□□□□□□P□□□□ N□□ □:			
DOB B□□d□□□ R□□ □r□□:			
L□□d□ □r□ S□□□□□:		S□□□□□□S□□□□□:	N/A
L□□□□L□□:	NO	L□□□L□□:	NO
SRO R□□□r□□□□d:	NO	TA R□□□r□□□□d:	NO
UB R□□□r□□□□d:	NO		
L□□□□ 'E' R□□□r□□□□d:	N/A	Gr□□d□□□□□r□d S□□□:	NO
L□□□□Ad□□□U□□:	NO	C□□□ O□ □□d:	NO
Add□□□□□□BIN□ □□r B□□d□□□:	NONE		

S□□□□□□D□□□r□□□: UNKNOWN

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D□□□r□□ □□□□□F□□□□□□ B□□d□□□ C□□□□□□□□□□□□□: F5-FACTORY/INDSTRIAL

P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

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C□□ □□□□□□□	0	0
V□□□□□□□□□□-DOB	2	0
V□□□□□□□□□□-ECB (DOB)	1	0
□□□□F□□□□□	9	
ARA □LAA □□□□	0	
T□□□□□□□□□	9	
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Pr□□□r□□ Pr□□□□□ O□□r□□□□

NO BOILER RECORDS FOUND FOR THIS PROPERTY

156 LEROY STREET		**MANHATTAN 10014**		**BIN# 1010386**	
LEROY STREET	156 - 158	**H□□□□□ Ar□□**	: 6400	**T□□ B□□□□**	: 601
		C□□□□□ Tr□□□	: 69	**T□□ L□□**	: 10
		C□□ □ □□□□□ B□□rd	: 102	**C□□d□**	: NO
		B□□d□□□□ □□ L□□	: 1	**V□□□□□**	: NO

V□□□ DCP Addr□□□□□... **Br□□ □□ B□□□□**

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Cr□□□ S□r□□□(□):	WASHINGTON STREET, JOE DIMAGGIO HIGHWAY		
DOB S□□□□□□P□□□□ N□□ □:			
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L□□d□ □r□ S□□□□□:		**S□□□□□□S□□□□□:**	N/A
L□□□□L□□:	NO	**L□□□L□□:**	NO
SRO R□□□r□□□□d:	NO	**TA R□□□r□□□□d:**	NO
UB R□□□r□□□□d:	NO		
L□□□□□ 'E' R□□□r□□□□d:	N/A	**Gr□□d□□□□□r□d S□□□:**	NO
L□□□□Ad□□□U□□:	NO	**C□□□ O□ □□d:**	NO
Add□□□□□□BIN□ □□r B□□d□□□:	NONE		

S□□□□□□D□□□r□□□: UNKNOWN

T□□□ □r□□□r□□ □□ □□□□□□□□□d □□ □□ □r□□ □□□□□ □□ □□ □□□□□□□□d □□ T□d□□W□□□□□d□, Fr□□□□ □□□r W□□□□□d□, □r C□□□□□□Er□□□□□ H□□□rd Ar□□. Click here for more information

D□□□r□□ □□□□□F□□□□□ B□□d□□□ C□□□□□□□□□□□□: F5-FACTORY/INDSTRIAL

P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	T□□□□	**O□□□**
C□□ □□□□□□□	0	0
V□□□□□□□□□-DOB	2	0
V□□□□□□□□□-ECB (DOB)	1	0
□□□□F□□□□□	9	
ARA □LAA □□□□	0	
T□□□□□□□□	9	
A□□□□□	38	

OR E□□□r A□□□□□ T□□□:

OR S□□□□□□r□□ L□□□:

Select...

AND Show Actions

- **E□□□□□□r R□□□rd□**
- **E□□□r□□□□A□□□□□□□□□□**
- **P□r□ □□□ I□-Pr□□□□□ □I□□□□d**
- **I□□□□ □□□□□d S□□□□ A□□□□□P□r□ □□□**
- **P□□□ □□□□ I□□□□□□□□□□**
- **O□□□ P□□□ □□□□ □□□□ □W□r□ T□□□□**
- **F□□□d□□**
- **M□r□□□□A□□□□□P□r□ □□□**
- **B□□□r R□□□rd□**
- **DEP B□□□r I□□□r□ □□□□□**
- **Cr□□□ I□□□r□ □□□□□**
- **A□□r H□□r□V□r□□□□P□r□ □□□**

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC D□□□r□□ □□□□□B□□d□□□□

ECB Q□□r□ B□ L□□□□□□□

P□□□: 1 □□1

Pr□□ □□□□: 156 LEROY STREET MANHATTAN

BIN: 1010386 B□□□□: 601 L□□: 10 CB: 102

D□□□. □□B□□d□□□□ V□□□□□□□□□□ & C□□ □□□□□□□□	
T□□□□I□□□□d = 1	O□□□ (N□□-C□□ □□□□□□□) = 0

ECB H□□r□□□□	
C□□ □□□□□d □D□□□□□□d = 1	P□□d□□□ = 0

ECB N□□ □□r	D□□□. □□B□□d□□□□ V□□□□□□□□ S□□□□□	R□□□□□d□□□	ECB H□□r□□□ S□□□□□	V□□□D□□□	I□□r□□□□□□ C□d□□	ECB P□□□□□□ D□□
34104355R	RESOLVED - CERTIFICATE ACCEPTED	RAFFETTO RICHARD	STIPULATION/IN-VIO	01/28/1994	B02	$0.00
	S□□□r□□□: NON-HAZARDOUS			V□□□T□□□: CONSTRUCTION		

C□□ □□□□□□□ S□□□□□ (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

ECB H□□r□□□ S□□□□□ and the ECB P□□□□□□ D□□ are separate from C□□ □□□□□□□ S□□□□□ (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

S□□□r□□□ C□□□□	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

V□□□□□□□□ S□□□□□ D□□□r□□□□□□	ECB H□□r□□□ S□□□□□
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC D□□□r□□ □□□□□B□□d□□□□

ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 156 LEROY STREET MANHATTAN **F□□d A□: 156 LEROY STREET , MANHATTAN , NY 10014**

BIN: 1010386 **B□□□□: 601** **L□□: 10** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 34104355R

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
H□□r□□□ S□□□□□: STIPULATION/IN-VIO
P□□□□□□ B□□□□□□ D□□: $0.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: RAFFETTO RICHARD
M□□□□□ Addr□□□: 172 EAST SNORE CULVER RD , BRANCHFIELD , NJ

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 01/28/1994 **V□□□□□□□ T□□□:** CONSTRUCTION
S□r□□d D□□□: 01/28/1994 **I□□□□□□□□□ U□□□:**

I□r□□□□□□ C□d□□	S□□□□□□ □□L□□	S□□□d□rd D□□□r□□□□□
B02	27-215	ALTERED BLDG OCCUPIED WITHOUT A VALID CERTIFICATE OF OCCUPANCY

S□□□□□□ V□□□□□□□ C□□d□□□□(□) □□d R□□ □d□:
ALTERED BUILDING OCCUPIED WITHOUT A VALID COFO NOTED: BUILDING ALTEREDUNDER APPLICATION #100451887 FULLY OCCUPIED. REMEDY:OBTAIN VALID COFO

I□□□□□ I□□□□□□□r ID: 0725 **DOB V□□□□□□□ N□□ □□r:** 012894C02GG01
I□□□□d □□ A□□r□□□□□d L□□□: NO

D□□□. □□B□□d□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
C□□ □□□□□□ O□: 06/20/2006

S□□□□□□□d C□□ □□□□□□ D□□ D□□□: 06/01/1994

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 03/17/1994 **H□□r□□□ S□□□□□:** STIPULATION/IN-VIO
H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $350.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□d:	$350.00
P□□□□□ B□□□□□□ D□□:	$0.00

ECB V□□□□□□□ H□□□□r□

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C□□ □□□□□□ (□□□□-□□□r□□): 06/20/2006

H□□r□□□ E□□□□□

H□□r□□□ A□□□□□□d O□: 04/07/1994

S□□□□□□□□□ (□□□□□r□□): 03/17/1994

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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Form 54-C (Rev. 4/62)-42M-201190(61) [illegible] 111

60

DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

Date December 27, 1971 No. 71474

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No.

THIS CERTIFIES that the ~~new~~ altered ~~existing~~ building premises located at 156-158 Leroy Street Block 601 Lot 10

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the south side of Leroy Street distant 125 feet west from the corner formed by the intersection of Leroy Street and Washington Street

running thence west 50 feet; thence south 101'9" feet;

thence east 50 feet; thence north 101'9" feet;

running thence ..... feet; thence ..... feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646c of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~New~~ Alt. No.— 139-1962 Construction classification— Class 3 Nonfireproof

Occupancy classification— Commercial . Height 1 stories, 15 feet.

Date of completion— September 24, 1971 . Located in M 1-5 Zoning District.

at time of issuance of permit.

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: and The City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces .....

Off-Street Loading Berths .....

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
1st	On Ground	10	Storage, shipping, waste paper baling and office.

[illegible] Borough Superintendent

OFFICE COPY—DEPARTMENT OF BUILDINGS

PERMISSIBLE USE AND OCCUPANCY (continued)

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE

Borough Superintendent

B Form 54 (Rev. 6 85)

THE CITY OF NEW YORK

DEPARTMENT OF BUILDINGS

ALT# 1230/85

CERTIFICATE OF OCCUPANCY

BOROUGH MANHATTAN DATE: [illegible] NO. 21035

This certificate supersedes C.O. No. ZONING DISTRICT M1-5

THIS CERTIFIES that the new—altered—existing—building—premises located at

130 LeRoy Street Block 591 Lot 13

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS PER SQ. FT	MAXIMUM NO OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1st Floor	C.G.	10			16	B-1	Auto Body Repairs
			COMMERCIAL OLD CODE				

OPEN SPACE USES _____

(SPECIFY—PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

BOROUGH SUPERINTENDENT COMMISSIONER

☐ ORIGINAL ☐ OFFICE COPY—DEPARTMENT OF BUILDINGS ☐ COPY

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING at a point on the South side of Leroy Street distant 115'2" feet from the corner formed by the intersection of [illegible] and

running thence Leroy Street feet thence Washington Street feet
thence West 50'0" feet thence South 101'0" feet
thence East 50'0" feet thence North 103'5" feet
thence feet thence feet
to the point or place of beginning.

NEW or ALT. No. 1230/65 DATE OF COMPLETION 10/8/67 CONSTRUCTION CLASSIFICATION CL 3H.F.P.
BUILDING OCCUPANCY GROUP CLASSIFICATION HEIGHT 1 STORIES 15' FEET
B-1, Commercial

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS

	YES	NO		YES	NO
ANDPIPE SYSTEM			AUTOMATIC SPRINKLER SYSTEM		
YARD HYDRANT SYSTEM					
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM					
SMOKE DETECTOR					
FIRE ALARM AND SIGNAL SYSTEM					

STORM DRAINAGE DISCHARGES INTO:
A) STORM SEWER ☐ B) COMBINED SEWER ☐ PRIVATE SEWAGE DISPOSAL SYSTEM ☐

SANITARY DRAINAGE DISCHARGES INTO:
A) SANITARY SEWER ☐ B) COMBINED SEWER ☐ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

LIMITATIONS OR RESTRICTIONS:
BOARD OF STANDARDS AND APPEALS CAL. NO.
CITY PLANNING COMMISSION NO.
OTHERS

THE CITY OF NEW YORK

ALT 100451887

DEPARTMENT OF BUILDINGS

CERTIFICATE OF OCCUPANCY

BOROUGH MANHATTAN **DATE:** AUG 23 1994 **NO.** 105672

This certificate supersedes C.O. NO ZONING DISTRICT M1-5

THIS CERTIFIES that the ~~new~~ altered ~~existing~~ building—premises located at

156-158 LEROY STREET Block 601 Lot 10

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN.

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
1ST FLOOR	O.G.	25			17	D2	SHIPPING & RECEIVING OFFICE TOILET, PRODUCTION, STORAGE COOLER, FREEZERS
2ND FLOOR	100	21			6	E	OFFICES, CONFERENCE ROOM

THIS CERTIFICATE OF OCCUPANCY MUST BE POSTED WITHIN THE BUILDING IN C. O. NO. WITH THE RULES OF THE DEPARTMENT PROMULGATED MARCH 31ST, 1967.

OPEN SPACE USES _____
(SPECIFY—PARKING SPACES, LOADING BERTHS, OTHER USES, NONE)

M.C.

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

Romy A. Lanson, R.E.

BOROUGH SUPERINTENDENT

COMMISSIONER

☐ ORIGINAL ☑ OFFICE COPY - DEPARTMENT OF BUILDINGS ☐ COPY

B Form 34 (Back) (Rev. 4-82)

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING at a point on the SOUTHERLY side of LEROY STREET distant 125'-0 3/4" feet from the corner formed by the intersection of LEROY STREET and WASHINGTON STREET

running thence ..... feet; thence ..... feet;

thence SOUTHERLY 100'-0" feet; thence WESTERLY 48'-7 1/4" feet;

thence NORTHERLY 100'-0 1/2" feet; thence EASTERLY 49'-11 1/2" feet;

thence ..... feet; thence ..... feet;

to the point or place of beginning.

100451887
~~NEW~~ ALT. No. DATE OF COMPLETION 4/15/94 CONSTRUCTION CLASSIFICATION 11-C

BUILDING OCCUPANCY GROUP CLASSIFICATION	HEIGHT STORIES.	FEET
COMMERCIAL	2	25'

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM			AUTOMATIC SPRINKLER SYSTEM	X	
YARD HYDRANT SYSTEM					
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM					
SMOKE DETECTOR					
FIRE ALARM AND SIGNAL SYSTEM					

STORM DRAINAGE DISCHARGES INTO:

A) STORM SEWER ☐ B) COMBINED SEWER ☐ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

SANITARY DRAINAGE DISCHARGES INTO:

A) SANITARY SEWER ☐ B) COMBINED SEWER ☐ C) PRIVATE SEWAGE DISPOSAL SYSTEM ☐

LIMITATIONS OR RESTRICTIONS:

BOARD OF STANDARDS AND APPEALS CAL. NO. _____

CITY PLANNING COMMISSION CAL. NO. _____

OTHERS:

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NYC D□□□r□□ □□□□□B□□d□□□□

Pr□□□r□□ Pr□□□□□ O□□r□□□□

354 WEST STREET **MANHATTAN 10014** **BIN# 1080182**

WEST STREET 354 - 354

H□□□□□ Ar□□	: 6400	T□□ B□□□□	: 601
C□□□□□ Tr□□□	: 69	T□□ L□□	: 1
C□□ □ □□□□ B□□rd	: 102	C□□d□	: NO
B□□d□□□□ □□ L□□	: 4	V□□□□□	: NO

V□□□ DCP Addr□□□□□... Br□□ □□ B□□□□

V□□□ Z□□□□□ D□□□□ □□□□ V□□□ C□□□□□□□□ R□□□□□ V□□□ C□r□□□□□□□□ □□O□□□□□□□□

Cr□□□ S□r□□(□):	CLARKSON STREET, LEROY STREET		
DOB S□□□□□□P□□□□ N□□ □:	A.E.-NOTIFY S.SHOR		
DOB B□□d□□□ R□□ □r□□:			
L□□d□ □r□ S□□□□□:		S□□□□□□S□□□□□:	N/A
L□□□□L□□:	NO	L□□□L□□:	NO
SRO R□□□r□□□□d:	NO	TA R□□□r□□□□d:	NO
UB R□□□r□□□□d:	NO		
L□□□□ 'E' R□□□r□□□□d:	N/A	Gr□□d□□□□□r□d S□□□:	NO
L□□□□Ad□□□U□□:	NO	C□□□ O□ □□d:	NO
Add□□□□□□BIN□ □□r B□□d□□□:	NONE		

S□□□□□□D□□□r□□□: UNKNOWN

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P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

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NO BOILER RECORDS FOUND FOR THIS PROPERTY

354 WEST STREET		**MANHATTAN 10014**		**BIN# 1080182**	
WEST STREET	354 - 354	**H□□□□ Ar□□**	: 6400	**T□□ B□□□□**	: 601
		C□□□□□ Tr□□□	: 69	**T□□ L□□**	: 1
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P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

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Pr□□ □□□□: 354 WEST STREET MANHATTAN **BIN: 1080182** **B□□□□: 601** **L□□: 1** **CB: 102**

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	S□□□r□□□: CLASS - 2	I□□□□□□U□□□: MANHATTAN CONSTRUCTION		V□□□T□□□: CONSTRUCTION		

C□□ □□□□□□ S□□□□□ (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

ECB H□□r□□□ S□□□□□ and the ECB P□□□□□□ D□□ are separate from C□□ □□□□□□ S□□□□□ (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

S□□□r□□□ C□□□□	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

V□□□□□□□ S□□□□□ D□□□r□□□□□	ECB H□□r□□□ S□□□□□
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

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Pr□□ □□□□: 354 WEST STREET MANHATTAN **F□□d A□: 354 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1080182 **B□□□□: 601** **L□□: 1** **C□□ □ □□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 34938558H

S□□□r□□: CLASS - 2

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
H□□r□□□ S□□□□□: DEFAULT
P□□□□□ B□□□□□□ D□□: $530.00

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N□□ □: BERGNAT REALTY ASSOC
M□□□□□ Addr□□□: 551 MADISON AVENUE , NY , NY 10022

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 07/24/2012 **V□□□□□□□ T□□□:** CONSTRUCTION
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202	28-301.1	FAILURE TO MAINTAIN BLDG IN CODE-COMPLIANT MANNER

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FAILURE TO MAINTAIN BUILDING IN A CODE COMPLAINT MANNER. DEFECTS NOTED: AT TIME OF INSPECTION CRACKS ARE EVIDENT IN STUCCO FACADE AT EXPOSURES 1 & 2. MISSING FIRE RATING IN BASEMENT,JOISTS EXPOSED IN SPORATIC

I□□□□□ I□□□□□□□r ID: 2335 **DOB V□□□□□□□ N□□ □□r:** 072412C02MT07
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C□r□□□□□□□□ D□□□□□r□□□□D□□□: 09/18/2012

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB H□□r□□□ I□□□r□ □□□□□

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NYC Buildings

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355 WEST STREET | **MANHATTAN 10014** | **BIN# 1084424**

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NO BOILER RECORDS FOUND FOR THIS PROPERTY

355 WEST STREET		**MANHATTAN 10014**		**BIN# 1084424**	
WEST STREET	355 - 355	**H□□□□□ Ar□□**	: 6400	**T□□ B□□□□**	: 601
		C□□□□□ Tr□□□	: 69	**T□□ L□□**	: 1
		C□□ □ □□□□ B□□rd	: 102	**C□□d□**	: NO
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V□□□ DCP Addr□□□□□... **Br□□ □□ B□□□□**

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P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

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Form 22-20M-13041 — 114

DEPARTMENT OF HOUSING AND BUILDINGS JS

BOROUGH OF MANHATTAN, CITY OF NEW YORK

No. 28948

Date May 6, 1942

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C.26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~—altered—~~existing~~—building—~~premises~~ located at

355 West Street Block 601 Lot 2

25 ft. front, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~N.B.~~ or Alt. No.— 894-1941 Construction classification— Nonfireproof

Occupancy classification— Commercial . Height 1 stories, 13'6" feet.

Date of completion— April 15, 1942 . Located in Unrestricted Use District.

A Area 2 . Height Zone at time of issuance of permit 54-1941

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED			USE
		MALE	FEMALE	TOTAL	
Cellar	on ground				Storage
1st Story	100				Store and Office.

Sec. 6.1.2.3 sub-4 Building Code, C.26-273.0 Adm. Code

Prior to the occupation of any structure erected or altered after Jan. 1st, 1938 the authorized occupancy of each floor of such structure, as stated in the certificate of occupancy, shall be permanently posted under glass and maintained in the main entrance hall of such structure.

Borough Superintendent.

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there by any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Housing and Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

25

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356 WEST STREET | **MANHATTAN 10014** | **BIN# 1080183**

WEST STREET 356 - 356

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C□□□□□ Tr□□□	: 69	T□□ L□□	: 1
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P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

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NO BOILER RECORDS FOUND FOR THIS PROPERTY

356 WEST STREET		**MANHATTAN 10014**		**BIN# 1080183**	
WEST STREET	356 - 356	**H□□□□□ Ar□□**	: 6400	**T□□ B□□□□**	: 601
		C□□□□□ Tr□□□	: 69	**T□□ L□□**	: 1
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BC

DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

Date June 23, 1967 No. 64605

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No. 28945

THIS CERTIFIES that the ~~new~~ altered ~~existing~~ building—premises located at 356 West Street Block 601 Lot Part of 3

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the east side of West Street distant feet from the corner formed by the intersection of and

running thence "SEE STATEMENT "A" of Alt. 93-1965 feet; thence feet;

thence feet; thence feet;

running thence feet; thence feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~NB.~~ or Alt. No. 93-1965 Construction classification— Class 3 Nonfireproof

Occupancy classification—Commercial Building . Height One stories, 19 feet.

Date of completion— June 7, 1967 . Located in M 1-5 Zoning District.

at time of issuance of permit. 5326-1966, 1415-1967

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals:
and The City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces

Off-Street Loading Berths

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
1st	On Ground	5	Automobile repair shop including body repairs, Use group 16.

Sec. 6.1.23 sub-4 Building Code, C.26-273.0 Adm. Code

~~Prior to the~~ occupancy of a structure erected or altered after January 1, 1938, the authorized occupancy of each floor of said structure as noted in the certificate of occupancy shall be permanently posted in a glass case and maintained in the main entrance hall of such structure.

Theodore M. Cosgrove

Borough Superintendent

OFFICE COPY—DEPARTMENT OF BUILDINGS

PERMISSIBLE USE AND OCCUPANCY (continued)

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE

Borough Superintendent

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357 WEST STREET **MANHATTAN 10014** **BIN# 1010383**

WEST STREET 357 - 357

H□□□□□ Ar□□	: 6400	**T□□ B□□□□**	: 601
C□□□□□ Tr□□□	: 69	**T□□ L□□**	: 4
C□□ □ □□□□□ B□□rd	: 102	**C□□d□**	: NO
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V□□□ DCP Addr□□□□□... **Br□□ □□ B□□□□**

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P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

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NO BOILER RECORDS FOUND FOR THIS PROPERTY

357 WEST STREET **MANHATTAN 10014** **BIN# 1010383**

WEST STREET 357 - 357

H□□□□ Ar□□	: 6400	T□□ B□□□□	: 601
C□□□□□ Tr□□□	: 69	T□□ L□□	: 4
C□□ □ □□□□ B□□rd	: 102	C□□d□	: NO
B□□d□□□□ □□ L□□	: 1	V□□□□□	: NO

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P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

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DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

Date May 14, 1971 No. 70536

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No. 30712 & 70389 Temp.

THIS CERTIFIES that the new—building—premises located at 357 West Street Block 601 Lot 4

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the east side of West Street distant 75 feet north from the corner formed by the intersection of Clarkson Street and West Street

running thence east 110' feet; thence north 25' feet;

thence west 110' feet; thence south 25' feet;

running thence ..... feet; thence ..... feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646c of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

N.B. No.— 2-1968 Construction classification— Class 5 Metal

Occupancy classification— Commercial . Height 1 stories, 12 feet.

Date of completion— May 12, 1971 . Located in M 1-5 Zoning District.

at time of issuance of permit 1071-1968

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: and The City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces .....

Off-Street Loading Berths .....

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
Crawl	Space	On Ground	Crawl Space.
1st	100	60	Diner, Eating and Drinking Place, Use Group 6.

Cornelius F. Dennis
Borough Superintendent

OFFICE COPY—DEPARTMENT OF BUILDINGS

CERTIFICATE OF OCCUPANCY MUST BE POSTED WITHIN THE BUILDING IN ACCORDANCE WITH THE RULES OF THE DEPARTMENT PROMULGATED MARCH 31ST, 1967.

PERMISSIBLE USE AND OCCUPANCY (continued)

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE

Borough Superintendent

DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

No. 72451

Date June 24, 1960

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No. 30712

To the owner or owners of the building or premises:

THIS CERTIFIES that the ~~new~~—altered—~~existing~~-building—premises located at

357 West Street Block 601 Lot 4

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

Year Alt. No.— 1221-1959 Construction classification— - - -

Occupancy classification— Commercial . Height - - - stories, - - - feet.

Date of completion— June 23, 1960 . Located in Unrestricted Use District.

A Area 2 . Height Zone at time of issuance of permit 1255-1960

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED			USE
		MALE	FEMALE	TOTAL	
Ground					Parking and storage lot for more than five (5) motor vehicles.
	Sec. 61.13 sub-4 Building Code C26-273.0 Adm. Code "Prior to the occupancy of a structure erected or altered after January 1, 1938, the authorized occupancy of each floor of said structure as stated in the [illegible] shall be permanently posted under glass and maintained in the main entrance hall of such structures."				

Thomas V. [illegible]

Borough Superintendent

CERTIFICATE WILL BE NULL AND VOID IF ALTERED IN ANY MANNER OR ADDITIONS ARE MADE THERETO

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHAI BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no change rearrangement in the structural parts of the building, or affecting the light and ventilation of any part there or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing height shall be made; nor shall the building be moved from one location or position to another; nor shall the be any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certifie

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in t construction in any story shall not exceed the live loads specified on reverse side; the number of persons of eith sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of per in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fix by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possessi or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as m be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtain the special certificates required for the use and operation of elevators; nor from the installation of fire al systems where required by law; nor from complying with any lawful order for additional fire extinguishi appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful ord issued with the object of maintaining the building in a safe or lawful condition; nor from complying with a authorized direction to remove encroachments into a public highway or other public place, whether attached or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicat on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all t provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under t jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be repl by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspe and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted the reverse side, and that on information and belief, since that date there has been no alteration or conversi to a use that changed its classification as defined in the Building Code, or that would necessitate compliance wi some special requirement or with the State Labor Law or any other law or ordinance; that there are no notic of violations or orders pending in the Department of Buildings at this time; that Section 646F of the New York Ci Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintende and that, so long as the building is not altered, except by permission of the Borough Superintendent, the ex use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substanc articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishi equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and l certified his approval in writing of the installation of such containers, systems or equipment to the Boron Superintendent of the borough in which the installation has been made. Such approval shall be recorded the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

55-SM 101313 114

DEPARTMENT OF HOUSING AND BUILDINGS

JT/
1c

BOROUGH OF MANHATTAN, CITY OF NEW YORK

No. 3712

Date January 20, 1945

CERTIFICATE OF OCCUPANCY

(Standard form adopted by the Board of Standards and Appeals and issued pursuant to Section 646 of the New York Charter, and Sections C26-181.0 to C26-187.0 inclusive Administrative Code 2.1.3.1. to 2.1.3.7. Building Code.)

This certificate supersedes C. O. No.

To the owner or owners of the building or premises:

THIS CERTIFIES that the new—~~altered~~—existing—building—~~premises~~ located at

357 West street
14 ft. front

Block 601 Lot 4

, conforms substantially to the approved plans and specifications, and to the requirements of the building code and all other laws and ordinances, and of the rules and regulations of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

N.B. ~~or Alt.~~ No.— 175-1944

Construction classification— Metal

Occupancy classification— Commercial

Height 1 stories, 11 feet.

Date of completion— January 15, 1945

Located in Unrestricted Use District.

A Area 2 times Height Zone at time of issuance of permit 1250-1944.

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED			USE
		MALE	FEMALE	TOTAL	
1st story				60	Dining-room, kitchen and storage.

SUPERSEDED BY C.O. 52464

Borough Superintendent.

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

Unless an approval for the same has been obtained from the Borough Superintendent, no change or rearrangement in the structural parts of the building, or affecting the light and ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there by any reduction or diminution of the area of the lot or plot on which the building is located.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

The superimposed, uniformly distributed loads, or concentrated loads producing the same stresses in the construction in any story shall not exceed the live loads specified on reverse side; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

This certificate does not in any way relieve the owner or owners or any other person or persons in possession or control of the building, or any part thereof from obtaining such other permits, licenses or approvals as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from obtaining the special certificates required for the use and operation of elevators; nor from the installation of fire alarm systems where required by law; nor from complying with any lawful order for additional fire extinguishing appliances under the discretionary powers of the fire commissioner; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

If this certificate is marked "Temporary", it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to any building under the jurisdiction of the Housing Division unless it is also approved and endorsed by them, and it must be replaced by a full certificate at the date of expiration.

If this certificate is for an existing building, erected prior to March 14, 1916, it has been duly inspected and it has been found to have been occupied or arranged to be occupied prior to March 14, 1916, as noted on the reverse side, and that on information and belief, since that date there has been no alteration or conversion to a use that changed its classification as defined in the Building Code, or that would necessitate compliance with some special requirement or with the State Labor Law or any other law or ordinance; that there are no notices of violations or orders pending in the Department of Housing and Buildings at this time; that Section 646F of the New York City Charter has been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent, and that, so long as the building is not altered, except by permission of the Borough Superintendent, the existing use and occupancy may be continued.

"§ 646 F. No certificate of occupancy shall be issued for any building, structure, enclosure, place or premises wherein containers for combustibles, chemicals, explosives, inflammables and other dangerous substances, articles, compounds or mixtures are stored, or wherein automatic or other fire alarm systems or fire extinguishing equipment are required by law to be or are installed, until the fire commissioner has tested and inspected and has certified his approval in writing of the installation of such containers, systems or equipment to the Borough Superintendent of the borough in which the installation has been made. Such approval shall be recorded on the certificate of occupancy."

Additional copies of this certificate will be furnished to persons having an interest in the building or premises, upon payment of a fee of fifty cents per copy.

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358 WEST STREET **MANHATTAN 10014** **BIN# 1010384**

WEST STREET	358 - 358	**H□□□□□ Ar□□**	: 6400	**T□□ B□□□□**	: 601
		C□□□□□ Tr□□□	: 69	**T□□ L□□**	: 5
		C□□ □ □□□□ B□□rd	: 102	**C□□d□**	: NO
		B□□d□□□□ □□ L□□	: 1	**V□□□□□**	: NO

V□□□ DCP Addr□□□□□... **Br□□ □□ B□□□□**

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L□□d□ □r□ S□□□□□:		**S□□□□□□S□□□□□:**	N/A
L□□□□L□□:	NO	**L□□□L□□:**	NO
SRO R□□□r□□□□d:	NO	**TA R□□□r□□□□d:**	NO
UB R□□□r□□□□d:	NO		
L□□□□□ 'E' R□□□r□□□□d:	N/A	**Gr□□d□□□□□r□d S□□□:**	NO
L□□□□Ad□□□U□□:	NO	**C□□□ O□ □□d:**	NO
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D□□□r□□ □□□□□F□□□□□□ B□□d□□□ C□□□□□□□□□□□□: O9-OFFICE BUILDINGS

P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

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V□□□□□□□□□□-ECB (DOB)	0	0
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ARA □LAA □□□□	0	
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Pr□□ □□□□: 358 WEST STREET MANHATTAN **BIN: 1010384** **B□□□□: 601** **L□□: 5**

VIOL	NUM	MD	SER#	STATUS	INSP-DATE	RECV-DATE	NAME
	101242	N	01	VOID			
N	100654	N	01	VOID	11/30/1992	01/08/1993	P 532 SACKNOFF DANIEL

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B□□□r-N□: 100654 **S□r□□□-N□:** 01 **T□□□:** COMMERCIAL LOW PRESSURE

B□□□r S□□□□□: VOID **R□□□□□ R□□□□r□d:**

F□□d A□: 358 WEST STREET **BIN: 1010384 BBL: 1-00601-00005**

L□□□□□d □□: GROUND FL

M□□□ □□B□□□r: **Y□□r:** 1988

O□□r6: No **N□-□□-B□□□r□:** 01

F□□: Yes **S□□□□□:** No

INSP-DATE	REC-DATE	ENTRY DATE	NAME	RESULTS	NYS CERTIFICATE
11/30/1992	01/08/1993	01/12/1993	SACKNOFF DANIEL	NO DEFECTS	532
06/05/1997			BERKOWITZ356/BLR	REMOVED/MODINE HEATERS	
06/29/2001			HARTFORD INS.CO	INS.REINSTATED	
03/01/2001			HARTFORD STEAM INS	INSURANCE CANCELLED	
10/08/1998			M.BARA 744	BLDG VACANT/NO ACCESS	

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□THERE IS NO DEP BOILER INFORMATION AVAILABLE FOR THIS BOROUGH □BLOCK □LOT

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Pr□□ □□□□: 358 WEST STREET MANHATTAN **BIN: 1010384** **B□□□□: 601** **L□□: 5**

NUMBER	TYPE	FILE DATE
V□062778AHS□33	DOB VIOLATION - DISMISSED	06/27/1978
DISMISSAL DATE: 00/00/0000		
V□081486CAEC02	DOB VIOLATION - DISMISSED	08/14/1986
V 090194LL629104866	DOB VIOLATION - ACTIVE	09/01/1994
V 082995LL629106451	DOB VIOLATION - ACTIVE	08/29/1995
V 021097LL629102390	DOB VIOLATION - ACTIVE	02/10/1997
V 091697LL6291169294	DOB VIOLATION - ACTIVE	09/16/1997
V□050498LL629105280	DOB VIOLATION - DISMISSED	05/04/1998
V□031699LL629101620	DOB VIOLATION - DISMISSED	03/16/1999
V□020700LL629101569	DOB VIOLATION - DISMISSED	02/07/2000
V□022701LL629101627	DOB VIOLATION - DISMISSED	02/27/2001
V□032602LL629101681	DOB VIOLATION - DISMISSED	03/26/2002
V 082404ZMTF01RNS	DOB VIOLATION - ACTIVE	08/24/2004

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I□□□□ D□□□:	09/01/1994	**V□□□□□□□ C□□□□□r□:**	V - DOB VIOLATION - ACTIVE
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I□□□□ D□□□:	02/10/1997	**V□□□□□□□ C□□□□□r□:**	V - DOB VIOLATION - ACTIVE
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DOB V□□□□□□□□ D□□□□□□ □□r 022701LL629101627

Pr□□ □□□□: 358 WEST STREET MANHATTAN **BIN: 1010384** **B□□□□: 601** **L□□: 5**

I□□□□ D□□□: 02/27/2001
V□□□□□□□ T□□□: LL6291 - LOCAL LAW 62/91 - BOILERS
V□□□□□□□ N□□ □□r: 01627
ECB N□.:
I□□r□□□□□ C□d□□:
D□□□r□□□□□:
D□□□□□□□□□:
C□d□: D - DISMISSED **D□□□:** 07/16/2002
I□□□□□□□r:
C□□ □ □□□: TCOCIA CANCELLED,BOILER REMOVED/MODINE HEATERS

V□□□□□□□ C□□□□□r□: V* - DOB VIOLATION - DISMISSED
D□□□□□ N□.: 00100654 - 01-COMMERCIAL

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DOB V□□□□□□□□ D□□□□□□ □□r 032602LL629101681

Pr□□ □□□□: 358 WEST STREET MANHATTAN **BIN: 1010384** **B□□□□: 601** **L□□: 5**

I□□□□ D□□□: 03/26/2002
V□□□□□□□ C□□□□□r□: V* - DOB VIOLATION - DISMISSED
V□□□□□□□ T□□□: LL6291 - LOCAL LAW 62/91 - BOILERS
V□□□□□□□ N□□ □□r: 01681
D□□□□□ N□.: 00100654 - 01-COMMERCIAL
ECB N□.:
I□□r□□□□□□ C□d□□:
D□□□r□□□□□:
D□□□□□□□□□:
C□d□: D - DISMISSED **D□□□:** 07/16/2002
I□□□□□□□r:
C□□ □ □□□: TCOCIA CANCELLED,BOILER REMOVED/MODINE HEATERS

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DOB V□□□□□□□ D□□□□□□ □□r 082404ZMTF01RNS

Pr□□ □□□□: 358 WEST STREET MANHATTAN **BIN: 1010384** **B□□□□: 601** **L□□: 5**

I□□□□ D□□□:	08/24/2004	**V□□□□□□□ C□□□□□r□:**	V - DOB VIOLATION - ACTIVE
V□□□□□□□ T□□□:	Z - ZONING		
V□□□□□□□ N□□ □□r:	MTF01RNS	**D□□□□□ N□.:**	
ECB N□.:			
I□□r□□□□□□ C□d□□:			
D□□□r□□□□□□:			
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C □□O PDF L□□□□□□ □□r Pr□□□r□□

Pr□□ □□□□: 358 WEST STREET MANHATTAN **BIN: 1010384** **B□□□□: 601** **L□□: 5**

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THERE ARE NO CERTIFICATES OF OCCUPANCY ON FILE FOR THIS ADDRESS

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Pr□□□r□□ Pr□□□□□ O□□r□□□□

359 WEST STREET **MANHATTAN 10014** **BIN# 1010385**

WEST STREET	359 - 361	H□□□□□ Ar□□	: 6400	T□□ B□□□□	: 601
LEROY STREET	160 - 162	C□□□□□ Tr□□□	: 69	T□□ L□□	: 8
		C□□ □ □□□□ B□□rd	: 102	C□□d□	: NO
		B□□d□□□□ □□ L□□	: 1	V□□□□□	: NO

V□□□ DCP Addr□□□□□... Br□□ □□ B□□□□

V□□□ Z□□□□□ D□□□□ □□□□ V□□□ C□□□□□□□□ R□□□□□ V□□□ C□r□□□□□□□□ □□O□□□□□□□□

Cr□□□ S□r□□(□):	CLARKSON STREET, LEROY STREET		
DOB S□□□□□□P□□□□ N□□ □:			
DOB B□□d□□□ R□□ □r□□:			
L□□d□ □r□ S□□□□□:		S□□□□□□S□□□□□:	N/A
L□□□□L□□:	NO	L□□□L□□:	NO
SRO R□□□r□□□□d:	NO	TA R□□□r□□□□d:	NO
UB R□□□r□□□□d:	NO		
L□□□□ 'E' R□□□r□□□□d:	N/A	Gr□□d□□□□□r□d S□□□:	NO
L□□□□Ad□□□U□□:	NO	C□□□ O□ □□d:	NO
Add□□□□□□BIN□ □□r B□□d□□□:	NONE		

S□□□□□□D□□□r□□□: UNKNOWN

T□□□ □r□□□r□□ □□ □□□□□□□□□d □□ □□ □r□□ □□□□□ □□ □□ □□□□□□□□d □□ T□d□□W□□□□□d□, Fr□□□□ □□□r W□□□□□d□, □r C□□□□□□Er□□□□□ H□□□rd Ar□□. Click here for more information

D□□□r□□ □□□□□F□□□□□□ B□□d□□□ C□□□□□□□□□□□□□: G9-GARAGE/GAS STAT'N

P□□□□□ N□□□: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	T□□□□	O□□□
C□□ □□□□□□□	1	0
V□□□□□□□□□□-DOB	2	0
V□□□□□□□□□□-ECB (DOB)	15	0
□□□□F□□□□□	16	
ARA □LAA □□□□	0	
T□□□□□□□□□	16	
A□□□□□□	40	

OR E□□□r A□□□□□ T□□□:

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DEP B□□□r I□□□r□ □□□□

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B□□□r Q□□r□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **BIN: 1010385** **B□□□□: 601** **L□□: 8**

VIOL	NUM	MD	SER#	STATUS	INSP-DATE	RECV-DATE	NAME
	88356	N	01	VOID			

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B□□□r D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **BIN: 1010385 B□□□□: 601 L□□: 8**

B□□□r-N□: 88356 **S□r□□□-N□:** 01 **T□□□:** COMMERCIAL LOW PRESSURE

B□□□r S□□□□□: VOID **R□□□□□ R□□□□r□d:**

F□□d A□: 359 WEST STREET **BIN: 1010385 BBL: 1-00601-00008**

L□□□□□d □□: 160LEROY S

M□□□ □□B□□□r: **Y□□r:** 1940

O□□r6: No **N□-□□-B□□□r□:** 01

F□□: Yes **S□□□□□:** No

INSP-DATE	REC-DATE	ENTRY DATE	NAME	RESULTS	NYS CERTIFICATE
09/27/1994			NO BOILER AT ADDRESS	BOILER REMOVED	

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NYC DEP B□□□r l□□□r□ □□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **BIN: 1010385** **B□□□□: 601** **L□□: 8**

□THERE IS NO DEP BOILER INFORMATION AVAILABLE FOR THIS BOROUGH □BLOCK □LOT

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ECB Q□□r□ B□ L□□□□□□□

P□□□: 1 □□1

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **BIN: 1010385 B□□□□: 601 L□□: 8 CB: 102**

D□□□. □□B□□d□□□□ V□□□□□□□□□ & C□□ □□□□□□□	
T□□□□I□□□□d = 15	O□□□ (N□□-C□□ □□□□□□□) = 0

ECB H□□r□□□	
C□□ □□□□□d □D□□□□□□d = 15	P□□d□□□ = 0

ECB N□□ □□r	D□□□. □□B□□d□□□□ V□□□□□□□ S□□□□□	R□□□□□d□□□	ECB H□□r□□□ S□□□□□	V□□□D□□□	I□r□□□□□□ C□d□□	ECB P□□□□□□ D□□
34061683Z	RESOLVED - CURE ACCEPTED S□□□r□□□: NON-HAZARDOUS	OWNER OF 160 LEROY	CURED/IN-VIO	08/28/1991 V□□□T□□□: CONSTRUCTION	B5C	$0.00
34061684K	RESOLVED - CURE ACCEPTED S□□□r□□□: NON-HAZARDOUS	OWNER OF 160 LEROY	CURED/IN-VIO	08/26/1991 V□□□T□□□: CONSTRUCTION	B43	$0.00
34061685M	RESOLVED - CERTIFICATE ACCEPTED S□□□r□□□: NON-HAZARDOUS	OWNER OF 160 LEROY ST	IN VIOLATION	08/28/1991 V□□□T□□□: CONSTRUCTION	B27	$0.00
38204170Y	RESOLVED - CURE ACCEPTED S□□□r□□□: CLASS - 2	N.Y CONVENTION CENTER DEV I□□□□□□U□□□: ELEVATOR DIVISION	CURED/IN-VIO	07/13/2009 V□□□T□□□: ELEVATOR	251	$0.00
38064038P	RESOLVED - CERTIFICATE ACCEPTED S□□□r□□□: NON-HAZARDOUS	NY CONVENTION CENTER D	IN VIOLATION	09/22/1997 V□□□T□□□: ELEVATOR	BP7	$0.00
38064242M	RESOLVED - CERTIFICATE ACCEPTED S□□□r□□□: NON-HAZARDOUS	NY CONVENTION CENTER D	IN VIOLATION	09/29/1997 V□□□T□□□: ELEVATOR	BP7	$-200.00
38064243Y	RESOLVED - CERTIFICATE ACCEPTED S□□□r□□□: NON-HAZARDOUS	NY CONVENTION CENTER D	IN VIOLATION	09/29/1997 V□□□T□□□: ELEVATOR	BP7	$-100.00
38065829X	RESOLVED - CERTIFICATE ACCEPTED S□□□r□□□: NON-HAZARDOUS	N.Y. CONVENTION CENTER	IN VIOLATION	10/15/1997 V□□□T□□□: ELEVATOR	BP7	$-600.00
38065830N	RESOLVED - CERTIFICATE ACCEPTED S□□□r□□□: NON-HAZARDOUS	NY CONVENTION CENTER D	IN VIOLATION	10/15/1997 V□□□T□□□: ELEVATOR	BP7	$-600.00
38064245H	RESOLVED - CERTIFICATE ACCEPTED S□□□r□□□: NON-HAZARDOUS	NY CONVENTION CENTER D	IN VIOLATION	09/29/1997 V□□□T□□□: ELEVATOR	BP7	$-200.00
38064249P	RESOLVED - CERTIFICATE	NY CONVENTION CENTER	IN	09/30/1997	BP7	$-200.00

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	ACCEPTED **S□□□r□□□:** NON-HAZARDOUS	D	VIOLATION	**V□□□T□□□:** ELEVATOR		
38064250M	RESOLVED - CERTIFICATE ACCEPTED **S□□□r□□□:** NON-HAZARDOUS	NY CONVENTION CENTER D	IN VIOLATION	09/30/1997 **V□□□T□□□:** ELEVATOR	BP7	$-400.00
38064235Y	RESOLVED - CERTIFICATE ACCEPTED **S□□□r□□□:** NON-HAZARDOUS	NY CONVENTION CENTER D	IN VIOLATION	09/26/1997 **V□□□T□□□:** ELEVATOR	BP7	$-400.00
38064236X	RESOLVED - CERTIFICATE ACCEPTED **S□□□r□□□:** NON-HAZARDOUS	NY CONVENTION CENTER D	IN VIOLATION	09/26/1997 **V□□□T□□□:** ELEVATOR	BP7	$-200.00
38064244X	RESOLVED - CERTIFICATE ACCEPTED **S□□□r□□□:** NON-HAZARDOUS	NY CONVENTION CENTER D	IN VIOLATION	09/29/1997 **V□□□T□□□:** ELEVATOR	BP7	$-400.00

C□□ □□□□□□ S□□□□□ (Open/Resolved) relates to whether a violation has been corrected/uncorrected. Dismissed violations do not require filing a Certificate of Correction.

ECB H□□r□□□ S□□□□□ and the **ECB P□□□□□□ D□□** are separate from **C□□ □□□□□□ S□□□□□** (i.e. a penalty is still due in many cases even when the violating condition has been fixed).

S□□□r□□□ C□□□□	
Class 1 - Immediately Hazardous	HAZ - Hazardous - 1968 Building Code
Class 2 - Major	NON-HAZ - Non-hazardous - 1968 Building Code
Class 3 - Lesser	

V□□□□□□□ S□□□□□ D□□□r□□□□□□	**ECB H□□r□□□ S□□□□□**
OPEN - No Compliance Recorded	CURED/IN-VIO - In Violation/no hearing required
OPEN - Certificate Pending (Certificate of Correction submitted and under review)	STIPULATION/IN-VIO - No hearing required/in violation
OPEN - Certificate Disapproved (Certificate of Correction disapproved/not in compliance)	IN VIOLATION - Hearing decision completed
RESOLVED - N/A-Dismissed (at ECB - no Certificate of Correction required)	DISMISSED - Hearing decision completed
RESOLVED - Certificate Accepted (Certification of Correction Accepted/in compliance)	DEFAULT - Respondent failed to appear at hearing
RESOLVED - Cure Accepted (early correction accepted - in violation/no penalty or hearing)	PUBLICLY-OWNED - No hearing required
RESOLVED - Compliance Insp/Doc (condition verified by Inspector or by Dept. documentation)	PENDING - Awaiting ECB hearing or decision
	ADMIT/IN-VIO - In Violation/no hearing required
	WRITTEN OFF - Imposed penalty legally uncollectable

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 160 LEROY STREET , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 34061683Z

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CURE ACCEPTED
H□□r□□□ S□□□□□: CURED/IN-VIO
P□□□□□□ B□□□□□□ D□□: $0.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: OWNER OF 160 LEROY
M□□□□□ Addr□□□: 160 LEROY STREET , NYC , NY

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 08/28/1991 **V□□□□□□□ T□□□:** CONSTRUCTION
S□r□□d D□□□: 08/28/1991 **I□□□□□□□□□ U□□□:**

I□r□□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**
B5C 27- MISCELLANEOUS CONSTRUCTION VIOLATIONS

S□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:

POSTING OF PERMITS - AT TIME OF INSPECTION NO PERMITS POSTED OR AVAILABLE FOR INSPECTION AS TOLD TO ME BY MR. PERREZ CONTRACTOR AT SITE PERMIT #100084Z485 EX REMEDY HAVE PERMIT POSTED IN CONSPICUOUS AREA AT ALL

I□□□□□ I□□□□□□□r ID: 1092 **DOB V□□□□□□□ N□□ □□r:** 082891CSTC01
I□□□d □□ A□□r□□□□d L□□□: NO

D□□□. □□B□□d□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□□ S□□□□□: CURE ACCEPTED
C□□ □□□□□□□ O□: 09/30/1991

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 10/10/1991 **H□□r□□□ S□□□□□:** CURED/IN-VIO
H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $0.00
Ad□□□□□ □□□: $0.00

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A□ □□□□P□d:	$0.00
P□□□□□ B□□□□□□ D□□:	$0.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□ **H□□r□□□ E□□□□□**

C□r□ (□r□-□□□r□□□):	09/30/1991

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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NYC D□□□r□□ □□□□□B□□d□□□□

ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 160 LEROY STREET , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 34061684K

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CURE ACCEPTED
H□□r□□□ S□□□□□: CURED/IN-VIO
P□□□□□□ B□□□□□□ D□□: $0.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: OWNER OF 160 LEROY
M□□□□□ Addr□□□: 160 WEST STREET , MANHATTAN , NY

V□□□□□□□□ D□□□□□□

V□□□□□□□□ D□□□: 08/26/1991 **V□□□□□□□□ T□□□:** CONSTRUCTION
S□r□□d D□□□: 08/28/1991 **I□□□□□□□□□□ U□□□:**

I□r□□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**
B43 27-1009(C) FAILURE TO POST CONTRACTOR'S SIGN

S□□□□□□□ V□□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:

FAILURE TO PROVIDE CONTRACTORS SIGN. AT TIME OF INSPECTION NO CONTRACTORS SIGN IS AVAILABLE AT SITE REMEDY PROVIDE A CONTRACTORS SIGN TO CODE AS PER BLD CODE AT ALL TIMES DURING COURSE OF CONST. AT SITE

I□□□□□□ I□□□□□□□r ID: 1092 **DOB V□□□□□□□□ N□□ □□r:** 082691CSTC02
I□□□□d □□A□□r□□□□□d L□□□□: NO

D□□□. □□B□□d□□□□ C□□ □□□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□□ S□□□□□: CURE ACCEPTED
C□□ □□□□□□□ O□: 09/30/1991

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 10/10/1991 **H□□r□□□ S□□□□□:** CURED/IN-VIO
H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $0.00
Ad□□□□□ □□□□: $0.00

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A□ □□□□P□d:	$0.00
P□□□□□□ B□□□□□□ D□□:	$0.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□ **H□□r□□□ E□□□□□**

C□r□ (□r□-□□□r□□□):	09/30/1991

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NYC D□□□r□□ □□□□□B□□d□□□□

ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 160 LEROY STREET , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 34061685M

S□□□r□□: NON-HAZARDOUS

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
H□□r□□□ S□□□□□: IN VIOLATION
P□□□□□□ B□□□□□□ D□□: $0.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: OWNER OF 160 LEROY ST
M□□□□□ Addr□□□: 160 LEROY STREET , NYC , NY

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 08/28/1991 **V□□□□□□□ T□□□:** CONSTRUCTION
S□r□□d D□□□: 08/28/1991 **I□□□□□□□□□ U□□□:**

I□r□□□□□□ C□d□□	S□□□□□□ □□L□□	S□□□d□rd D□□□r□□□□□
B27	27-146	FAILURE TO PROVIDE APPROVED PLANS AT PREMISES AT TIME OF INSP

S□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:
FAILURE TO PROVIDE APPROVED PLANS AT PREMISES AT TIME OF INSPECTION -AT TIME OF INSPECTION WORKER AT SITE HAD PLANS THAT WERE NOT APPROVEDBY BLD DEPT. CONSTRUCTION INVOLVED FORMING OF FOOTINGS AND FOUNDATION

I□□□□□□ I□□□□□□□□r ID: 1092 **DOB V□□□□□□□□ N□□ □□r:** 082891CSTC03
I□□□□d □□ A□□r□□□□□d L□□□□: NO

D□□□. □□B□□d□□□□ C□□ □□□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
C□□ □□□□□□□ O□: 11/17/1992

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 10/10/1991 **H□□r□□□ S□□□□□:** IN VIOLATION
H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $55.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□d:	$55.00
P□□□□□ B□□□□□□ D□□:	$0.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□

H□□r□□□ E□□□□□

H□□r□□□ A□□□□□□d O□: 10/10/1991

C□□ □□□□□□ (□□□□-□□□r□□□): 11/17/1992

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38204170Y

S□□□r□□□: CLASS - 2

C□r□□□□□□□□□ S□□□□□: CURE ACCEPTED
H□□r□□□ S□□□□□: CURED/IN-VIO
P□□□□□□ B□□□□□□ D□□: $0.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: N.Y CONVENTION CENTER DEV
M□□□□□ Addr□□□: 655 WEST 34 STREET , NY , NY 10001

V□□□□□□□□ D□□□□□□

V□□□□□□□□ D□□□: 07/13/2009
S□r□□d D□□□: 07/13/2009
D□□□□□ T□□□: ELEVATOR
D□□□□□ N□□ □□r: 1E1272
V□□□□□□□□ T□□□: ELEVATOR
I□□□□□□□□□ U□□: ELEVATOR DIVISION

I□r□□□□□□ C□d□□	S□□□□□□ □□L□□	S□□□d□rd D□□□r□□□□□
251	28-301.1	FAILURE TO MAINTAIN BUILDING IN CODE-COMPLAINT MANNER:SERVICE EQUIPMEN T-ELEVATOR PER BC3001.2;27-987

S□□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:
89H10.11 94M7.96B7.71X10.71Q3.60X10.60Q3.89 STEP HEADS WORN REPAIR REPLACE 94 LOWER DECK BARRICADES 96 PROVIDE NEW SAFETY 97 ENTIRE DEVICE0

I□□□□□ I□□□□□□□r ID: 2171
DOB V□□□□□□□ N□□ □□r: 071309E2171A2
I□□□□d □□ A□□r□□□□□d L□□□□: NO

D□□□. □□B□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□□ S□□□□□: CURE ACCEPTED
C□□ □□□□□□□ O□: 08/24/2009

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 09/03/2009
H□□r□□□ T□□ □: 10:30
H□□r□□□ S□□□□□: CURED/IN-VIO

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ECB P□□□□□□ l□□□r□ □□□□

P□□□□□□ l□ □□□□d:	$0.00
Ad□□□□□ □□□:	$0.00
A□ □□□□P□d:	$0.00
P□□□□□□ B□□□□□□ D□□:	$0.00

ECB V□□□□□□□□ H□□□□r□

C□□ □□□□□□□ E□□□□□ **H□□r□□□ E□□□□□**

C□r□ (□r□-□□□r□□□):	08/24/2009

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38064038P

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

H□□r□□□ S□□□□□: IN VIOLATION

P□□□□□□ B□□□□□□ D□□: $0.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: NY CONVENTION CENTER D

M□□□□□ Addr□□□: 655 WEST 34 STREET , NY , NY 10001

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 09/22/1997 **V□□□□□□□ T□□□:** ELEVATOR

S□r□□d D□□□: 12/23/1997 **I□□□□□□□□□ U□□□:**

D□□□□□ T□□□: ELEVATOR

D□□□□□ N□□ □□r: 1E1293

I□r□□□□□□ C□d□□	S□□□□□□ □□L□□	S□□□d□rd D□□□r□□□□□
BP7	27-987	FAILURE TO MAINTAIN ELEVATOR

S□□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:

70I,

I□□□□□ I□□□□□□□r ID: 1466 **DOB V□□□□□□□ N□□ □□r:** 092297E1466A04

I□□□□d □□ A□□r□□□□□d L□□□□: NO

D□□□. □□B□□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

C□□ □□□□□□ O□: 06/10/2010

C□r□□□□□□□□ S□□□ □□□□□ D□□□: 06/10/2010

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ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 05/14/1998 **H□□r□□□ S□□□□□:** IN VIOLATION

H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $200.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□d:	$200.00
P□□□□□ B□□□□□ D□□:	$0.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□		**H□□r□□□ E□□□□□**	
		H□□r□□□ A□□□□□□d O□:	05/21/1998
C□□ □□□□□□ (□□□□-□□□r□□□):	06/10/2010	**Ad□□□r□□d:**	04/16/1998

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NYC D□□□r□□ □□□□□B□□d□□□□

ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38064242M

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

H□□r□□□ S□□□□□: IN VIOLATION

P□□□□□□ B□□□□□□ D□□: $-200.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: NY CONVENTION CENTER D

M□□□□□ Addr□□□: , ,

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 09/29/1997 **V□□□□□□□ T□□□:** ELEVATOR

S□r□□d D□□□: 12/05/1997 **I□□□□□□□□□ U□□□:**

D□□□□□ T□□□: ELEVATOR

D□□□□□ N□□ □□r: 1P36760

I□r□□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**

BP7 27-987 FAILURE TO MAINTAIN ELEVATOR

S□□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:

73U,30I,35M, 73-TAG ENTIRE DEVICE WITH CORRECT CITY #35-FIRE EXTINGUISHER

I□□□□□ I□□□□□□□r ID: 1317 **DOB V□□□□□□□ N□□ □□r:** 092997E1317A06

I□□□□d □□ A□□r□□□□□d L□□□□: NO

D□□□. □□B□□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

C□□ □□□□□□□ O□: 06/10/2010

C□r□□□□□□□□ S□□□ □□□□□□ D□□□: 06/10/2010

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 04/16/1998 **H□□r□□□ S□□□□□:** IN VIOLATION

H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $100.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□d:	$300.00
P□□□□□ B□□□□□ D□□:	$-200.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□		**H□□r□□□ E□□□□□**	
		H□□r□□□ A□□□□□□d O□:	01/22/1998
C□□ □□□□□□ (□□□□-□□□r□□□):	06/10/2010	**Ad□□□r□□d:**	02/27/1998

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38064243Y

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
H□□r□□□ S□□□□□: IN VIOLATION
P□□□□□□ B□□□□□□ D□□: $-100.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: NY CONVENTION CENTER D
M□□□□□ Addr□□□: , ,

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 09/29/1997 **V□□□□□□□ T□□□:** ELEVATOR
S□r□□d D□□□: 12/05/1997 **I□□□□□□□□□ U□□□:**
D□□□□□ T□□□: ELEVATOR
D□□□□□ N□□ □□r: E1317A07

I□r□□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**
BP7 27-987 FAILURE TO MAINTAIN ELEVATOR

S□□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:
35M-FIRE EXTINGUISHER

I□□□□□ I□□□□□□□r ID: 1317 **DOB V□□□□□□□ N□□ □□r:** 092997E1317A07
I□□□□d □□ A□□r□□□□□d L□□□□: NO

D□□□. □□B□□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
C□□ □□□□□□□ O□: 06/10/2010
C□r□□□□□□□□ S□□□ □□□□□ D□□□: 06/10/2010

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ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 04/16/1998 **H□□r□□□ S□□□□□:** IN VIOLATION
H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $100.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□d:	$200.00
P□□□□□ B□□□□□ D□□:	$-100.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□		**H□□r□□□ E□□□□□**	
		H□□r□□□ A□□□□□□d O□:	04/16/1998
C□□ □□□□□□ (□□□□-□□□r□□□):	06/10/2010	**Ad□□□r□□d:**	02/27/1998

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38065829X

S□□□r□□: NON-HAZARDOUS

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
H□□r□□ S□□□□□: IN VIOLATION
P□□□□□ B□□□□□□ D□□: $-600.00

R□□□□□d□□□l□□□r□ □□□□

N□□ □: N.Y. CONVENTION CENTER
M□□□□□ Addr□□□: 655 WEST 34 STREET , NEW YORK , NY 10001

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 10/15/1997 **V□□□□□□□ T□□□:** ELEVATOR
S□r□□d D□□□: 01/05/1998 **I□□□□□□□□□ U□□:**
D□□□□□ T□□□: ELEVATOR
D□□□□□ N□□ □□r: 1P34103

I□r□□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**
BP7 27-987 FAILURE TO MAINTAIN ELEVATOR

S□□□□□□ V□□□□□□□ C□□d□□□□(□) □□d R□□ □d□:
73X 73-PLACE BACK IN SERVICE FOR COMPLETE INSPECTION.

I□□□□□ I□□□□□□□r ID: 1317 **DOB V□□□□□□□ N□□ □□r:** 101597E1317A02
I□□□□d □□ A□□r□□□□□d L□□□: NO

D□□□. □□B□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□

C□r□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
C□□ □□□□□□ O□: 06/10/2010
C□r□□□□□□□ S□□□ □□□□□ D□□□: 06/10/2010

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ECB H□□r□□□ I□□□r□ □□□□

S□□□d□□d H□□r□□ D□□□: 04/16/1998 **H□□r□□ S□□□□□:** IN VIOLATION
H□□r□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□

P□□□□□ I□ □□□□d: $200.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□d:	$800.00
P□□□□□ B□□□□□ D□□:	$-600.00

ECB V□□□□□□□ H□□□r□

C□□ □□□□□□ E□□□□□		**H□□r□□□ E□□□□□**	
		H□□r□□□ A□□□□□□d O□:	04/20/1998
C□□ □□□□□□ (□□□□-□□□r□□□):	06/10/2010	**Ad□□□r□□d:**	02/27/1998
		D□□□□□:	04/20/1998

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38065830N

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

H□□r□□□ S□□□□□: IN VIOLATION

P□□□□□□ B□□□□□□ D□□: $-600.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: NY CONVENTION CENTER D

M□□□□□ Addr□□□: 655 WEST 34 STREET , NEW YORK , NY 10001

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 10/15/1997 **V□□□□□□□ T□□□:** ELEVATOR

S□r□□d D□□□: 01/05/1998 **I□□□□□□□□□ U□□□:**

D□□□□□ T□□□: ELEVATOR

D□□□□□ N□□ □□r: 1P34104

I□r□□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**

BP7 27-987 FAILURE TO MAINTAIN ELEVATOR

S□□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:

73X 73-PLACE BACK IN SERVICE FOR COMPLETE INSPECTION.

I□□□□□ I□□□□□□□r ID: 1317 **DOB V□□□□□□□ N□□ □□r:** 101597E1317A03

I□□□d □□ A□□r□□□□□d L□□□: NO

D□□□. □□B□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

C□□ □□□□□□□ O□: 06/10/2010

C□r□□□□□□□□ S□□□ □□□□□ D□□□: 06/10/2010

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ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□d H□□r□□□ D□□□: 04/16/1999 **H□□r□□□ S□□□□□:** IN VIOLATION

H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $200.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□d:	$800.00
P□□□□□ B□□□□□ D□□:	$-600.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□		**H□□r□□□ E□□□□□**	
		H□□r□□□ A□□□□□□d O□:	04/16/1998
C□□ □□□□□□ (□□□□-□□□r□□□):	06/10/2010	**Ad□□□r□□d:**	02/27/1998

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38064245H

S□□□r□□: NON-HAZARDOUS

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
H□□r□□□ S□□□□□: IN VIOLATION
P□□□□□□ B□□□□□□ D□□: $-200.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: NY CONVENTION CENTER D
M□□□□□ Addr□□□: , ,

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 09/29/1997 **V□□□□□□□ T□□□:** ELEVATOR
S□r□□d D□□□: 12/05/1997 **I□□□□□□□□□ U□□:**
D□□□□□ T□□□: ELEVATOR
D□□□□□ N□□ □□r: 1P33724

I□r□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**
BP7 27-987 FAILURE TO MAINTAIN ELEVATOR

S□□□□□□ V□□□□□□□ C□□d□□□□(□) □□d R□□ □d□:
21M,55R,35M,10M, 21-MISSING COVERS AND BULBS 55-RELOCATE PIT 35-FIRE EXTINGUISHER 10-FIRE SERVICE JEWEL MISSING.

I□□□□□ I□□□□□□□r ID: 1317 **DOB V□□□□□□□ N□□ □□r:** 092997E1317A09
I□□□□d □□ A□□r□□□□d L□□□: NO

D□□□. □□B□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
C□□ □□□□□□ O□: 06/03/2010
C□r□□□□□□□□ S□□□ □□□□□ D□□□: 06/03/2010

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ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□d H□□r□□□ D□□□: 04/16/1998 **H□□r□□□ S□□□□□:** IN VIOLATION
H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

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Penalty Imposed:	$100.00
Adjustment:	$0.00
Amount Paid:	$300.00
Penalty Balance Due:	$-200.00

ECB Violation Hearing

Case Status:	**Hearing Result**		
		Hearing Appealed On:	01/22/1998
Case Status (Updated):	06/03/2010	**Adjudicated:**	02/27/1998

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38064249P

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

H□□r□□□ S□□□□□: IN VIOLATION

P□□□□□□ B□□□□□□ D□□: $-200.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: NY CONVENTION CENTER D

M□□□□□ Addr□□□: , ,

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 09/30/1997 **V□□□□□□□ T□□□:** ELEVATOR

S□r□□d D□□□: 12/05/1997 **I□□□□□□□□□ U□□□:**

D□□□□□ T□□□: ELEVATOR

D□□□□□ N□□ □□r: 1S3851

I□r□□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**

BP7 27-987 FAILURE TO MAINTAIN ELEVATOR

S□□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:

02X,11I,36W,74M, 74-FIRE EXTINGUISHER

I□□□□□ I□□□□□□□r ID: 1317 **DOB V□□□□□□□ N□□ □□r:** 093097E1317A04

I□□□d □□ A□□r□□□□□d L□□□□: NO

D□□□. □□B□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

C□□ □□□□□□ O□: 06/03/2010

C□r□□□□□□□□ S□□□ □□□□□ D□□□: 06/03/2010

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ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□d H□□r□□□ D□□□: 04/16/1998 **H□□r□□□ S□□□□□:** IN VIOLATION

H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $100.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□d:	$300.00
P□□□□□ B□□□□□ D□□:	$-200.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□		**H□□r□□□ E□□□□□**	
		H□□r□□□ A□□□□□□d O□:	01/29/1998
C□□ □□□□□□ (□□□□-□□□r□□□):	06/03/2010	**Ad□□□r□□d:**	02/27/1998

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38064250M

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

H□□r□□□ S□□□□□: IN VIOLATION

P□□□□□□ B□□□□□□ D□□: $-400.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: NY CONVENTION CENTER D

M□□□□□ Addr□□□: , ,

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 09/30/1997 **V□□□□□□□ T□□□:** ELEVATOR

S□r□□d D□□□: 12/05/1997 **I□□□□□□□□□ U□□□:**

D□□□□□ T□□□: ELEVATOR

D□□□□□ N□□ □□r: 1F5525

I□r□□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**

BP7 27-987 FAILURE TO MAINTAIN ELEVATOR

S□□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:

07X,30P,74M, 30-REPAIR TOP AND BOTTOM SWITCHES 74-FIRE EXTINGUISHER

I□□□□□ I□□□□□□□r ID: 1317 **DOB V□□□□□□□ N□□ □□r:** 093097E1317A05

I□□□□d □□ A□□r□□□□□d L□□□□: NO

D□□□. □□B□□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

C□□ □□□□□□□ O□: 06/03/2010

C□r□□□□□□□□ S□□□ □□□□□ D□□□: 06/03/2010

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ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 04/16/1998 **H□□r□□□ S□□□□□:** IN VIOLATION

H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $200.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□d:	$600.00
P□□□□□ B□□□□□ D□□:	$-400.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□		**H□□r□□□ E□□□□□**	
		H□□r□□□ A□□□□□□d O□:	04/16/1998
C□□ □□□□□□ (□□□□-□□□r□□□):	06/03/2010	**Ad□□□r□□d:**	02/27/1998

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38064235Y

S□□□r□□: NON-HAZARDOUS

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

H□□r□□□ S□□□□□: IN VIOLATION

P□□□□□ B□□□□□□ D□□: $-400.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: NY CONVENTION CENTER D

M□□□□□ Addr□□□: , ,

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 09/26/1997 **V□□□□□□□ T□□□:** ELEVATOR

S□r□□d D□□□: 12/05/1997 **I□□□□□□□□□ U□□□:**

D□□□□□ T□□□: ELEVATOR

D□□□□□ N□□ □□r: 1P33483

I□r□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**

BP7 27-987 FAILURE TO MAINTAIN ELEVATOR

S□□□□□□ V□□□□□□□ C□□d□□□□(□) □□d R□□ □d□:

28H,31M,25I,21I,03I,35M, 31-COVER ELECT. BOX ON FAN 25-REPLACE BROKENGREENFIELD 21-REPAIR ALL FLOOR INDICATORS 03-REPAIR REAR WALL OF CAB 35-FIRE EXTING.

I□□□□□ I□□□□□□□r ID: 1317 **DOB V□□□□□□□ N□□ □□r:** 092697E1317A01

I□□□□d □□ A□□r□□□□□d L□□□□: NO

D□□□. □□B□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

C□□ □□□□□□ O□: 06/11/2010

C□r□□□□□□□□ S□□□ □□□□□ D□□□: 06/11/2010

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ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 04/16/1998 **H□□r□□□ S□□□□□:** IN VIOLATION

H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

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Penalty Imposed:	$200.00
Adjustment Made:	$0.00
Amount Paid:	$600.00
Penalty Balance Due:	$-400.00

ECB Violation Hearing

Case Status:	**Hearing Result**		
		Hearing Appointment Date:	01/22/1998
Case Status (Updated):	06/11/2010	**Adjourned:**	02/27/1998

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ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38064236X

S□□□r□□: NON-HAZARDOUS

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

H□□r□□ S□□□□□: IN VIOLATION

P□□□□□ B□□□□□□ D□□: $-200.00

R□□□□□d□□□l□□□r□ □□□□

N□□ □: NY CONVENTION CENTER D

M□□□□□ Addr□□□: , ,

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 09/26/1997 **V□□□□□□□ T□□□:** ELEVATOR

S□r□□d D□□□: 12/05/1997 **I□□□□□□□□□ U□□:**

D□□□□□ T□□□: ELEVATOR

D□□□□□ N□□ □□r: 1P33477

I□r□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**

BP7 27-987 FAILURE TO MAINTAIN ELEVATOR

S□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:

36U,43Y,35M-FIRE EXTINGUISHER

I□□□□□ I□□□□□□□r ID: 1317 **DOB V□□□□□□□ N□□ □□r:** 092697E1317A02

I□□□d □□ A□□r□□□□□d L□□□: NO

D□□□. □□B□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□

C□r□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED

C□□ □□□□□□ O□: 06/11/2010

C□r□□□□□□□ S□□□ □□□□□ D□□□: 06/11/2010

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ECB H□□r□□□ I□□□r□ □□□□

S□□□d□□d H□□r□□ D□□□: 04/16/1998 **H□□r□□ S□□□□□:** IN VIOLATION

H□□r□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□

P□□□□□ I□ □□□□d: $100.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□□d:	$300.00
P□□□□□ B□□□□□□ D□□:	$-200.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□		**H□□r□□□ E□□□□□**	
		H□□r□□□ A□□□□□□d O□:	04/16/1998
C□□ □□□□□□ (□□□□-□□□r□□□):	06/11/2010	**Ad□□□r□□d:**	02/26/1997
		D□□□□□:	04/20/1998

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NYC D□□□r□□ □□□□□B□□d□□□□

ECB V□□□□□□□□ D□□□□□□

Pr□□ □□□□: 160 LEROY STREET MANHATTAN **F□□d A□: 360 □OE DIMAGGIO HIGHWAY , MANHATTAN , NY 10014**

BIN: 1010385 **B□□□□: 601** **L□□: 8** **C□□ □ □□□□ B□□rd: 102**

ECB V□□□□□□□□ S□□ □ □r□

VIOLATION RESOLVED

ECB Violation Number: 38064244X

S□□□r□□□: NON-HAZARDOUS

C□r□□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
H□□r□□□ S□□□□□: IN VIOLATION
P□□□□□□ B□□□□□□ D□□: $-400.00

R□□□□□d□□□l□□□r□ □□□□□

N□□ □: NY CONVENTION CENTER D
M□□□□□ Addr□□□: , ,

V□□□□□□□□ D□□□□□□

V□□□□□□□ D□□□: 09/29/1997 **V□□□□□□□ T□□□:** ELEVATOR
S□r□□d D□□□: 12/05/1997 **I□□□□□□□□□ U□□:**
D□□□□□ T□□□: ELEVATOR
D□□□□□ N□□ □□r: 1P33515

I□r□□□□□□ C□d□□ **S□□□□□□ □□L□□** **S□□□d□rd D□□□r□□□□□**
BP7 27-987 FAILURE TO MAINTAIN ELEVATOR

S□□□□□□□ V□□□□□□□ C□□d□□□□□(□) □□d R□□ □d□:
03I,09H,74M, 03-GLASS CRACKED 74-FIRE EXTINGUISHER

I□□□□□ I□□□□□□□r ID: 1317 **DOB V□□□□□□□ N□□ □□r:** 092997E1317A08
I□□□□d □□ A□□r□□□□□d L□□□□: NO

D□□□. □□B□□□d□□□□ C□□ □□□□□□□ I□□□r□ □□□□□

C□r□□□□□□□□ S□□□□□: CERTIFICATE ACCEPTED
C□□ □□□□□□□ O□: 06/11/2010
C□r□□□□□□□□ S□□□ □□□□□ D□□□: 06/11/2010

A Certificate of Correction must be submitted to the Administrative Enforcement Unit (AEU) for all violations. A violation that is not dismissed by ECB will continue to remain ACTIVE or "open" on DOB records until acceptable proof is submitted to the AEU, even if you have paid the penalty imposed by ECB.

ECB H□□r□□□ I□□□r□ □□□□□

S□□□d□□□d H□□r□□□ D□□□: 04/16/1998 **H□□r□□□ S□□□□□:** IN VIOLATION
H□□r□□□ T□□ □: 8:30

ECB P□□□□□□ I□□□r□ □□□□□

P□□□□□□ I□ □□□□d: $200.00

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Ad□□□□ □□□:	$0.00
A□ □□□□P□d:	$600.00
P□□□□□ B□□□□□ D□□:	$-400.00

ECB V□□□□□□□ H□□□□r□

C□□ □□□□□□ E□□□□□		**H□□r□□□ E□□□□□**	
		H□□r□□□ A□□□□□□d O□:	04/16/1998
C□□ □□□□□□ (□□□□-□□□r□□□):	06/11/2010	**Ad□□□r□□d:**	02/27/1998
		D□□□□□:	04/20/1998

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

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Form—244-1935 Certificate of Occupancy. BA-2087-35-Hu

DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, CITY OF NEW YORK

HVC **CERTIFICATE OF OCCUPANCY No.** 23487 **193**7

Supersedes Certificate of Occupancy No.

To the owner or owners of the building: New York May 3, 1937.

THIS CERTIFIES that the building located on Block 601, Lot 6-7-8-9

known as 361 West Street-162 Leroy Street, 104'0" front

under a permit, Application No. 240 H.B. of 1936, conforms to the approved plans and specifications accompanying said permit and any approved amendments thereto, and to the requirements of the building code and all other laws and ordinances and to the rules and regulations of the board of standards and appeals, applicable to a building of its class and kind, except that in the case of a building heretofore existing and for which no previous certificate of occupancy has been issued and which has no: been altered or converted since March 14, 1916, to a use that changed its classification as defined in the building code, this certificate confirms and continues the existing uses to which the building has been put; and

CERTIFIES FURTHER that the building is a nonfireproof construction within the meaning of the building code and may be used and occupied as a business building as hereinafter qualified, in a unrestricted district under the building zone resolution, subject to all the privileges, requirements, limitations and conditions prescribed by law or as hereinafter specified.

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED			USE
		MALE	FEMALE	TOTAL	
1st Story	ground	12		12	Storage, loading platform
2nd "	60	10		10	Office

This certificate is issued to Joseph Lau, Architect
24 Furman Ave. Bklyn., for the owner or owners.

The superimposed, uniformly distributed loads, or their equivalent concentrated loads in any story shall not exceed the live loads specified above; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

Unless specifically stated above, the building or any part thereof, if certified as a public building, shall not be used as a building in which persons are barbered to receive medical, charitable or other care or treatment, such as a hospital, asylum, etc., or in which persons are held or detained under legal restraint, such as a police station, jail, etc.; nor shall it be used as a motion picture theatre as defined in section 30, chapter 3, Code of Ordinances; nor as a theatre or opera house or other building intended to be used for theatrical or operatic purposes, or for public entertainment of any kind, for the accommodation of more than 300 persons.

Unless specifically stated above, the building or any part thereof, if certified as a residence building, shall not be used as a tenement-house as defined in the tenement house law; nor shall it be used as any form of residence building having more than 15 sleeping rooms; nor shall it be used as a lodging house within the meaning of Sec. 1305 of the Greater New York Charter.

Unless specifically stated above, the building or any part thereof, if certified as a business building, shall not be used as a garage, motor vehicle repair shop or oil selling station as defined in section 1, chapter 10, Code of Ordinances; nor shall it be used for the generation or compression of acetylene; nor as a factory building as defined in the labor law; nor as a grain elevator; nor as a coal pocket.

Except as otherwise noted above, the building, or any part thereof, if located elsewhere than in an unrestricted district, shall not be used for any of the purposes enumerated in paragraph (a) of section 4 of the building zone resolution; nor for any trade, industry or use that is noxious or offensive by reason of the emission of odor, dust, smoke, gas or noise; nor for any kind of manufacturing not already prohibited, except that, if located in a business district, not more than twenty-five per cent. of the total floor space may be so used, or space equal to the area of the lot in any case.

Except as otherwise noted above, the building, if certified as a garage, may not be used for more than five cars on any portion of a street between two intersecting streets, in which portion there exists an exit from or an entrance to a public school, or in which portion there exists any hospital maintained as a charitable institution; and in no case within a distance of 200 feet from the the nearest exit from or entrance to a public school; nor within two hundred feet of any hospital maintained as a charitable institution.

If the building has, at any time previous to the issuance of this certificate, been the subject of an appeal to the board of appeals or of a petition to the board of standards and appeals resulting in modification or variation of law or any lawful requirement, the construction and arrangement of the building as specified in the resolution granting such modification or variation, must be maintained, and all conditions imposed by either board must be observed.

No change or re-arrangement in the structural parts of the building, or affecting the lighting or ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located, until an approval of the same has been obtained from the commissioner of buildings.

This certificate supersedes each and every previously issued certificate of occupancy for this building or any part thereof, and each and every such previously issued certificate shall be null and void; and this certificate in turn becomes null and void upon the issuance of any new lawful certificate.

This certificate does not in any way relieve the owner or owners, or any other person or persons in possession or control of the building, or any part thereof, from obtaining such other permits or licenses as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

This certificate does not authorize the use or operation of any elevator in the building without the special certificate required by section 563 of the building code.

If the building is or is required to be equipped with standpipes or other fire extinguishing or gas shut off appliances, this certificate is not complete until such standpipes or other appliances have been inspected by the fire department (or by the Tenement House Department in the case of a gas shut off in a tenement house) and approved in writing, either in a separate certificate or by endorsement upon this certificate. (Space for such endorsement is provided on page 4 of this certificate.)

If this certificate is marked "Temporary," it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to a tenement house unless also approved by the tenement house commissioner; and it must be replaced by a full certificate as soon as the entire building is completed according to law and ready for occupancy.

The word "class" as used in this certificate refers to the classification of buildings in the building code (section 70).

This certificate is issued in accordance with the provisions of section 411-a of the Greater New York Charter and of section 5 of chapter 5 (Building Code) of the Code of Ordinances of the City of New York.

Examined. SR

Samuel Ferrin

Commissioner of Buildings, Borough of Manhattan.

Additional copies of this certificate will be issued, upon written request, to persons having a proprietary interest in the building.

Form—344-1935 Certificate of Occupancy. 8A-2087-35-Ilu-40

DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, CITY OF NEW YORK

CERTIFICATE OF OCCUPANCY No. 22540 193

Supersedes Certificate of Occupancy No. 22397

To the owner or owners of the building: New York June 18 1937

THIS CERTIFIES that the building located on Block 601, Lot 6-7-8-9 known as 361 West Street

under a permit, Application No. N B 240 1936, conforms to the approved plans and specifications accompanying said permit and any approved amendments thereto, and to the requirements of the building code and all other laws and ordinances and to the rules and regulations of the board of standards and appeals, applicable to a building of its class and kind, except that in the case of a building heretofore existing and for which no previous certificate of occupancy has been issued and which has not been altered or converted since March 14, 1916, to a use that changed its classification as defined in the building code, this certificate confirms and continues the existing uses to which the building has been put; and

CERTIFIES FURTHER that the building is of Nonfireproof construction within the meaning of the building code and may be used and occupied as a Business building as hereinafter qualified, in a Unrestricted district under the building zone resolution, subject to all the privileges, requirements, limitations and conditions prescribed by law or as hereinafter specified.

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED			USE
		MALE	FEMALE	TOTAL	
1st sty	Ground			12	Storage Loading Platform Freight Terminal
1st "	Yard				Storage of 5 motor vehicles in front yard
2nd "	60			10	Office

This certificate is issued to Joseph Lau 24 Furman Ave. B'klyn N Y, for the owner or owners.

The superimposed, uniformly distributed loads, or their equivalent concentrated loads in any story shall not exceed the live loads specified above; the number of persons of either sex in any story shall not exceed that specified when sex is indicated, nor shall the aggregate number of persons in any story exceed the specified total; and the use to which any story may be put shall be restricted to that fixed by this certificate except as specifically stated.

The building or any part thereof shall not be used for any purpose other than that for which it is certified.

Unless specifically stated above, the building or any part thereof, if certified as a public building, shall not be used as a building in which persons are harbored to receive medical, charitable or other care or treatment, such as a hospital, asylum, etc., or in which persons are held or detained under legal restraint, such as a police station, jail, etc.; nor shall it be used as a motion picture theatre as defined in section 30, chapter 3, Code of Ordinances; nor as a theatre or opera house or other building intended to be used for theatrical or operatic purposes, or for public entertainment of any kind, for the accommodation of more than 300 persons.

Unless specifically stated above, the building or any part thereof, if certified as a residence building, shall not be used as a tenement house as defined in the tenement house law; nor shall it be used as any form of residence building having more than 15 sleeping rooms; nor shall it be used as a lodging house within the meaning of Sec. 1305 of the Greater New York Charter.

Unless specifically stated above, the building or any part thereof, if certified as a business building, shall not be used as a garage, motor vehicle repair shop or oil selling station as defined in section 1, chapter 10, Code of Ordinances; nor shall it be used for the generation or compression of acetylene; nor as a factory building as defined in the labor law; nor as a grain elevator; nor as a coal pocket.

Except as otherwise noted above, the building, or any part thereof, if located elsewhere than in an unrestricted district, shall not be used for any of the purposes enumerated in paragraph (a) of section 4 of the building zone resolution; nor for any trade, industry or use that is noxious or offensive by reason of the emission of odor, dust, smoke, gas or noise; nor for any kind of manufacturing not already prohibited, except that, if located in a business district, not more than twenty-five per cent. of the total floor space may be so used, or space equal to the area of the lot in any case.

Except as otherwise noted above, the building, if certified as a garage, may not be used for more than five cars on any portion of a street between two intersecting streets, in which portion there exists an exit from or an entrance to a public school, or in which portion there exists any hospital maintained as a charitable institution; and in no case within a distance of 200 feet from the the nearest exit from or entrance to a public school; nor within two hundred feet of any hospital maintained as a charitable institution.

If the building has, at any time previous to the issuance of this certificate, been the subject of an appeal to the board of appeals or of a petition to the board of standards and appeals resulting in modification or variation of law or any lawful requirement, the construction and arrangement of the building as specified in the resolution granting such modification or variation, must be maintained, and all conditions imposed by either board must be observed.

No change or re-arrangement in the structural parts of the building, or affecting the lighting or ventilation of any part thereof, or in the exit facilities, shall be made; no enlargement, whether by extending on any side or by increasing in height shall be made; nor shall the building be moved from one location or position to another; nor shall there be any reduction or diminution of the area of the lot or plot on which the building is located, until an approval of the same has been obtained from the commissioner of buildings.

This certificate supersedes each and every previously issued certificate of occupancy for this building or any part thereof, and each and every such previously issued certificate shall be null and void; and this certificate in turn becomes null and void upon the issuance of any new lawful certificate.

This certificate does not in any way relieve the owner or owners, or any other person or persons in possession or control of the building, or any part thereof, from obtaining such other permits or licenses as may be prescribed by law for the uses or purposes for which the building is designed or intended; nor from complying with any lawful order issued with the object of maintaining the building in a safe or lawful condition; nor from complying with any authorized direction to remove encroachments into a public highway or other public place, whether attached to or part of the building or not.

This certificate does not authorize the use or operation of any elevator in the building without the special certificate required by section 563 of the building code.

If the building is or is required to be equipped with standpipes or other fire extinguishing or gas shut off appliances, this certificate is not complete until such standpipes or other appliances have been inspected by the fire department (or by the Tenement House Department in the case of a gas shut off in a tenement house) and approved in writing, either in a separate certificate or by endorsement upon this certificate. (Space for such endorsement is provided on page 4 of this certificate.)

If this certificate is marked "Temporary," it is applicable only to those parts of the building indicated on its face, and certifies to the legal use and occupancy of only such parts of the building; it is subject to all the provisions and conditions applying to a final or permanent certificate; it is not applicable to a tenement house unless also approved by the tenement house commissioner; and it must be replaced by a full certificate as soon as the entire building is completed according to law and ready for occupancy.

The word "class" as used in this certificate refers to the classification of buildings in the building code (section 70).

This certificate is issued in accordance with the provisions of section 411-a of the Greater New York Charter and of section 5 of chapter 5 (Building Code) of the Code of Ordinances of the City of New York.

Examined. EB

Commissioner of Buildings, Borough of Manhattan.

Additional copies of this certificate will be issued, upon written request, to persons having a proprietary interest in the building.

ALT TYPE 1 100084285

THE CITY OF NEW YORK

DEPARTMENT OF BUILDINGS

CERTIFICATE OF OCCUPANCY

BOROUGH MANHATTAN **DATE** MAY 26 1993 **NO.** 102738

This certificate supersedes C.O. NO ZONING DISTRICT M1-5

THIS CERTIFIES that the new—altered—existing—building—premises located at
359 - 361 WEST STREET Block 601 Lot 8

CONFORMS SUBSTANTIALLY TO THE APPROVED PLANS AND SPECIFICATIONS AND TO THE REQUIREMENTS OF ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR THE USES AND OCCUPANCIES SPECIFIED HEREIN

PERMISSIBLE USE AND OCCUPANCY

STORY	LIVE LOAD LBS. PER SQ. FT.	MAXIMUM NO. OF PERSONS PERMITTED	ZONING DWELLING OR ROOMING UNITS	BUILDING CODE HABITABLE ROOMS	ZONING USE GROUP	BUILDING CODE OCCUPANCY GROUP	DESCRIPTION OF USE
CELLAR	100	2			16	B-1	LUBRICATION PIT AND STORAGE
1ST FLOOR	100				16	B-1	AUTOMOBILE LAUNDRY AUTOMOBILE SERVICE STATION RESERVOIR PARKING 10 SPACES
2ND FLOOR	60	10			16	E	OFFICE

THIS CERTIFICATE OF OCCUPANCY MUST BE POSTED WITHIN THE BUILDING IN ACCORDANCE WITH THE RULES OF THE DEPARTMENT PROMULGATED MARCH 31ST, 1967.

FB

OPEN SPACE USES _____
(SPECIFY—PARKING SPACES, LOADING BERTHS OTHER USES, NONE)

NO CHANGES OF USE OR OCCUPANCY SHALL BE MADE UNLESS A NEW AMENDED CERTIFICATE OF OCCUPANCY IS OBTAINED

THIS CERTIFICATE OF OCCUPANCY IS ISSUED SUBJECT TO FURTHER LIMITATIONS, CONDITIONS AND SPECIFICATIONS NOTED ON THE REVERSE SIDE.

BOROUGH SUPERINTENDENT COMMISSIONER

☐ ORIGINAL ☒ OFFICE COPY - DEPARTMENT OF BUILDINGS ☐ COPY

B Form 54 (Back) (Rev. 8-82)

THAT THE ZONING LOT ON WHICH THE PREMISES IS LOCATED IS BOUNDED AS FOLLOWS:

BEGINNING at a point on the SOUTH side of LEROY STREET
distant 0 feet from the corner formed by the intersection of S/E WEST ST. and LEROY STREET

running thence ..... feet; thence ..... feet;
thence EAST 126 feet; thence SOUTH 100 feet;
thence WEST 25 feet; thence NORTH 25 feet;
thence WEST 98'-6 3/4 feet; thence NORTH 75 feet;
to the point or place of beginning.

ALT TYPE 1 100084285
~~XXXX~~ ALT. No. DATE OF COMPLETION 11-17-92 CONSTRUCTION CLASSIFICATION II-C NON FIRE-PROOF
BUILDING OCCUPANCY GROUP CLASSIFICATION E HEIGHT 2 STORIES 45'-8" FEET

THE FOLLOWING FIRE DETECTION AND EXTINGUISHING SYSTEMS ARE REQUIRED AND WERE INSTALLED IN COMPLIANCE WITH APPLICABLE LAWS.

	YES	NO		YES	NO
STANDPIPE SYSTEM			AUTOMATIC SPRINKLER SYSTEM		
YARD HYDRANT SYSTEM					
STANDPIPE FIRE TELEPHONE AND SIGNALLING SYSTEM					
SMOKE DETECTOR					
FIRE ALARM AND SIGNAL SYSTEM					

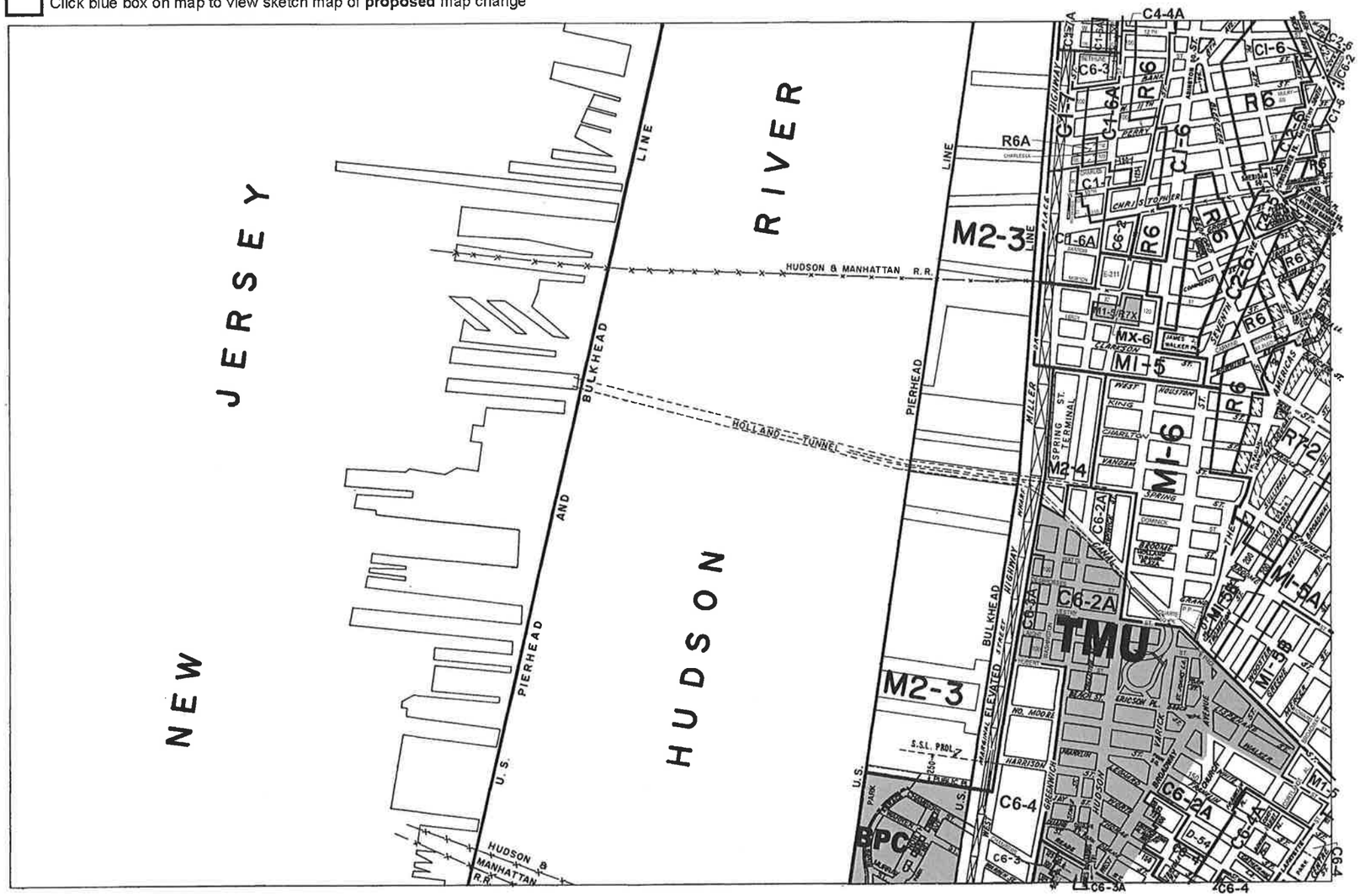
STORM DRAINAGE DISCHARGES INTO:
A) STORM SEWER [ ] B) COMBINED SEWER [X] C) PRIVATE SEWAGE DISPOSAL SYSTEM [ ]

SANITARY DRAINAGE DISCHARGES INTO:
A) SANITARY SEWER [ ] B) COMBINED SEWER [X] C) PRIVATE SEWAGE DISPOSAL SYSTEM [ ]

LIMITATIONS OR RESTRICTIONS:
BOARD OF STANDARDS AND APPEALS CAL. NO. _____
CITY PLANNING COMMISSION CAL. NO. _____
OTHERS:

APPENDIX G
NEW YORK CITY PLANNING COMMISSION ZONING MAP

Click blue box on map to view sketch map of **proposed** map change



600 0 600 1200 1800 FEET

C1-1 C1-2 C1-3 C1-4 C1-5 C2-1 C2-2 C2-3 C2-4 C2-5

NOTE: Where no dimensions for zoning district boundaries appear on the zoning maps, such dimensions are determined in Article VII, Chapter 6 (Location of District Boundaries) of the Zoning Resolution.

ZONING MAP

THE NEW YORK CITY PLANNING COMMISSION

Major Zoning Classifications:

The number(s) and/or letter(s) that follows an R, C or M District designation indicates use, bulk and other controls as described in the text of the Zoning Resolution.

R – RESIDENTIAL DISTRICT

C – COMMERCIAL DISTRICT

M – MANUFACTURING DISTRICT

SPECIAL PURPOSE DISTRICT
The letter(s) within the shaded area designates the special purpose district as described in the text of the Zoning Resolution.

AREA(S) REZONED

Effective Date(s) of Rezoning:

03–28–2012 C 120033 ZMM

Special Requirements:

For a list of lots subject to CEQR environmental requirements, see APPENDIX C.

For a list of lots subject to "D" restrictive declarations, see APPENDIX D.

For Inclusionary Housing designated areas on this map, see APPENDIX F.

MAP KEY

N

	8b	8d
	12a	12c
	12b	12d

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ZONING MAP **12a**

NOTE: Zoning information as shown on this map is subject to change. For the most up-to-date zoning information for this map, visit the Zoning section of the Department of City Planning website: www.nyc.gov/planning or contact the Zoning Information Desk at (212) 720-3291.

APPENDIX H
AERIAL PHOTOGRAPHS

West & Leroy
355-359 West Street and 156 Leroy Street
New York, NY 10014

Inquiry Number: 3540659.5
March 11, 2013

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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Date EDR Searched Historical Sources:

Aerial Photography March 11, 2013

Target Property:

355-359 West Street and 156 Leroy Street

New York, NY 10014

Year	***Scale***	***Details***	***Source***
1924	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: July 01, 1924	EDR
1943	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: December 23, 1943	EDR
1954	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: February 27, 1954	EDR
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: February 23, 1966	EDR
1975	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: April 01, 1975	EDR
1984	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: April 27, 1984	EDR
1995	Aerial Photograph. Scale: 1"=750'	Panel #: 40074-F1, Jersey City, NJ;/Flight Date: March 13, 1995	EDR
1994,1995,1997	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Composite DOQQ - acquisition dates: April 04, 1994,March 13, 1995,April 10, 1997	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 40074-F1, Jersey City, NJ;/Flight Year: 2006	EDR
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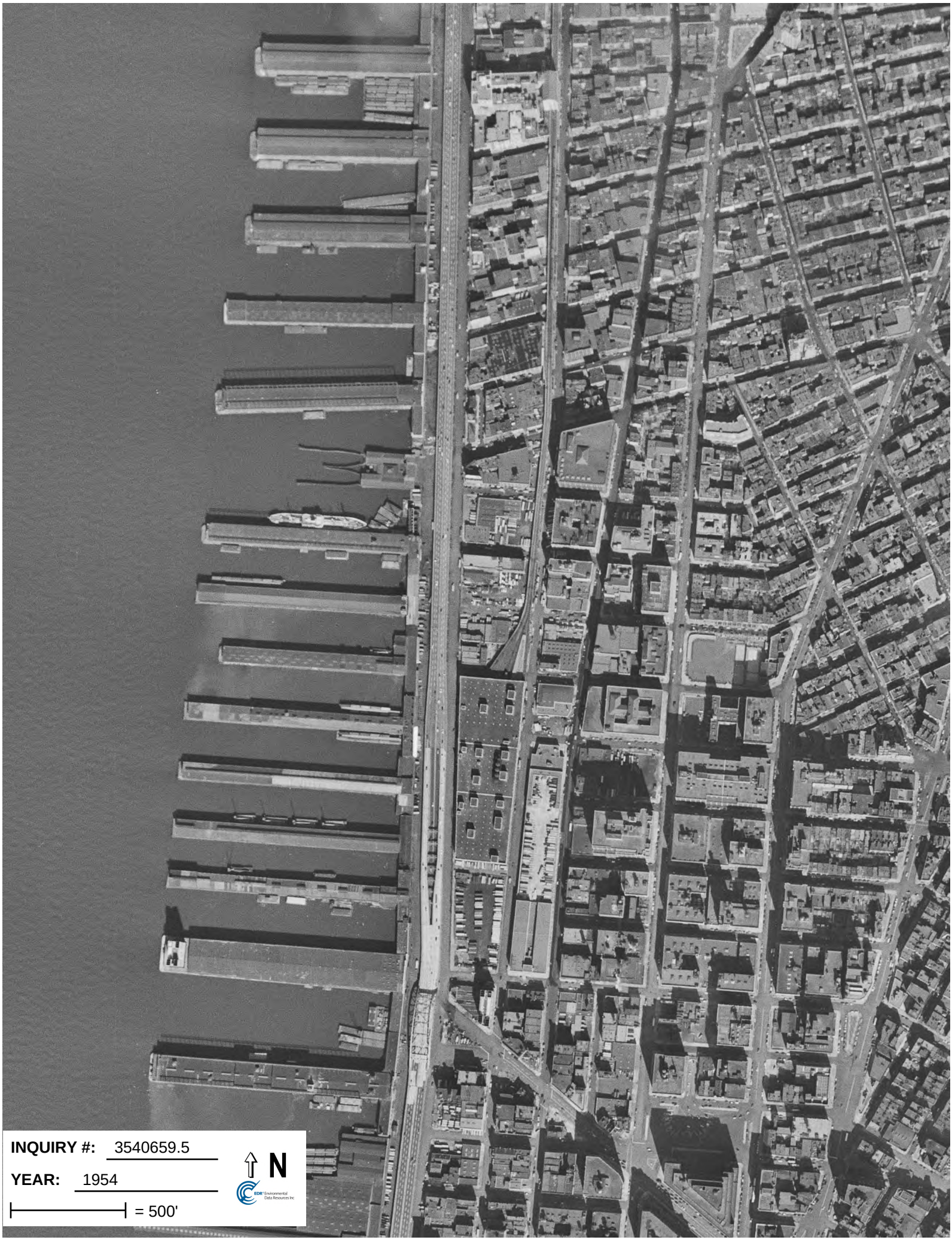
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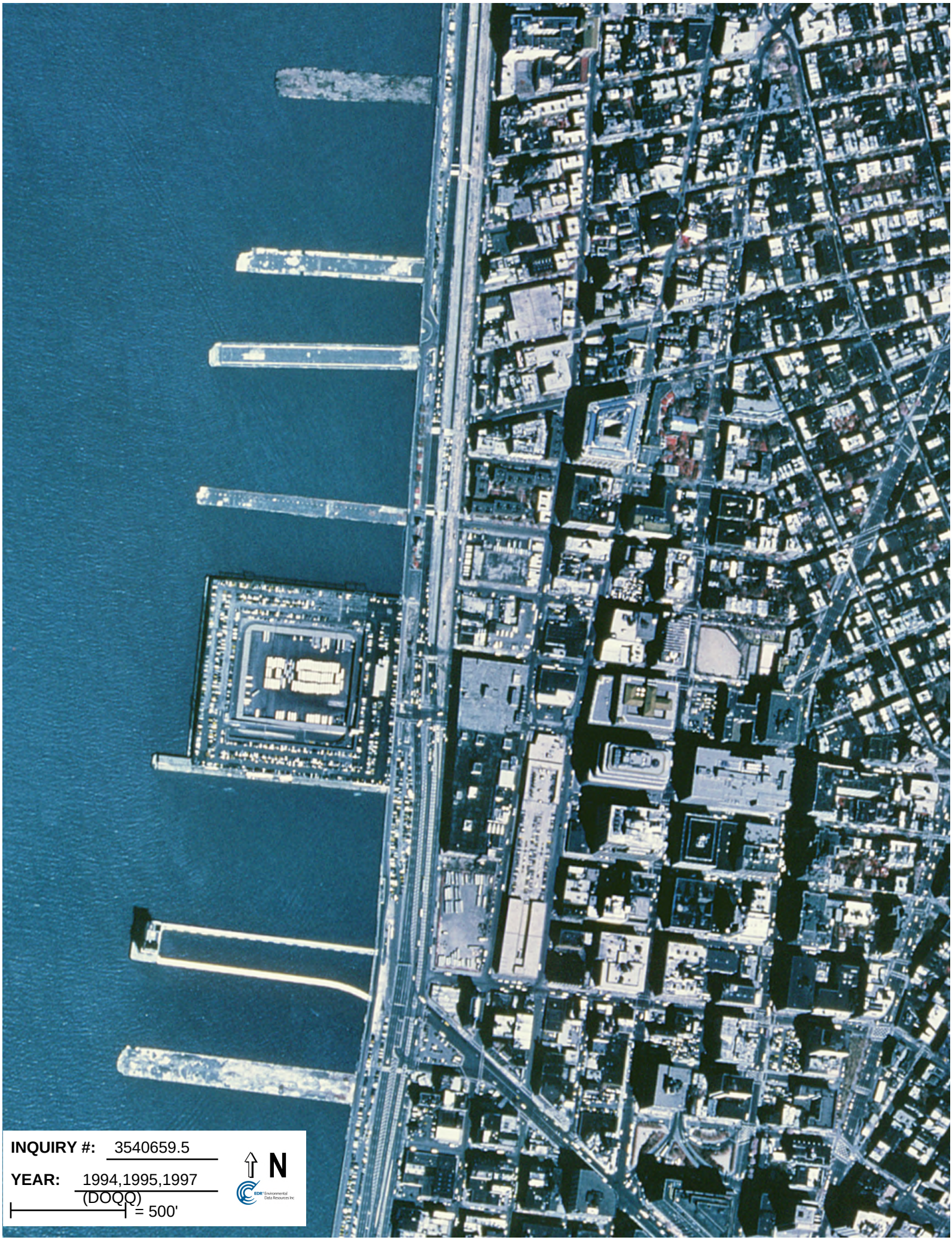
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EDR Environmental Data Resources Inc

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= 500'
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INQUIRY #: 3540659.5
YEAR: 2011
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N

APPENDIX I
SANBORN FIRE INSURANCE MAPS

West & Leroy
355-359 West Street and 156 Leroy Street
New York, NY 10014

Inquiry Number: 3540659.3
March 12, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

3/12/13

Site Name:
West & Leroy
355-359 West Street and 156
New York, NY 10014

Client Name:
Langan Engineering, Inc.
360 W. 31st Street
New York, NY 10001

EDR Inquiry # 3540659.3

Contact: Gregory Wyka

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Langan Engineering, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, State, Zip: New York, NY 10014
Cross Street:
P.O. # 170215701
Project: West & Leroy
Certification # 9EED-43D3-8641

Sanborn® Library search results
Certification # 9EED-43D3-8641

Maps Provided:

2005	1995	1988	1979	1968	1913
2004	1994	1987	1978	1950	1905
2003	1993	1985	1977	1928	1904
2002	1992	1983	1976	1922	1895
2001	1991	1981	1975	1921	1894
1996	1990	1980	1969	1919	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

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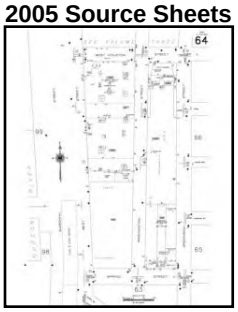

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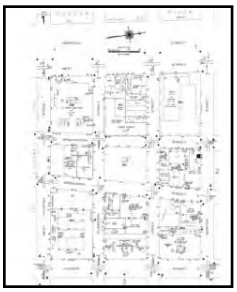
Volume 1S, Sheet 99



Volume 3, Sheet 1

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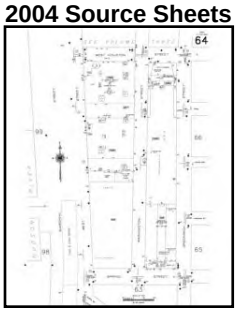

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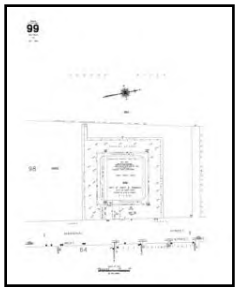

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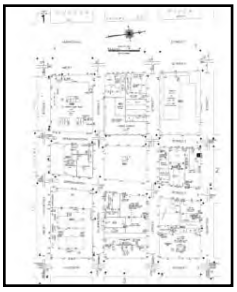

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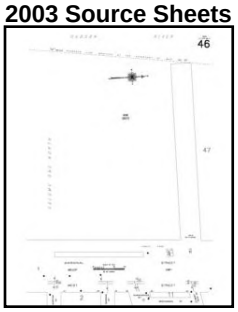

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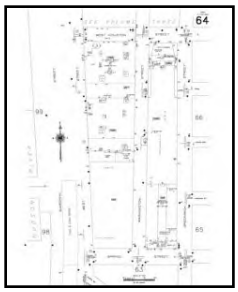

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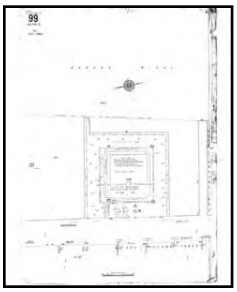

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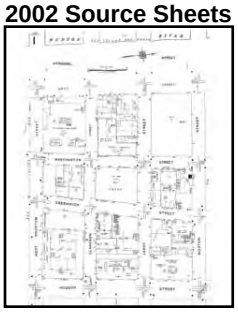

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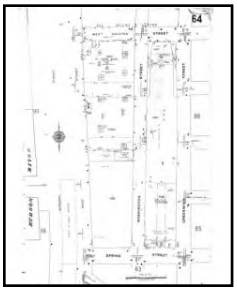

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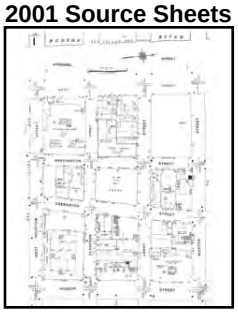

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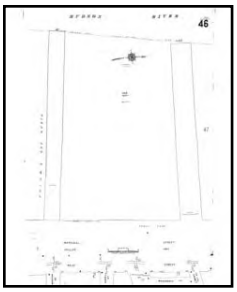

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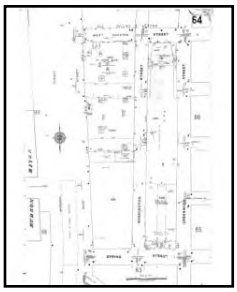

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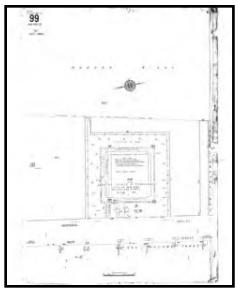

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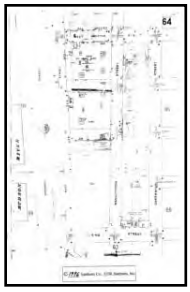

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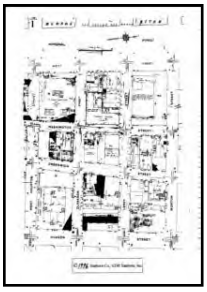

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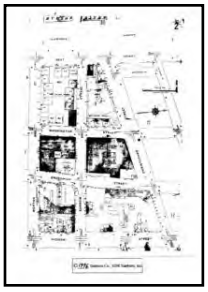

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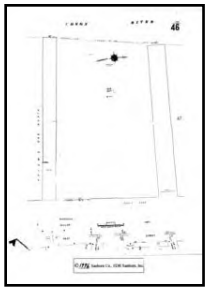

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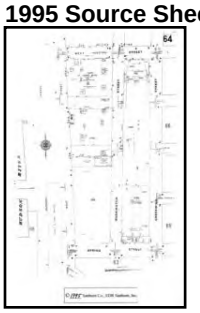

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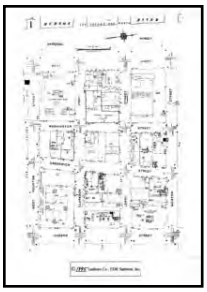

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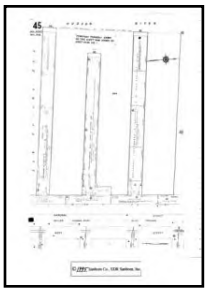

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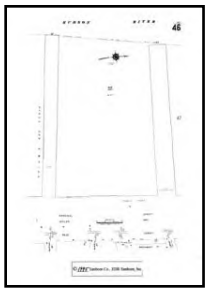

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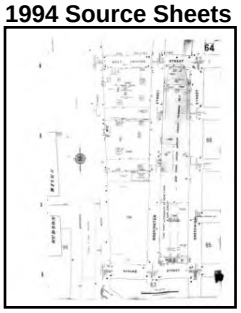

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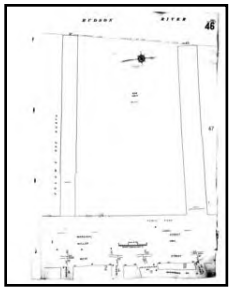

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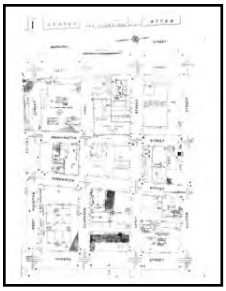

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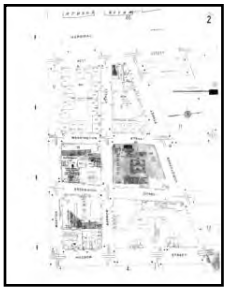

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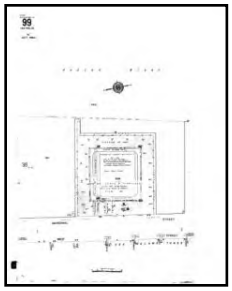

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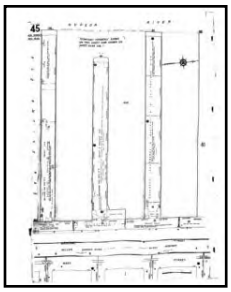

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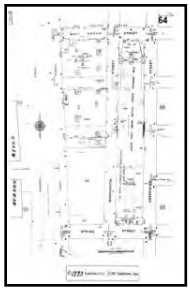

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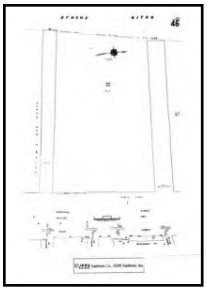

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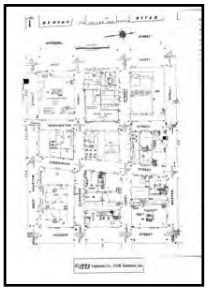

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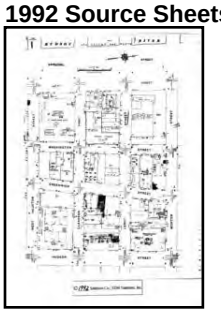

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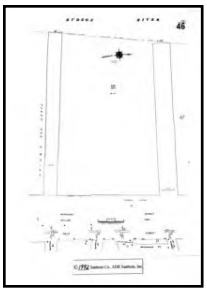

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Volume 1S, Sheet 99

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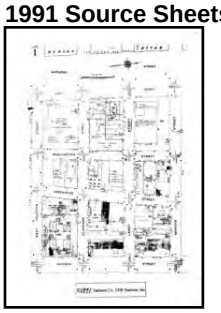

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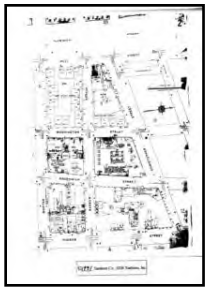

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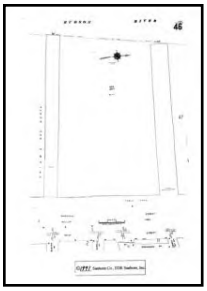

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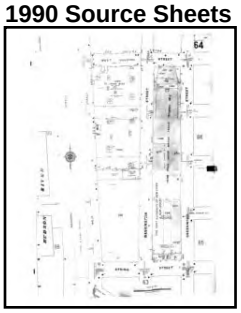

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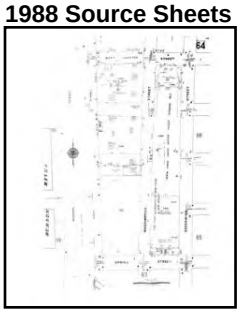

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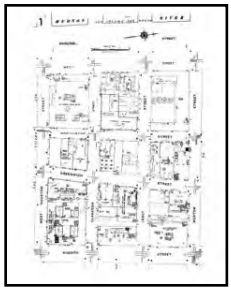

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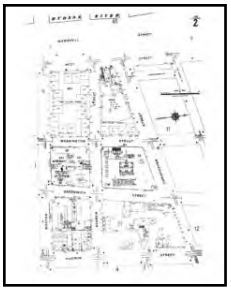

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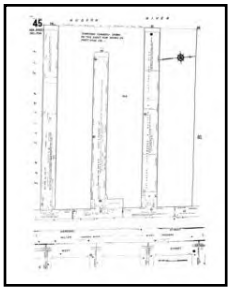

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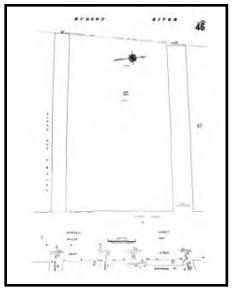

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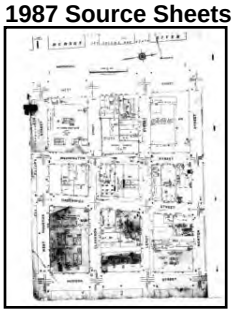
1987 Source Sheets



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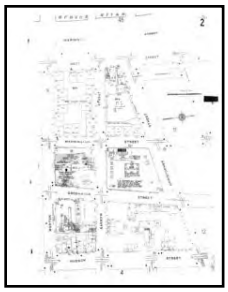

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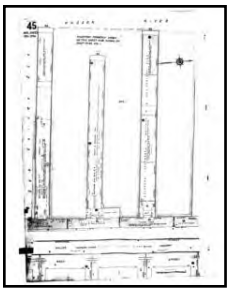

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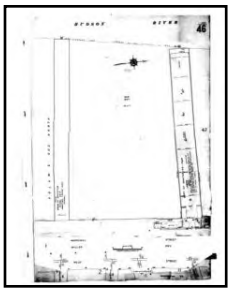

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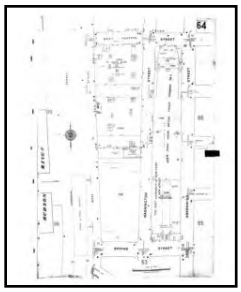

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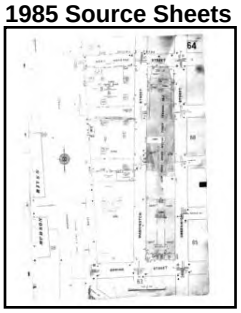
Volume 1S, Sheet 99

1985 Source Sheets



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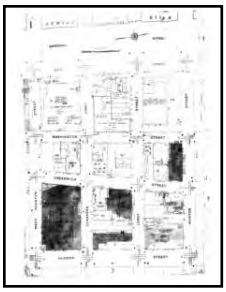
Volume 1S, Sheet 99



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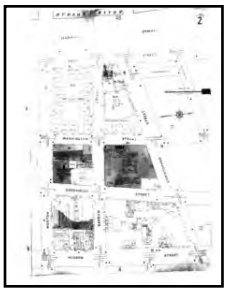

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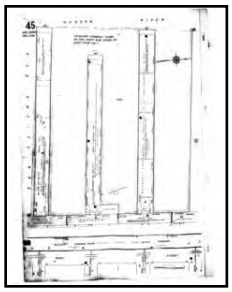

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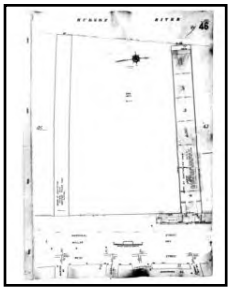

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1983 Source Sheets

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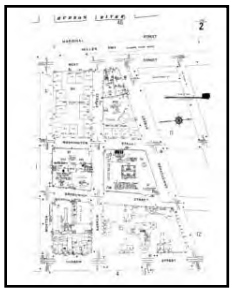

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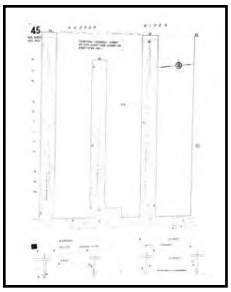

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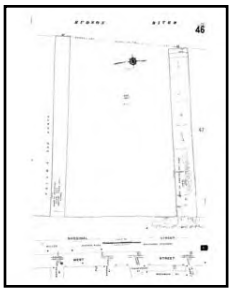

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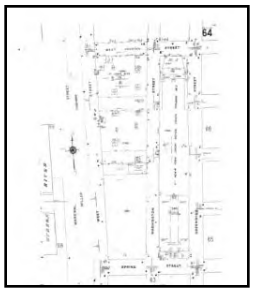

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1981 Source Sheets

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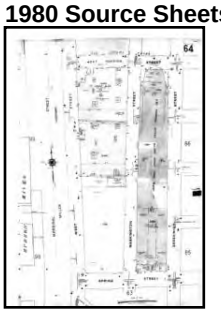
1980 Source Sheets



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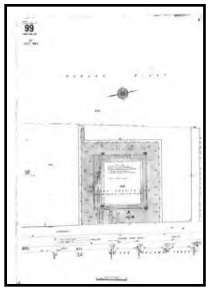

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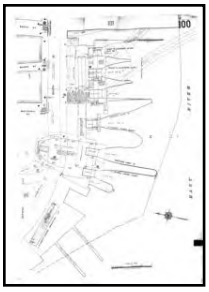

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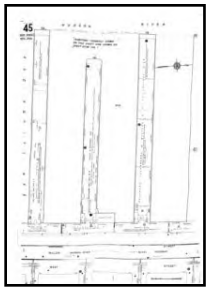
Volume 3, Sheet 2



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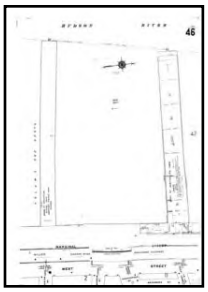

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1979 Source Sheets

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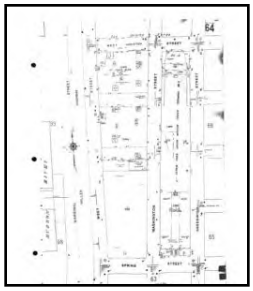

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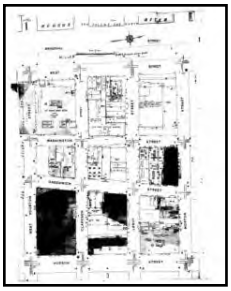

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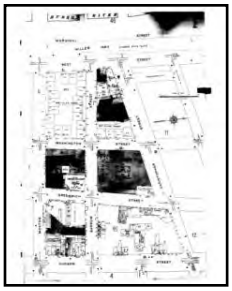
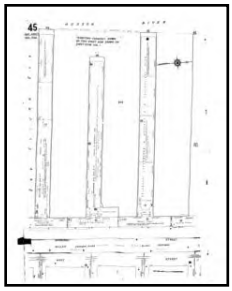


Volume 3, Sheet 2



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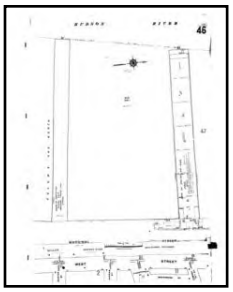

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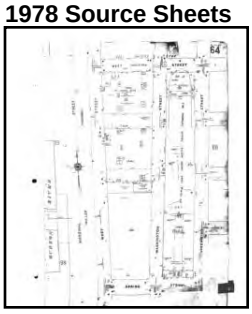

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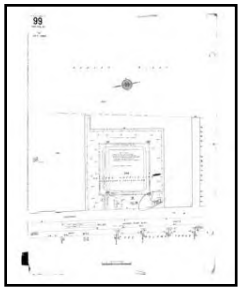

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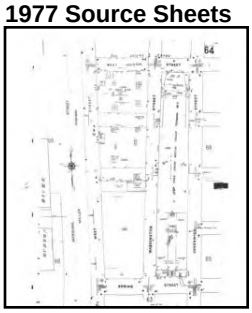

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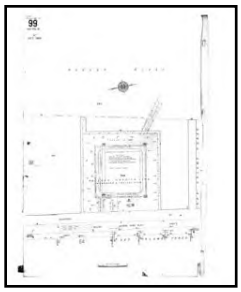

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1976 Source Sheets

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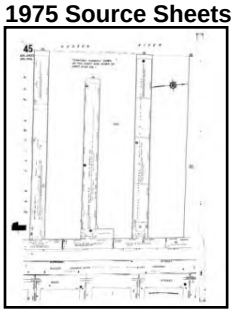
1975 Source Sheets



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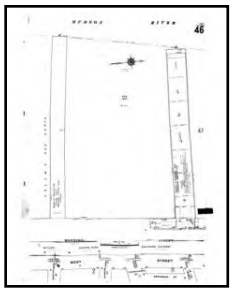

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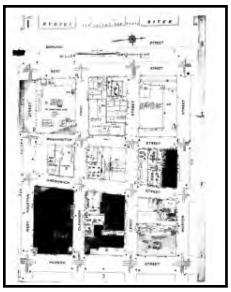

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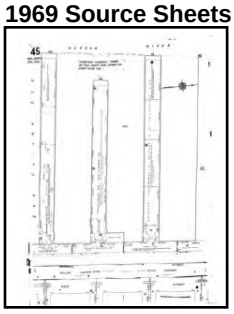
1969 Source Sheets



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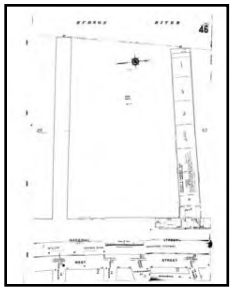

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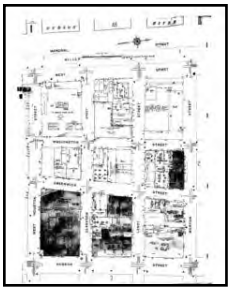

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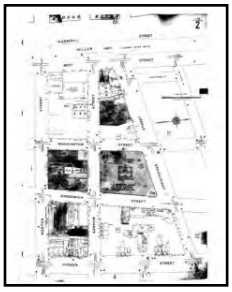

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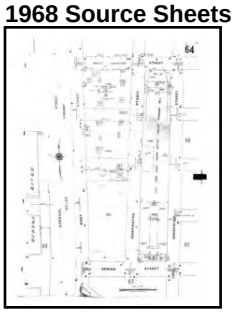
1968 Source Sheets



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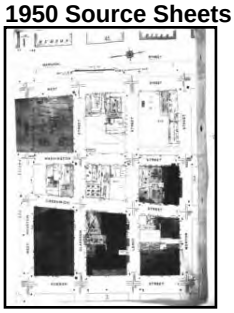
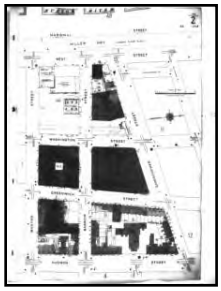


Volume 3, Sheet 1



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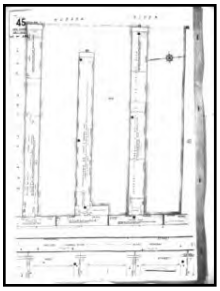

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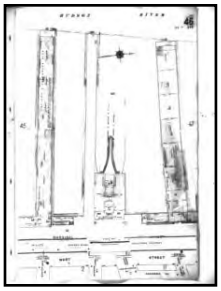

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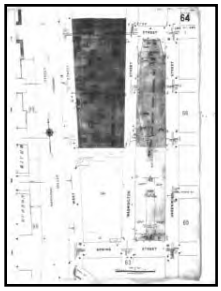

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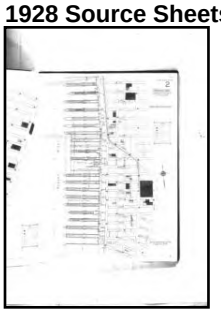
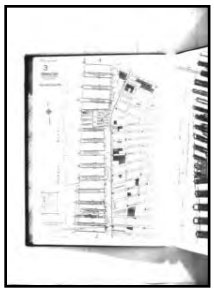
1928 Source Sheets

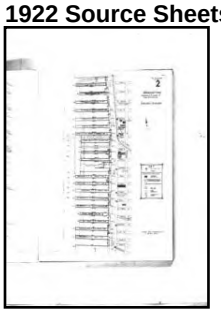


Volume Pier Maps, Sheet 2

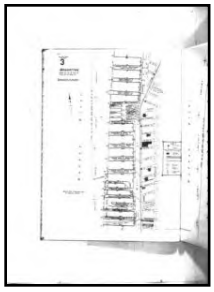


Volume Pier Maps, Sheet 3

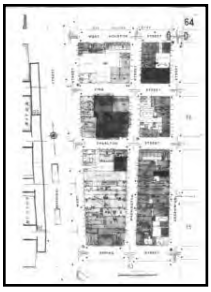
1922 Source Sheets



Volume Pier Maps, Sheet 2



Volume Pier Maps, Sheet 3



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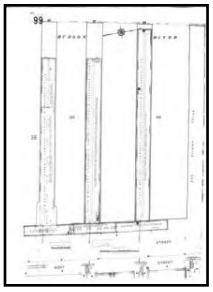

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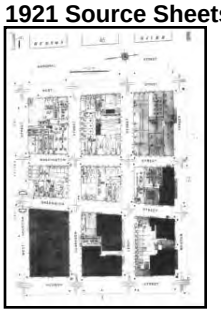
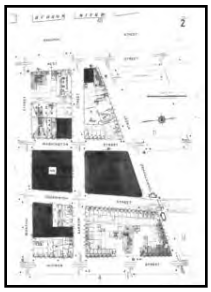


Volume 3, Sheet 1



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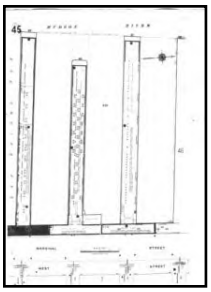

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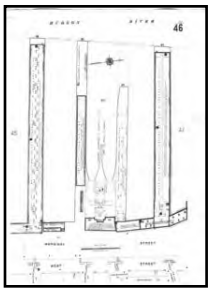

Volume 3, Sheet 46

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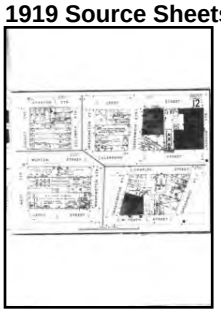

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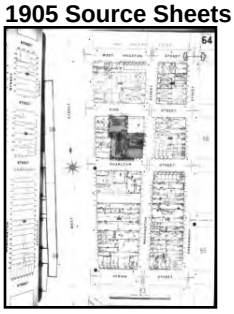

Volume 1N, Sheet 64

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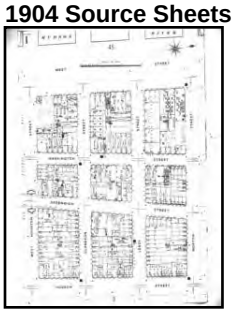

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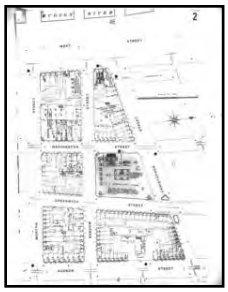

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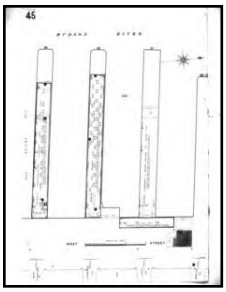

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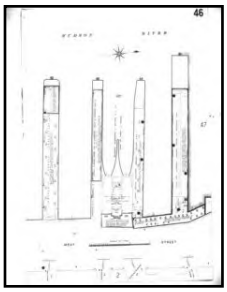
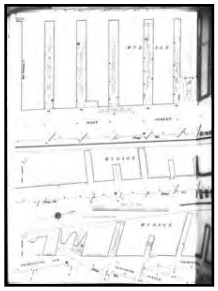


Volume 3, Sheet 46

1895 Source Sheets

Volume 3, Sheet 52



Volume 3, Sheet xxxx

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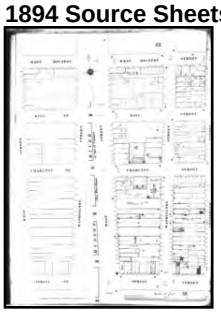

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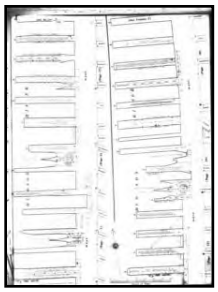

Volume 1N, Sheet xxxx

2005 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

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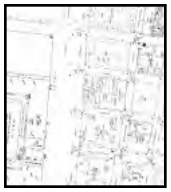

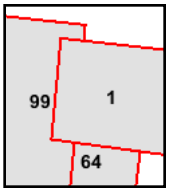

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0 Feet 150 300 600

N

2004 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

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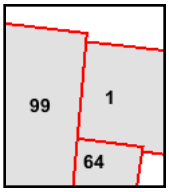

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N

2003 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
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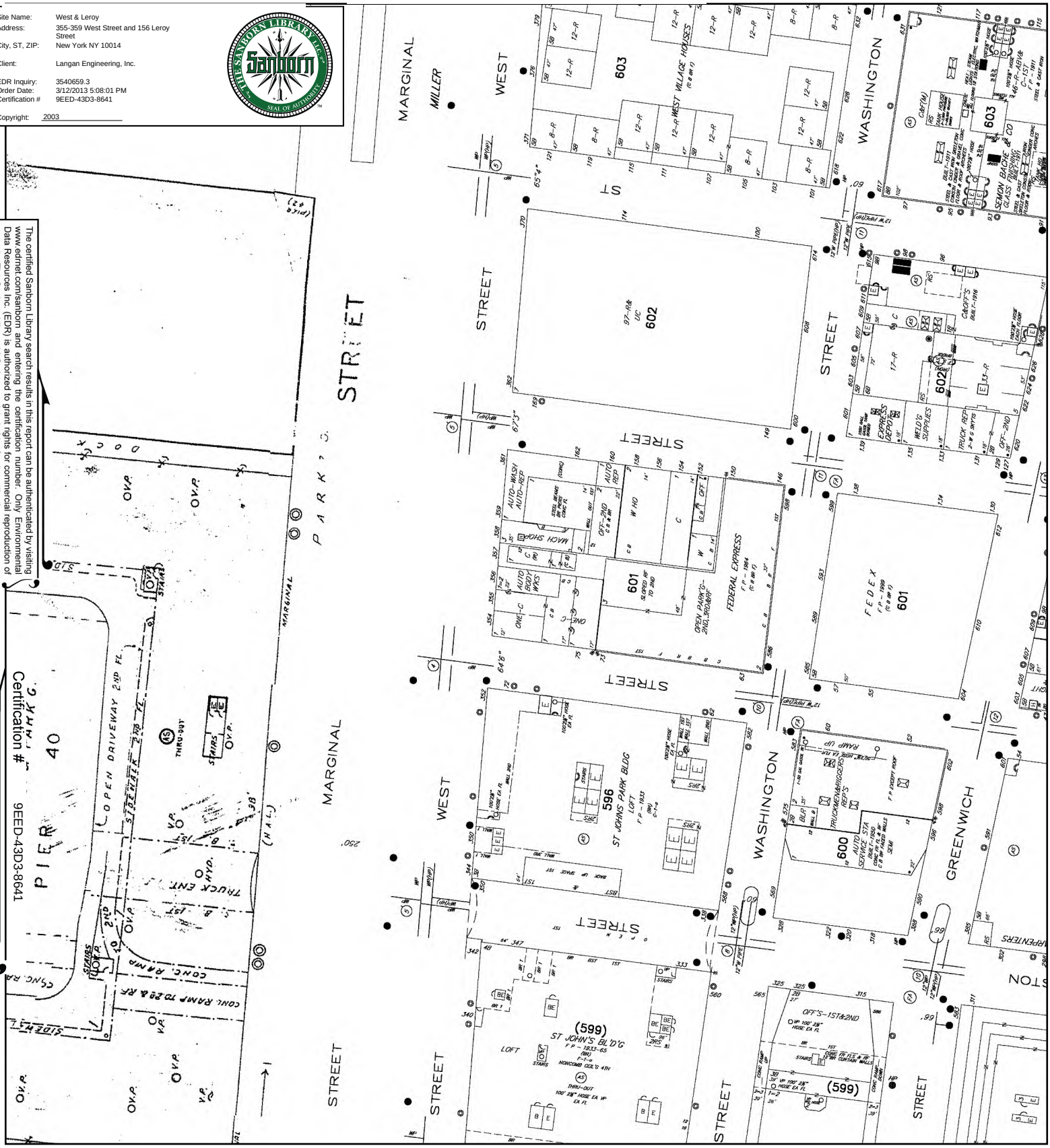

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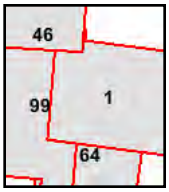

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Volume 3, Sheet 1

0 Feet 150 300 600

N

2002 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

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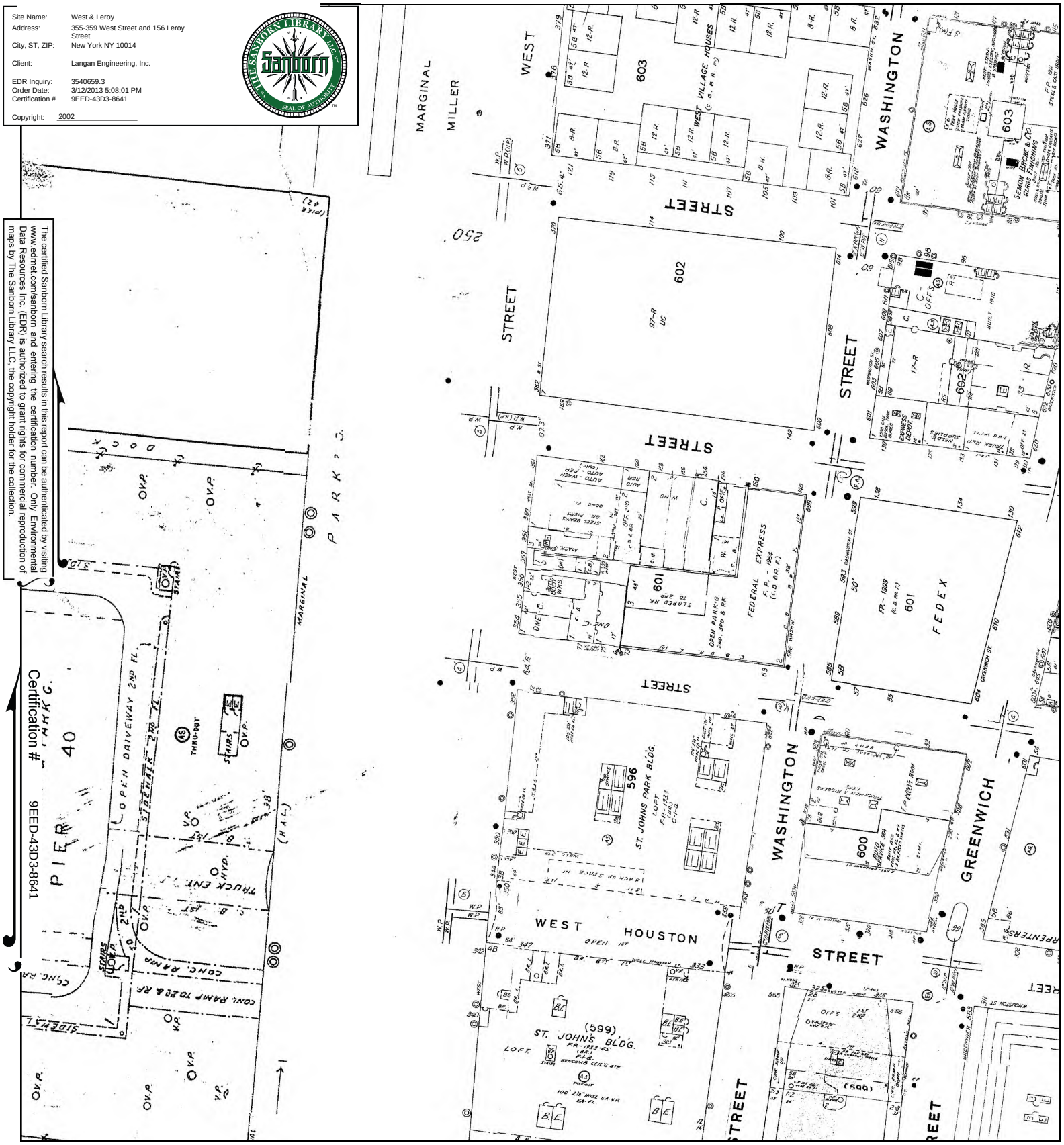

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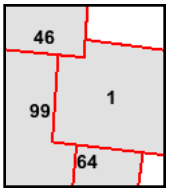

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0 Feet 150 300 600

N

2001 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
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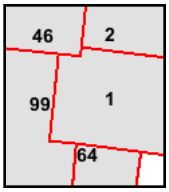

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Volume 3, Sheet 46
Volume 1N, Sheet 64
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0 Feet 150 300 600

N

1996 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

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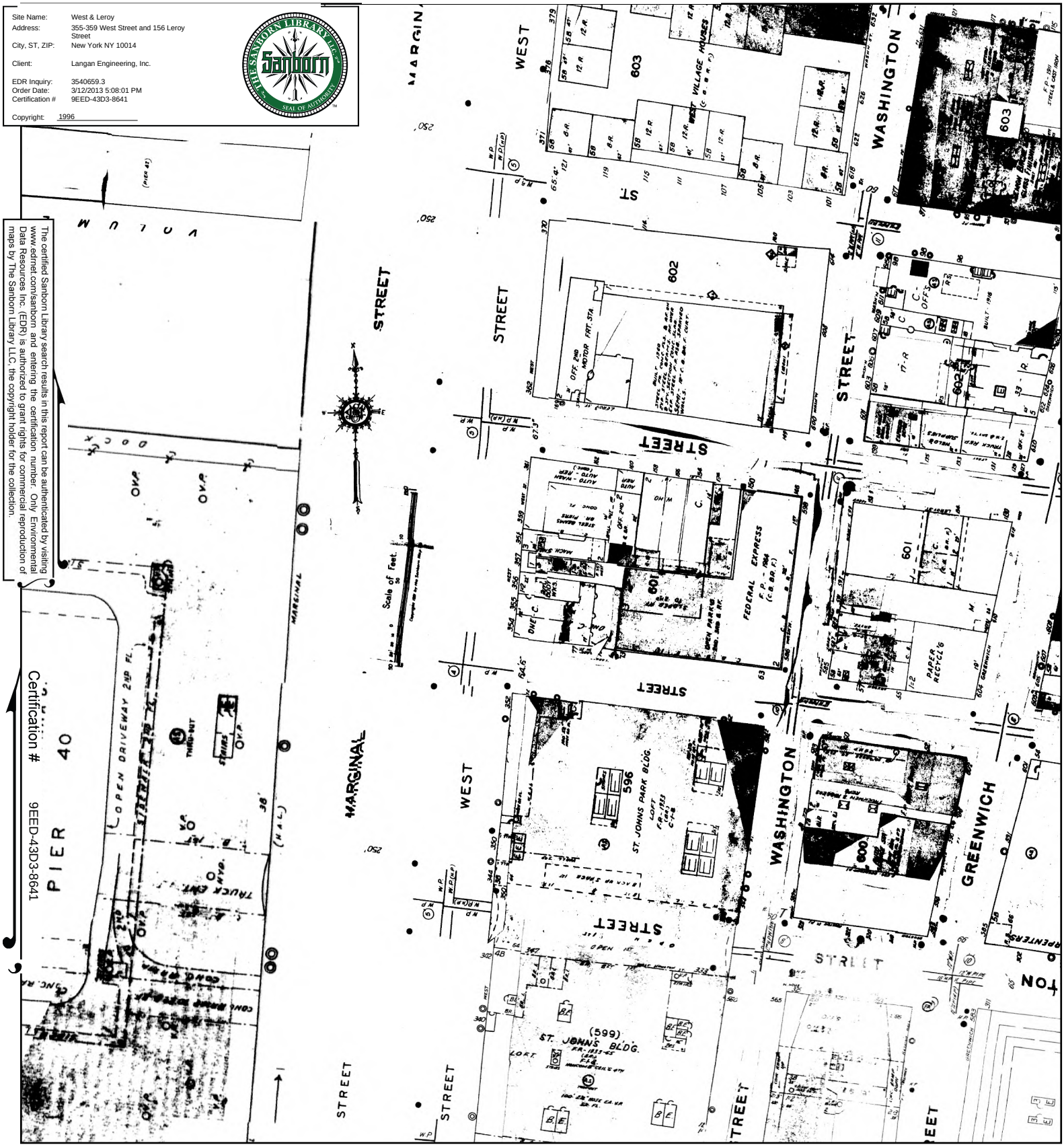

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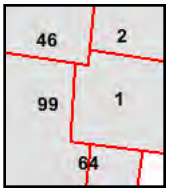

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Volume 3, Sheet 1
Volume 3, Sheet 2
Volume 3, Sheet 46

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N

1995 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

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Certification # 9EED-43D3-8641

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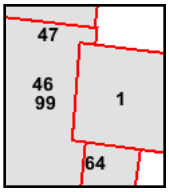

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Volume 1S, Sheet 99
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1994 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

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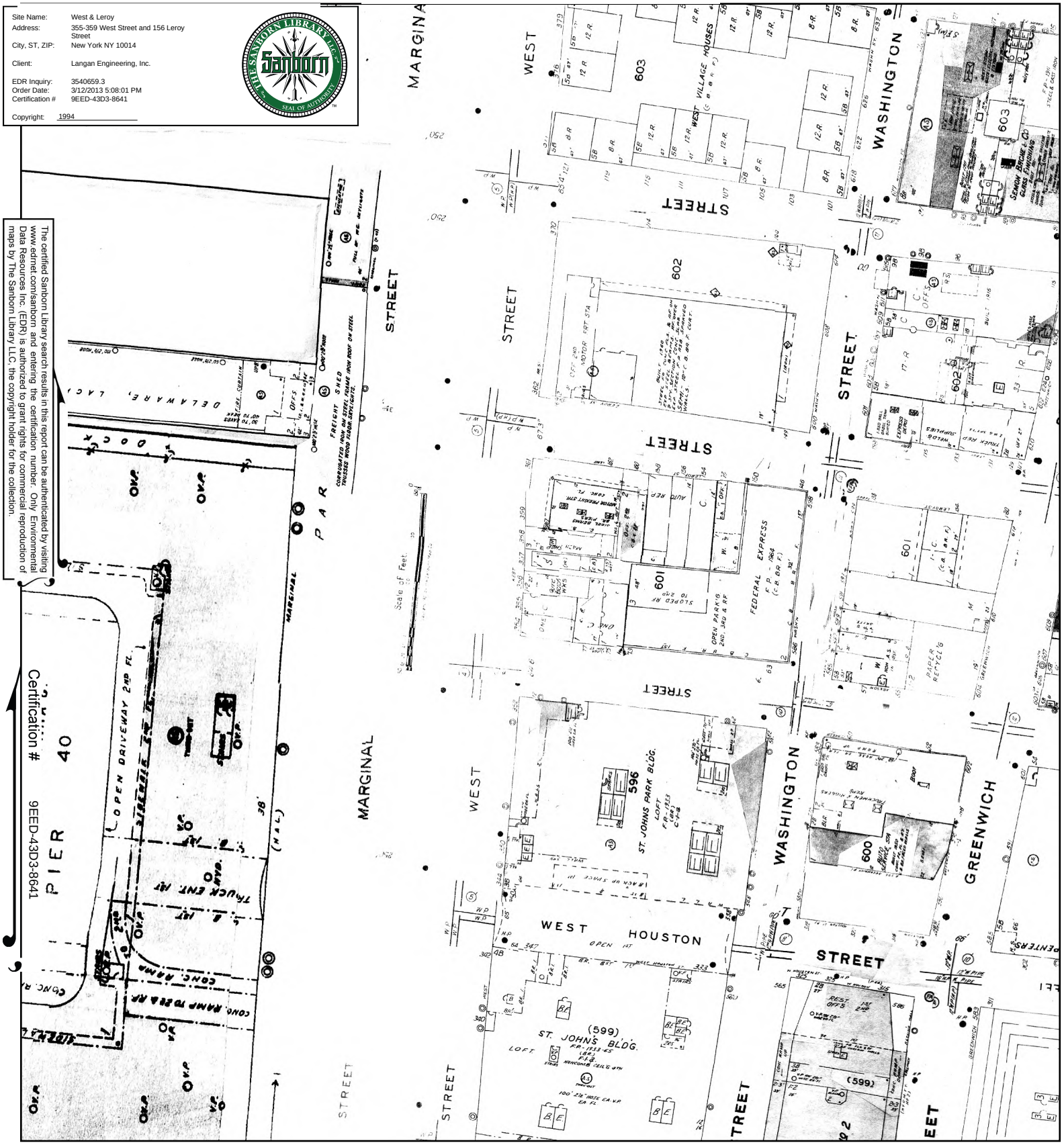

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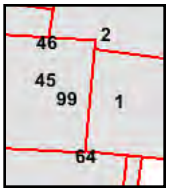

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N

1993 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

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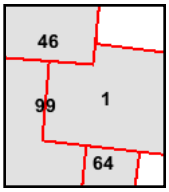

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Volume 3, Sheet 46
Volume 3, Sheet 1

N

1992 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

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Certification # 9EED-43D3-8641

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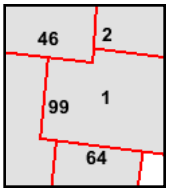

Volume 3, Sheet 1
Volume 3, Sheet 2
Volume 3, Sheet 46
Volume 1N, Sheet 64
Volume 1S, Sheet 99

0 Feet 150 300 600

N

1991 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

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Certification # 9EED-43D3-8641

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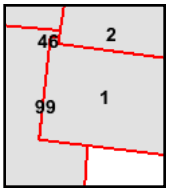

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Volume 3, Sheet 46
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N

1990 Certified Sanborn Map

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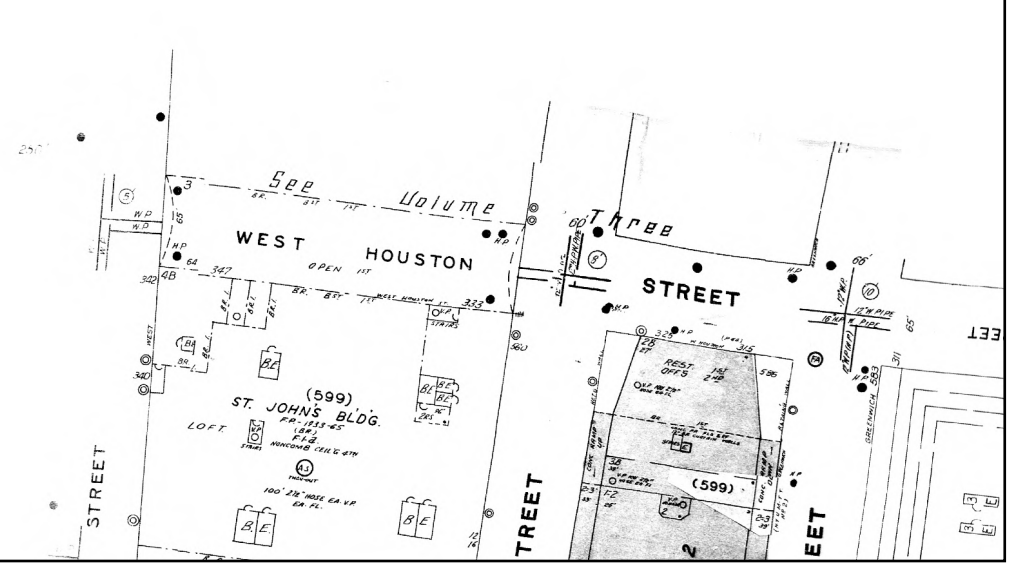
Certification # 9EED-43D3-8641



Site Name:	West & Leroy
Address:	355-359 West Street and 156 Leroy Street
City, ST, ZIP:	New York NY 10014
Client:	Langan Engineering, Inc.
EDR Inquiry:	3540659.3
Order Date:	3/12/2013 5:08:01 PM
Certification #	9EED-43D3-8641
Copyright:	1990

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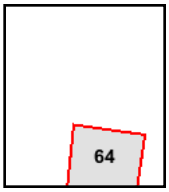

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1988 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
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Certification # 9EED-43D3-8641

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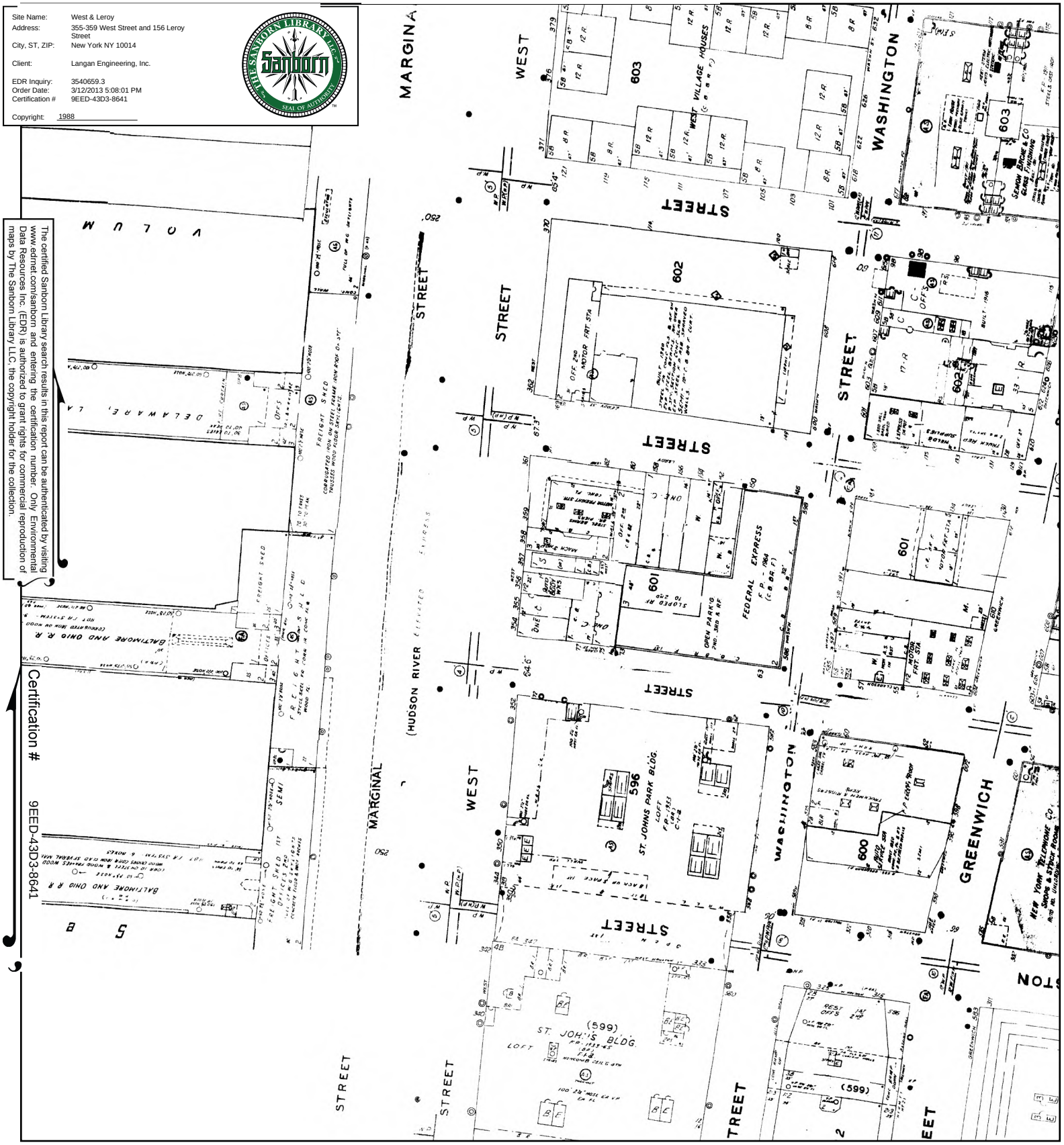
Certification # 9EED-43D3-8641



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

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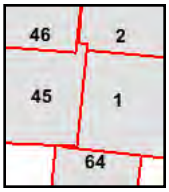

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N

1987 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
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Copyright: 1987

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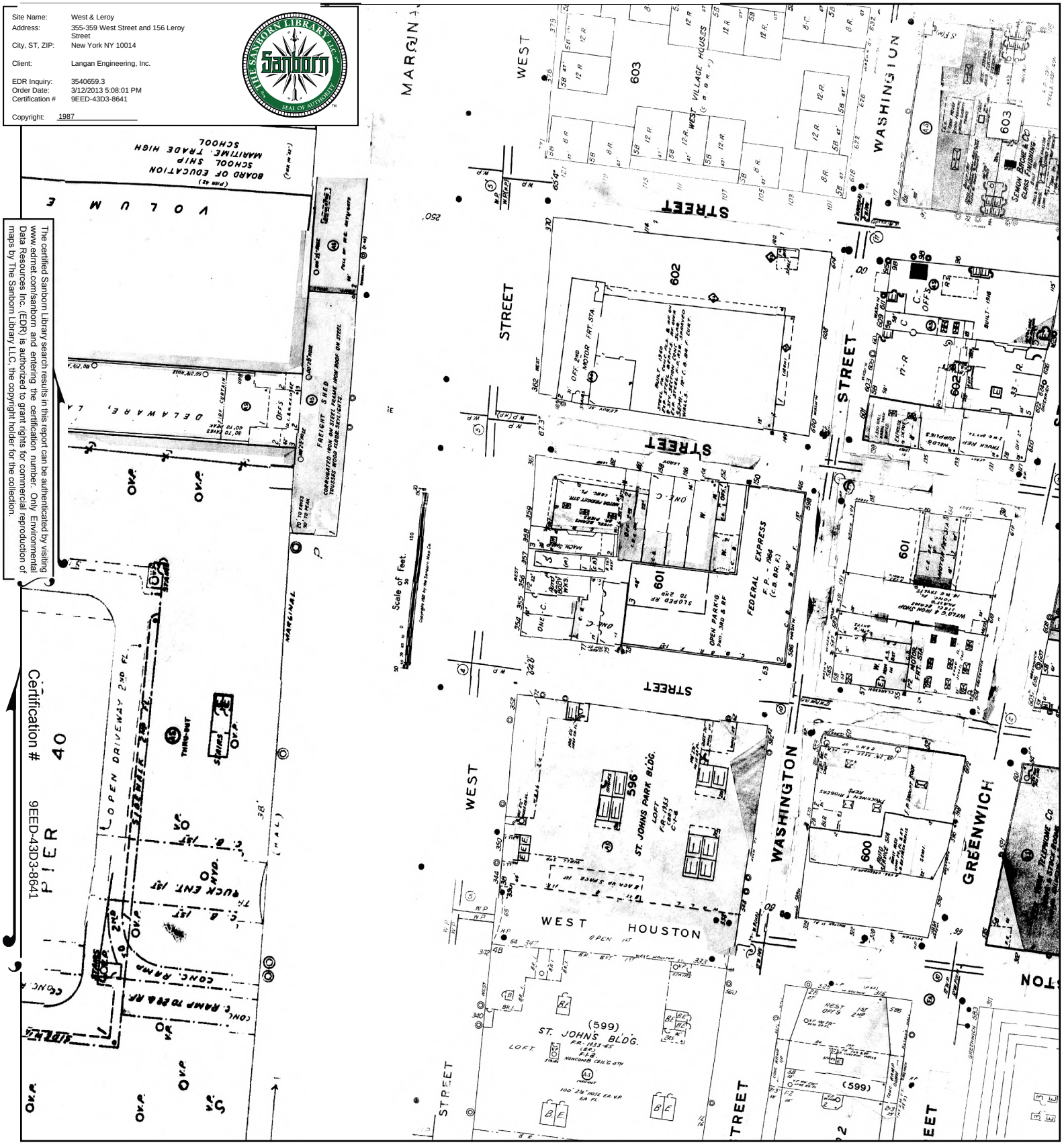

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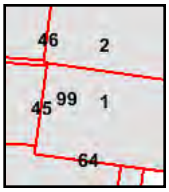

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N

1985 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
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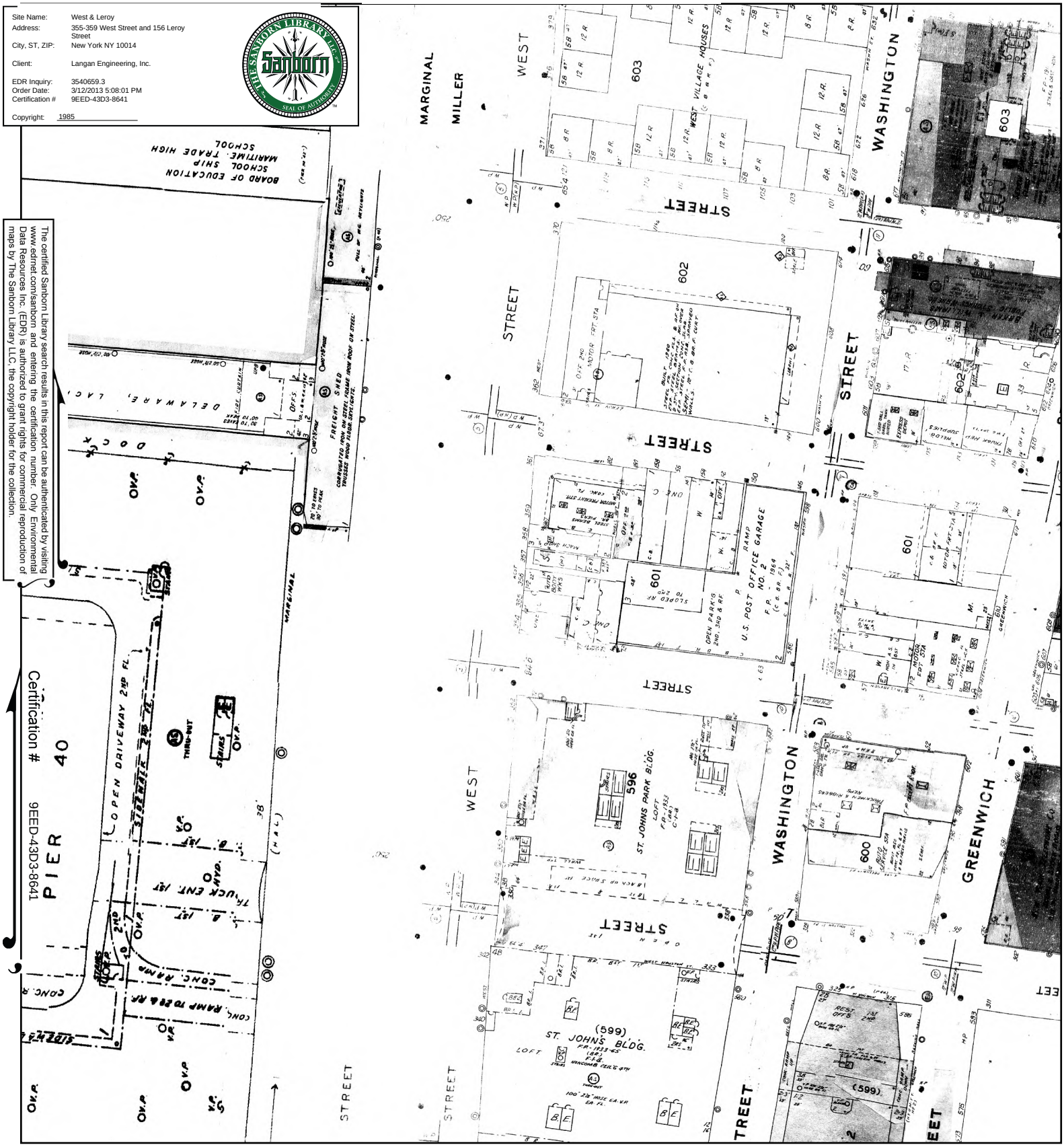
Certification # 9EED-43D3-8641



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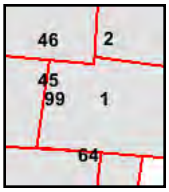

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Volume 1S, Sheet 99
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Volume 3, Sheet 45
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N

1983 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

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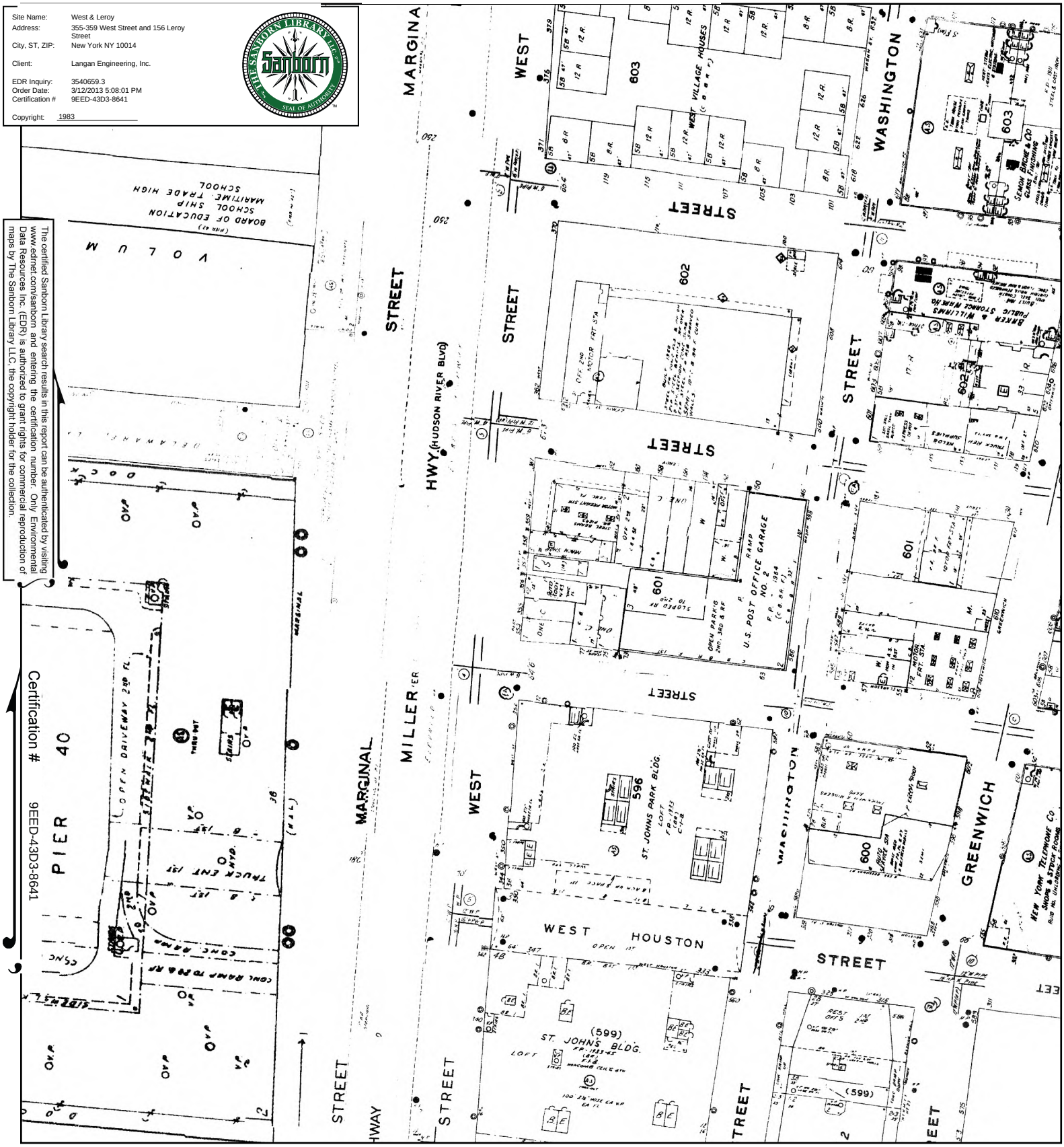

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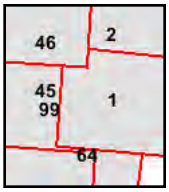

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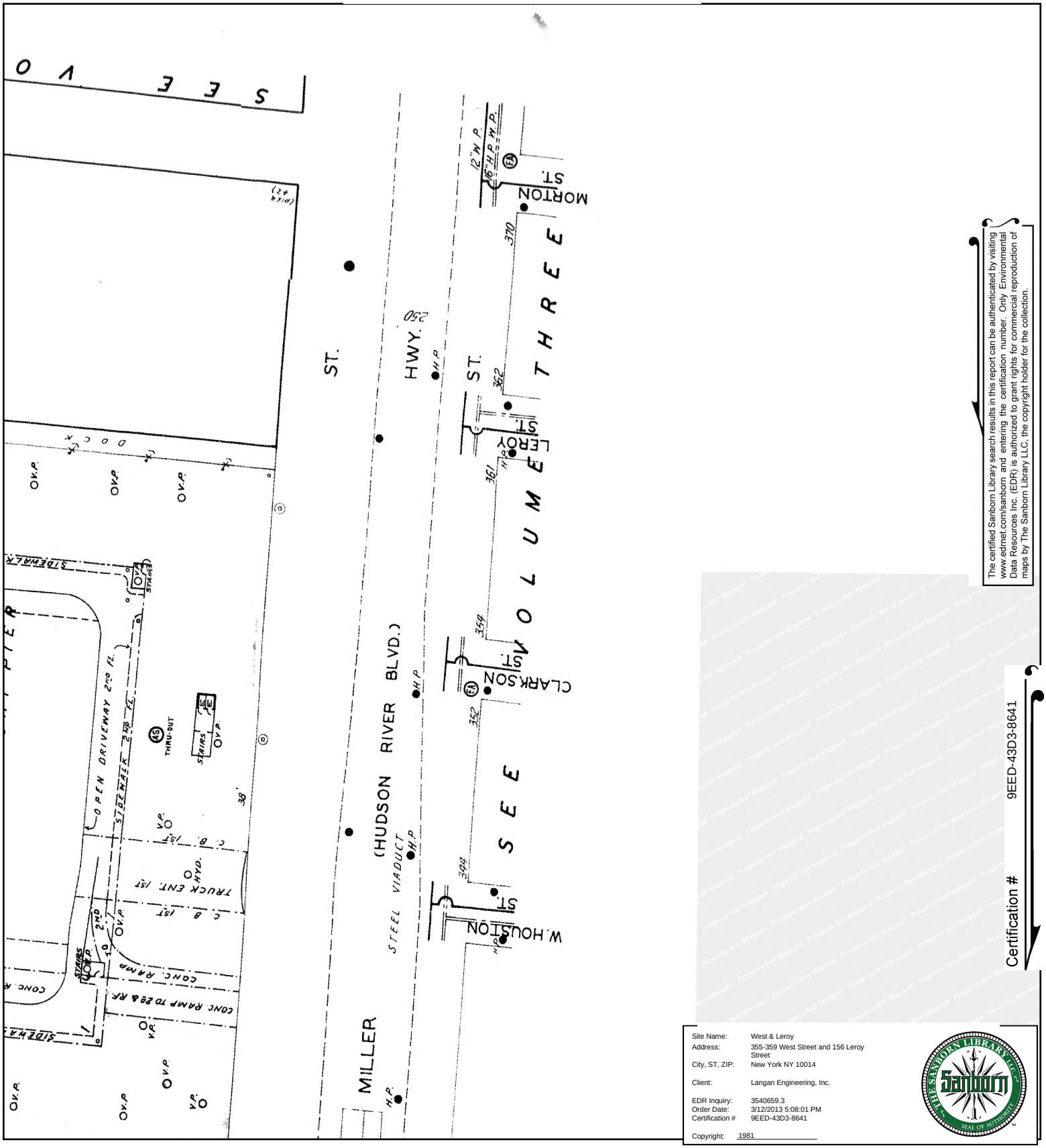
N

1981 Certified Sanborn Map



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Certification # 9EED-43D3-8641

Site Name:	West & Leroy
Address:	355-359 West Street and 156 Leroy Street
City, ST, ZIP:	New York NY 10014
Client:	Langan Engineering, Inc.
EDR Inquiry:	3540659.3
Order Date:	3/12/2013 5:08:01 PM
Certification #	9EED-43D3-8641
Copyright:	1981

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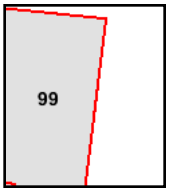

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N

1980 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
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Copyright: 1980

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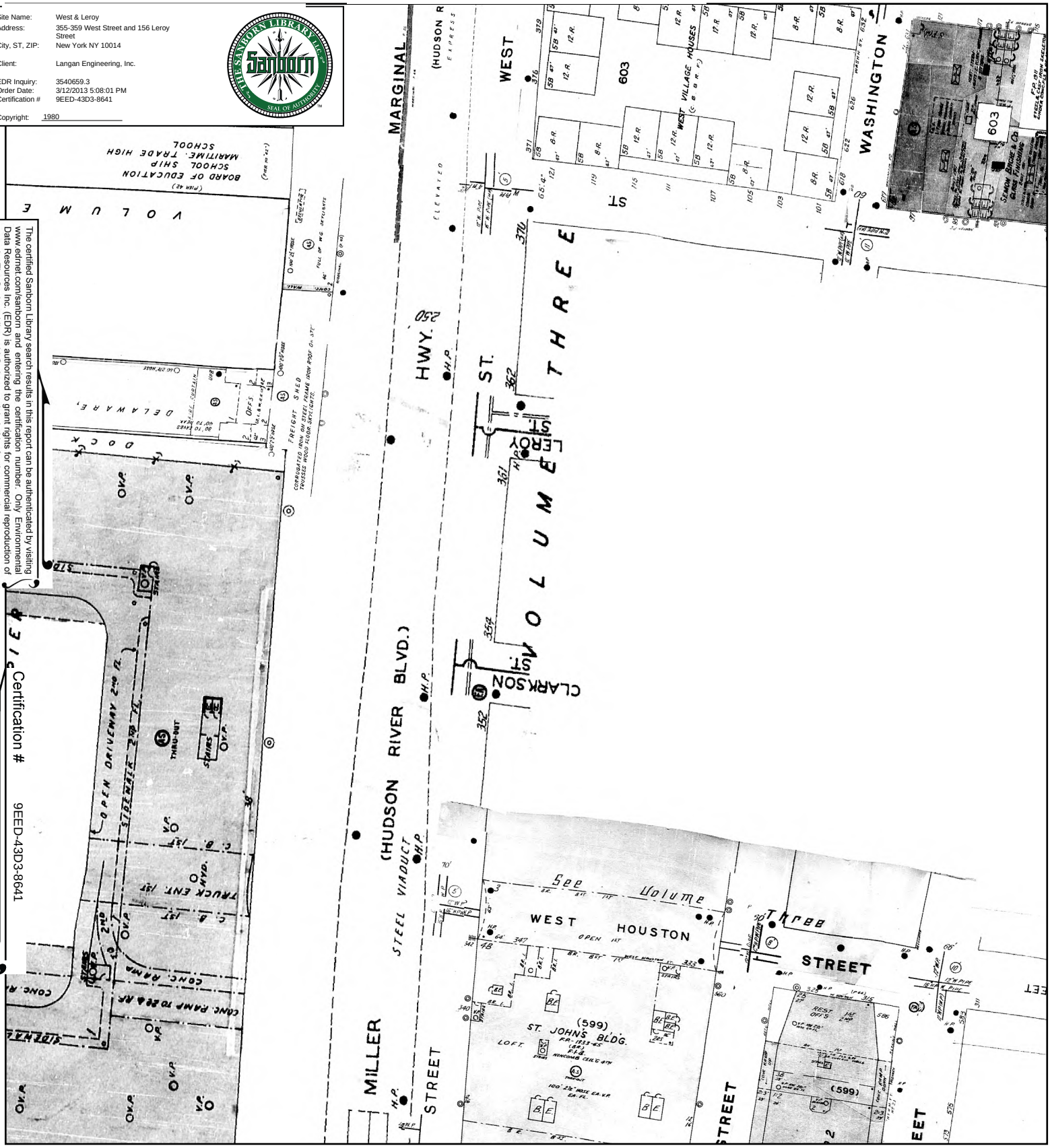
Certification # 9EED-43D3-8641



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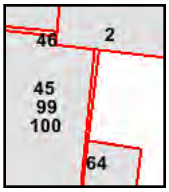

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N

1979 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

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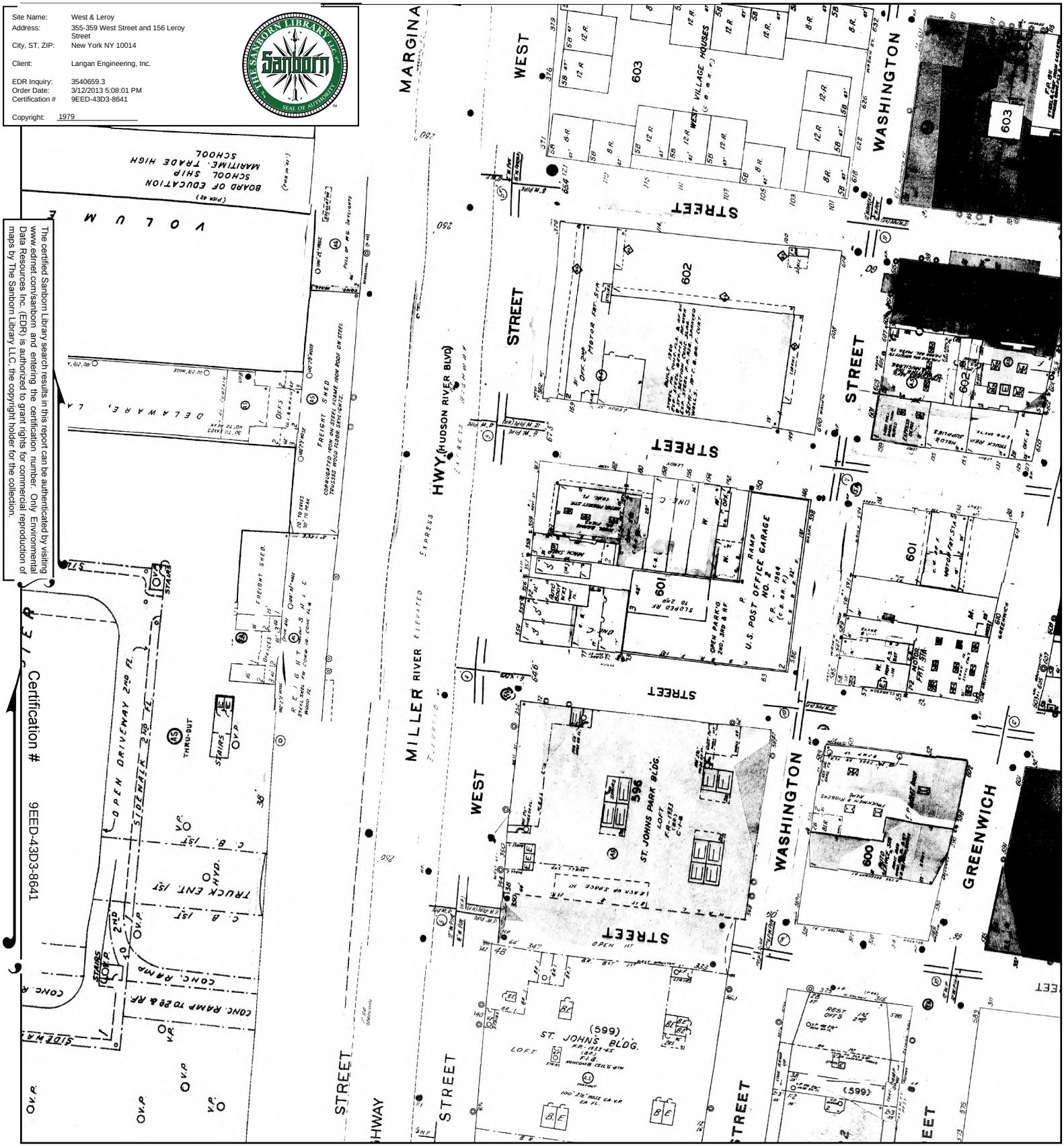

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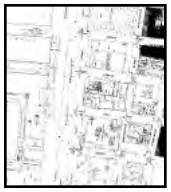

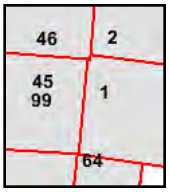

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Volume 3, Sheet 45
Volume 3, Sheet 46

N

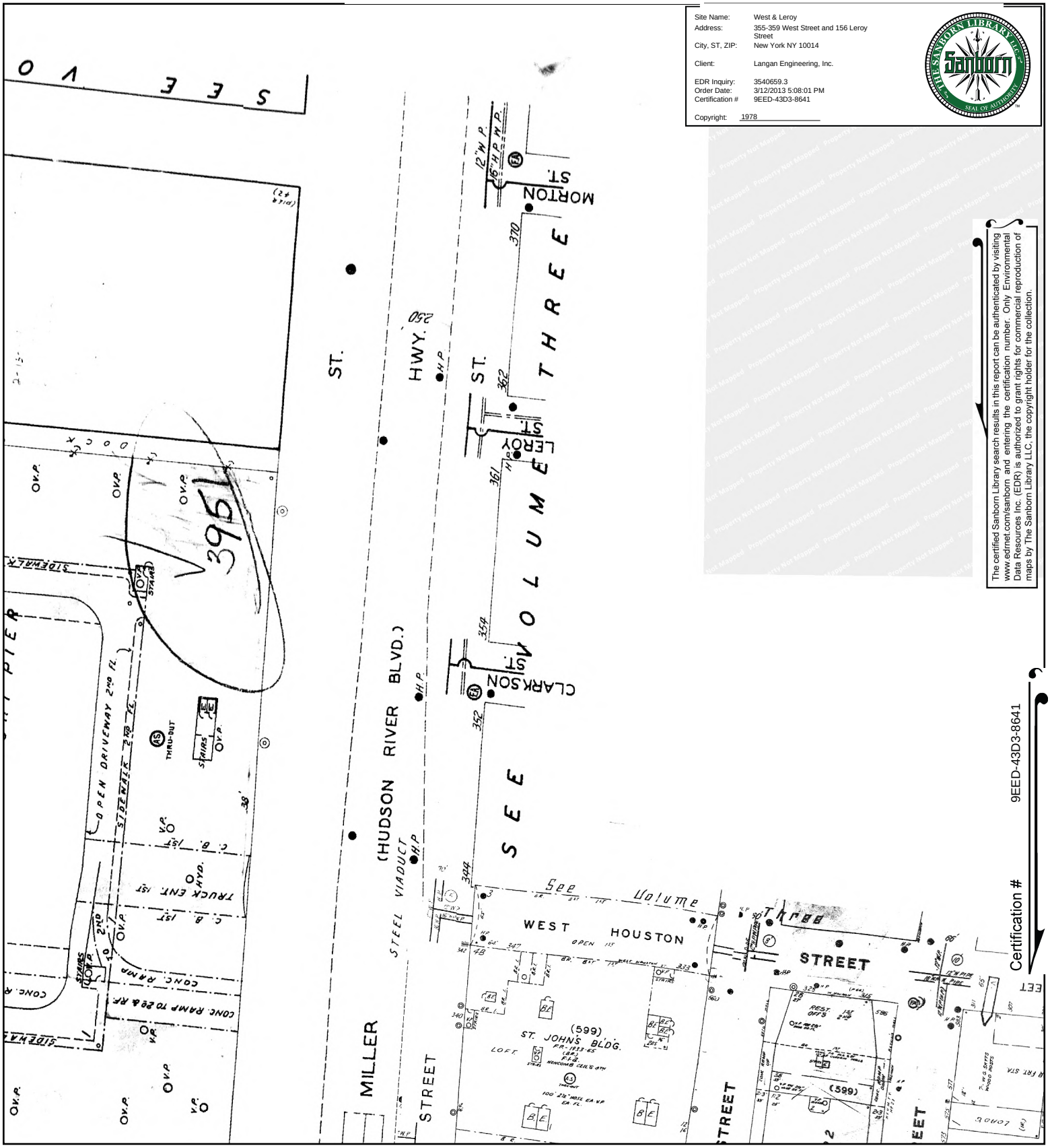
1978 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

Copyright: 1978



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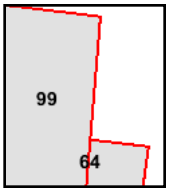

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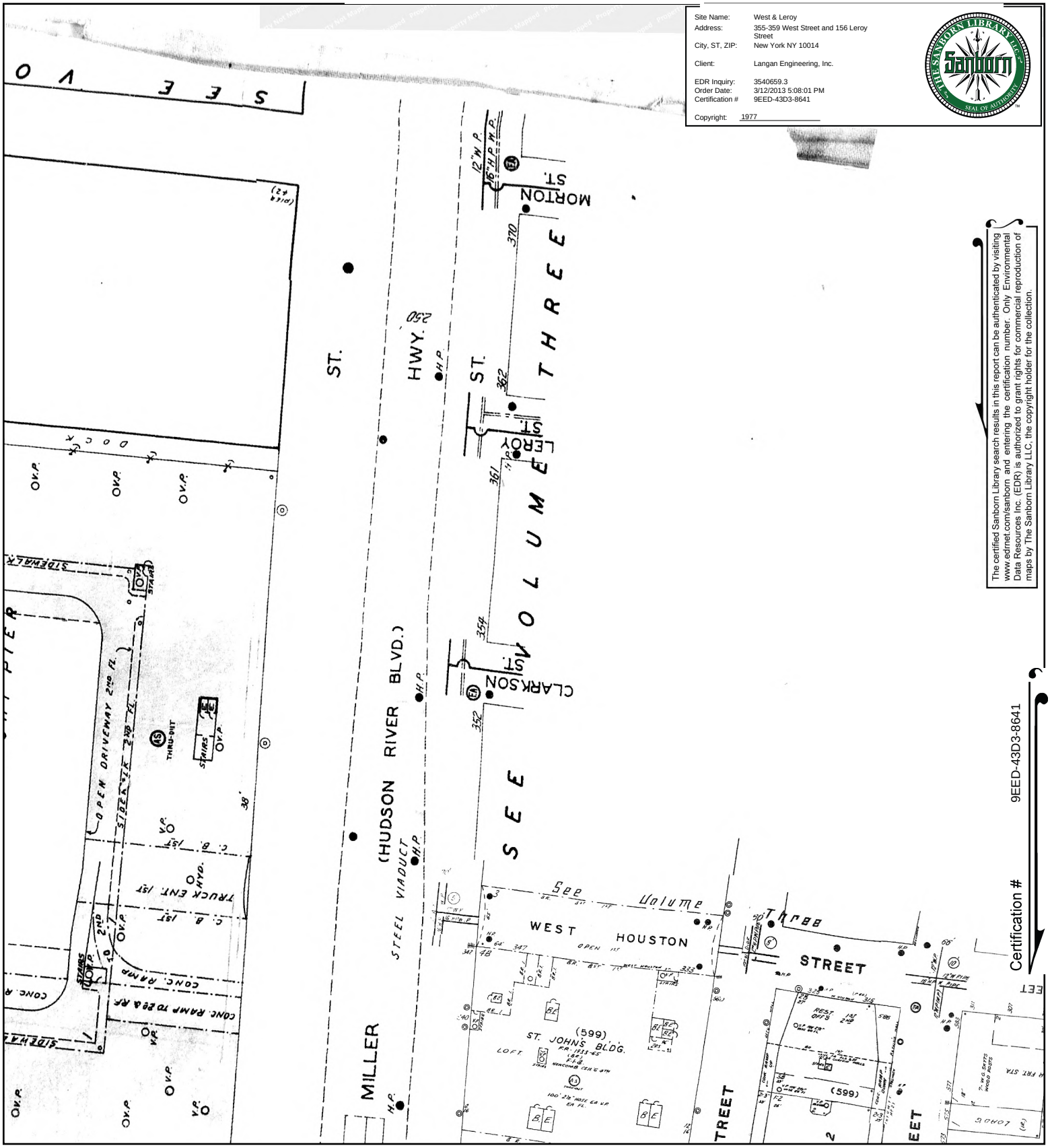
N

1977 Certified Sanborn Map

Site Name:	West & Leroy
Address:	355-359 West Street and 156 Leroy Street
City, ST, ZIP:	New York NY 10014
Client:	Langan Engineering, Inc.
EDR Inquiry:	3540659.3
Order Date:	3/12/2013 5:08:01 PM
Certification #	9EED-43D3-8641
Copyright:	1977



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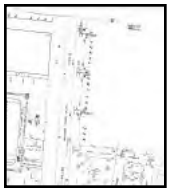

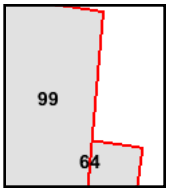

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N

1976 Certified Sanborn Map

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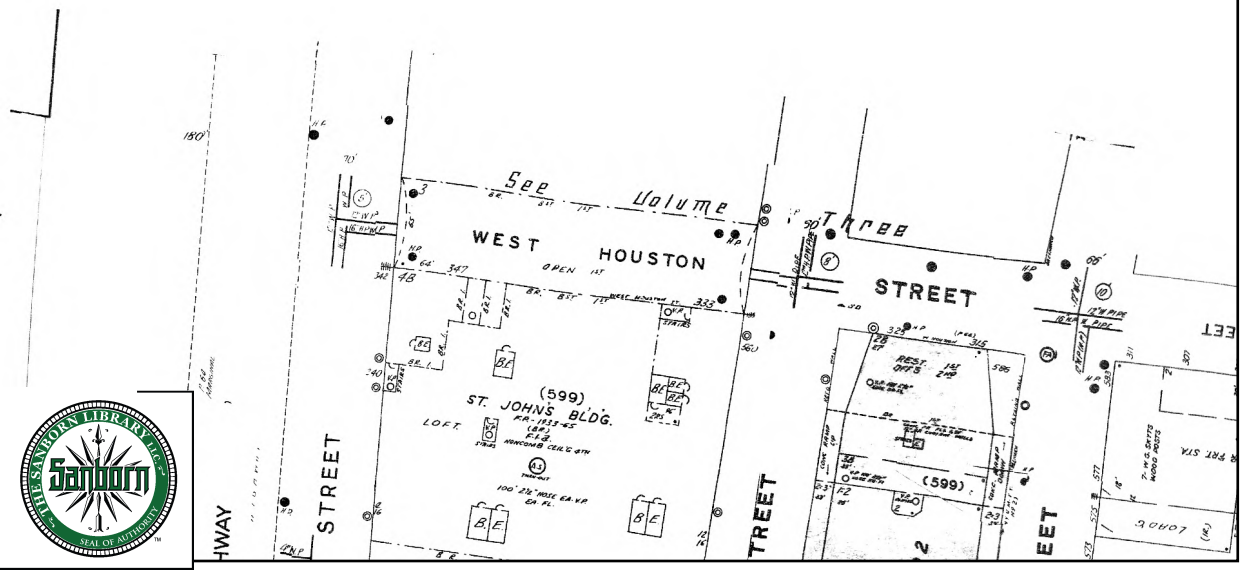

Site Name:	West & Leroy
Address:	355-359 West Street and 156 Leroy Street
City, ST, ZIP:	New York NY 10014
Client:	Langan Engineering, Inc.
EDR Inquiry:	3540659.3
Order Date:	3/12/2013 5:08:01 PM
Certification #	9EED-43D3-8641
Copyright:	1976

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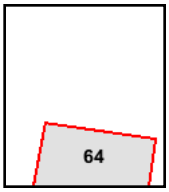


Volume 1N, Sheet 64

N

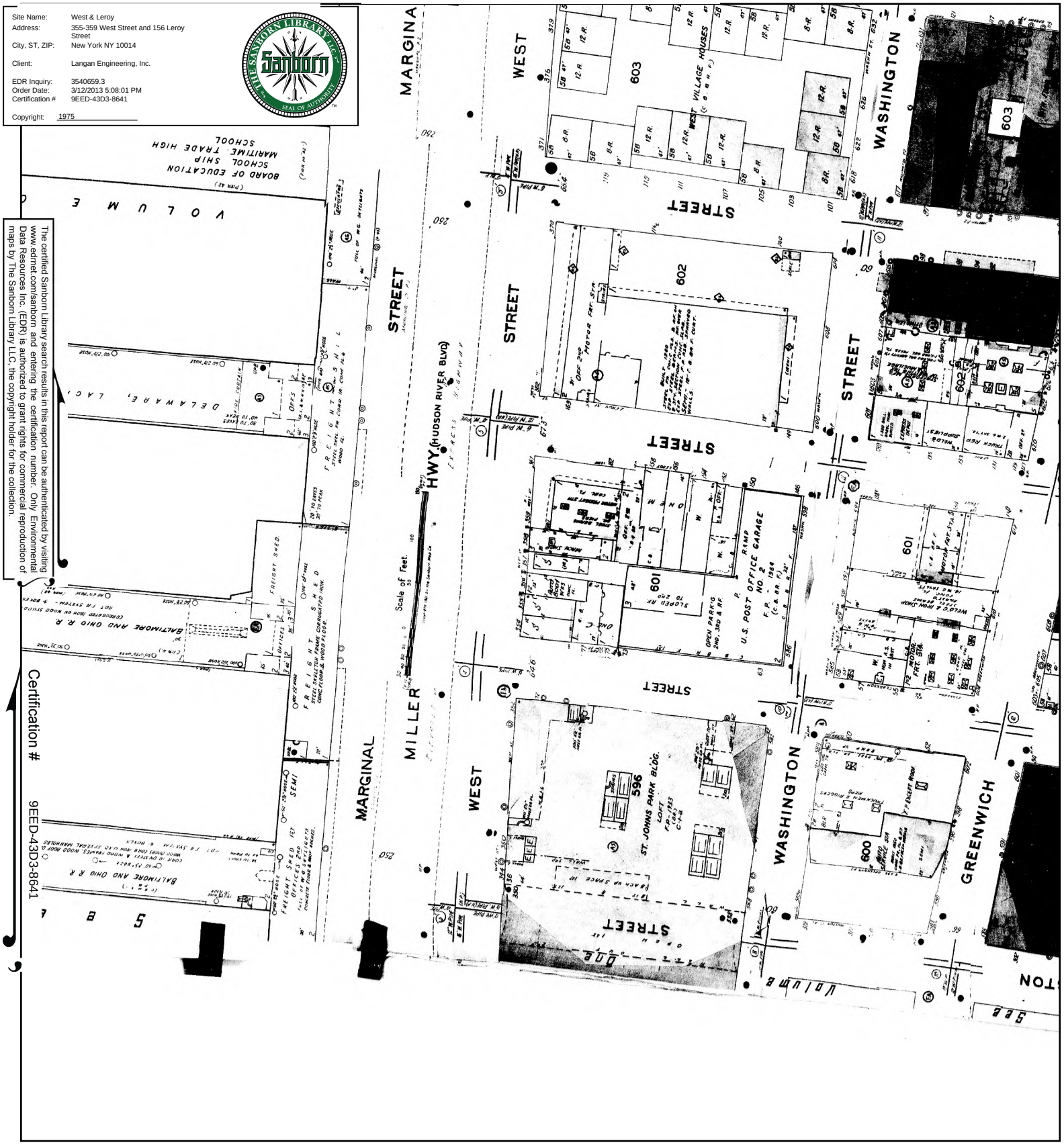
1975 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

Copyright: 1975



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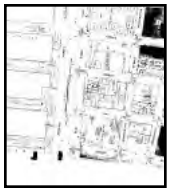

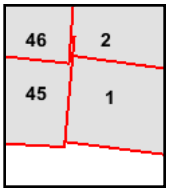

Volume 3, Sheet 45
Volume 3, Sheet 46
Volume 3, Sheet 1
Volume 3, Sheet 2

0 Feet 150 300 600

N

1969 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
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Certification # 9EED-43D3-8641

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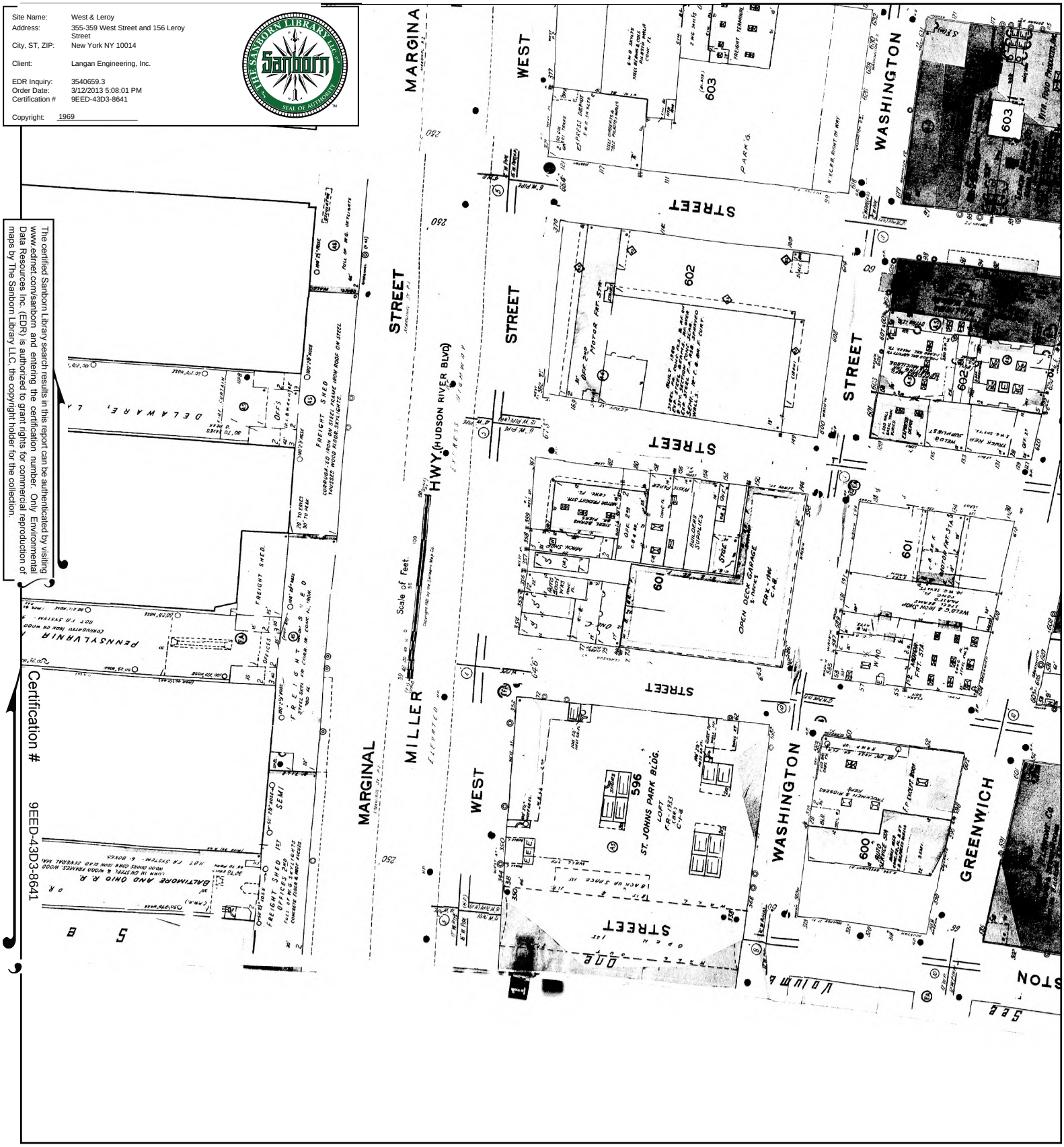

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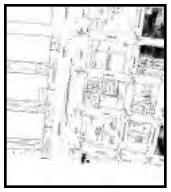

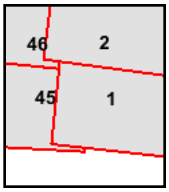

Volume 3, Sheet 45
Volume 3, Sheet 46
Volume 3, Sheet 1
Volume 3, Sheet 2

0 Feet 150 300 600

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1968 Certified Sanborn Map

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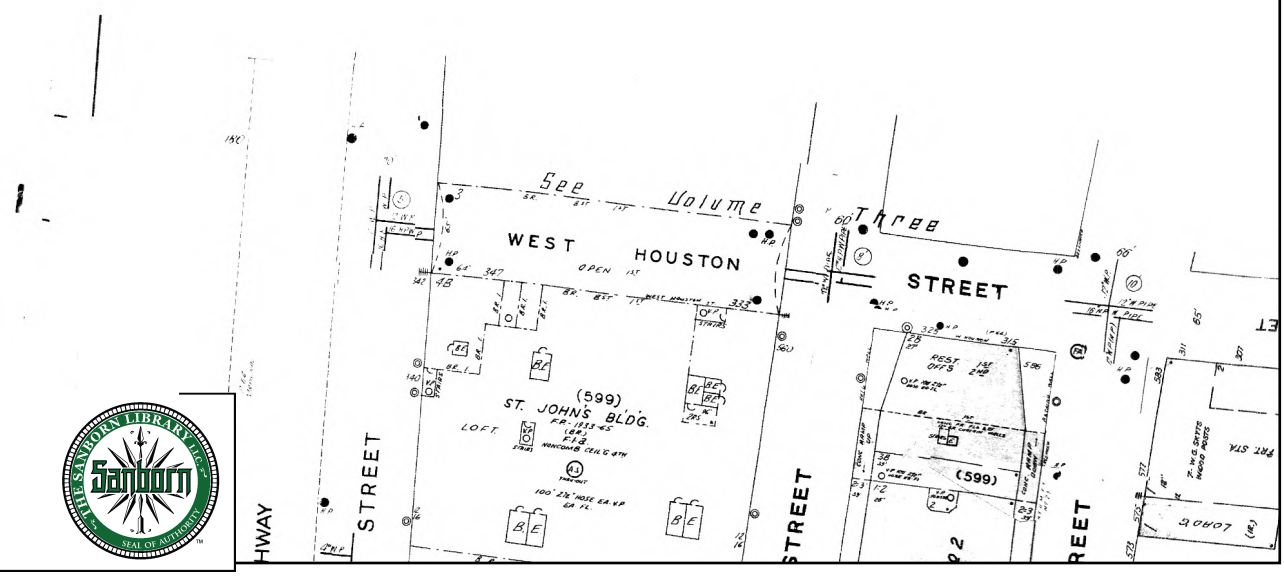

Site Name:	West & Leroy
Address:	355-359 West Street and 156 Leroy Street
City, ST, ZIP:	New York NY 10014
Client:	Langan Engineering, Inc.
EDR Inquiry:	3540659.3
Order Date:	3/12/2013 5:08:01 PM
Certification #	9EED-43D3-8641
Copyright:	1968

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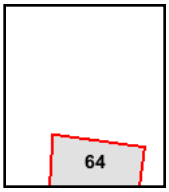

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N

1950 Certified Sanborn Map

Site Name:	West & Leroy
Address:	355-359 West Street and 156 Leroy Street
City, ST, ZIP:	New York NY 10014
Client:	Langan Engineering, Inc.
EDR Inquiry:	3540659.3
Order Date:	3/12/2013 5:08:01 PM
Certification #	9EED-43D3-8641
Copyright:	1950

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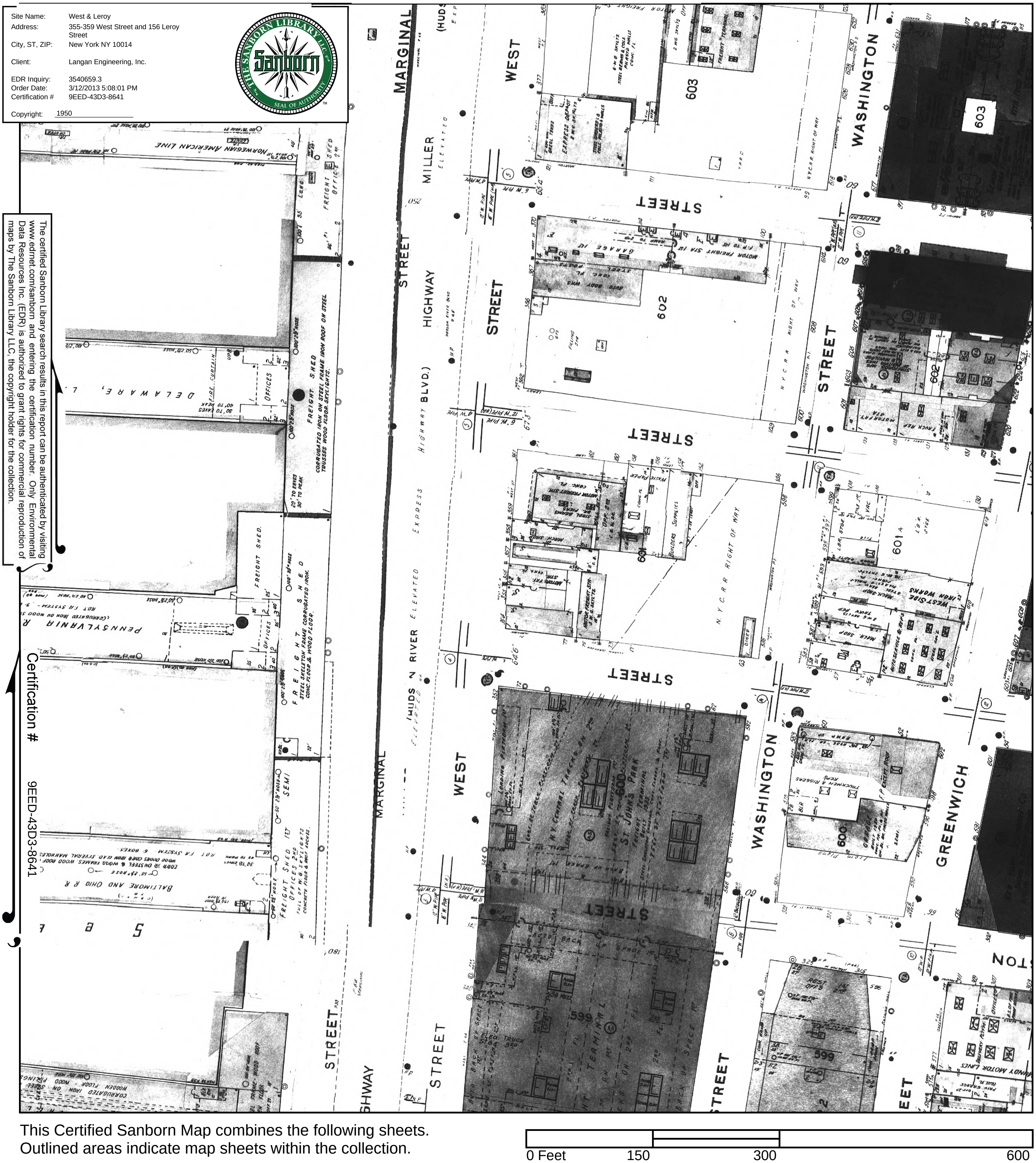

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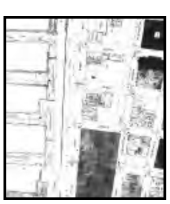

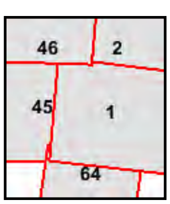

Volume 3, Sheet 1
Volume 3, Sheet 2
Volume 3, Sheet 45
Volume 3, Sheet 46
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1928 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

Copyright: 1928

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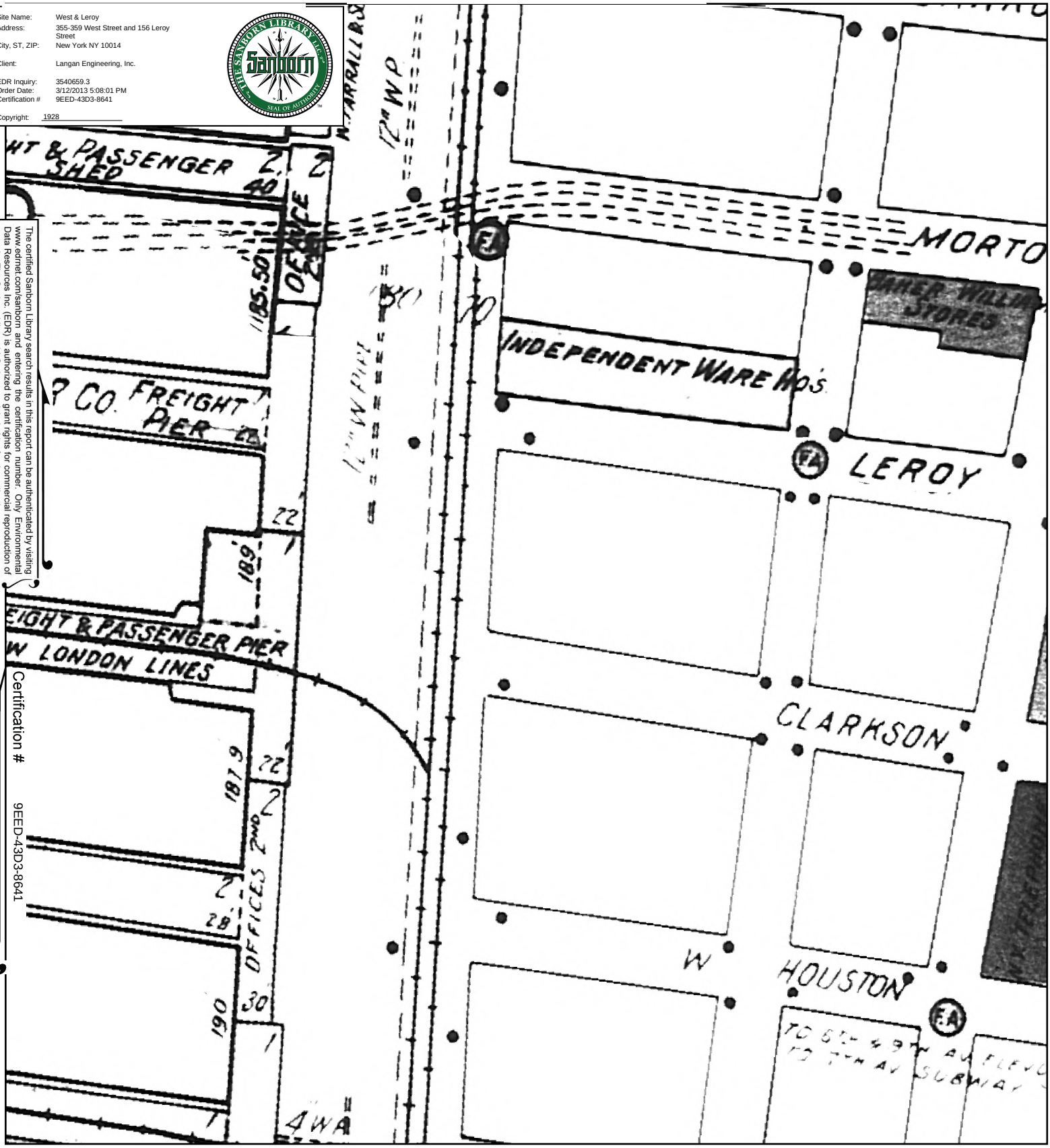
Certification # 9EED-43D3-8641



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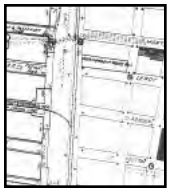

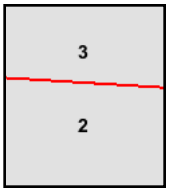

Volume Pier Maps, Sheet 2
Volume Pier Maps, Sheet 3

N

1922 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

Copyright: 1922

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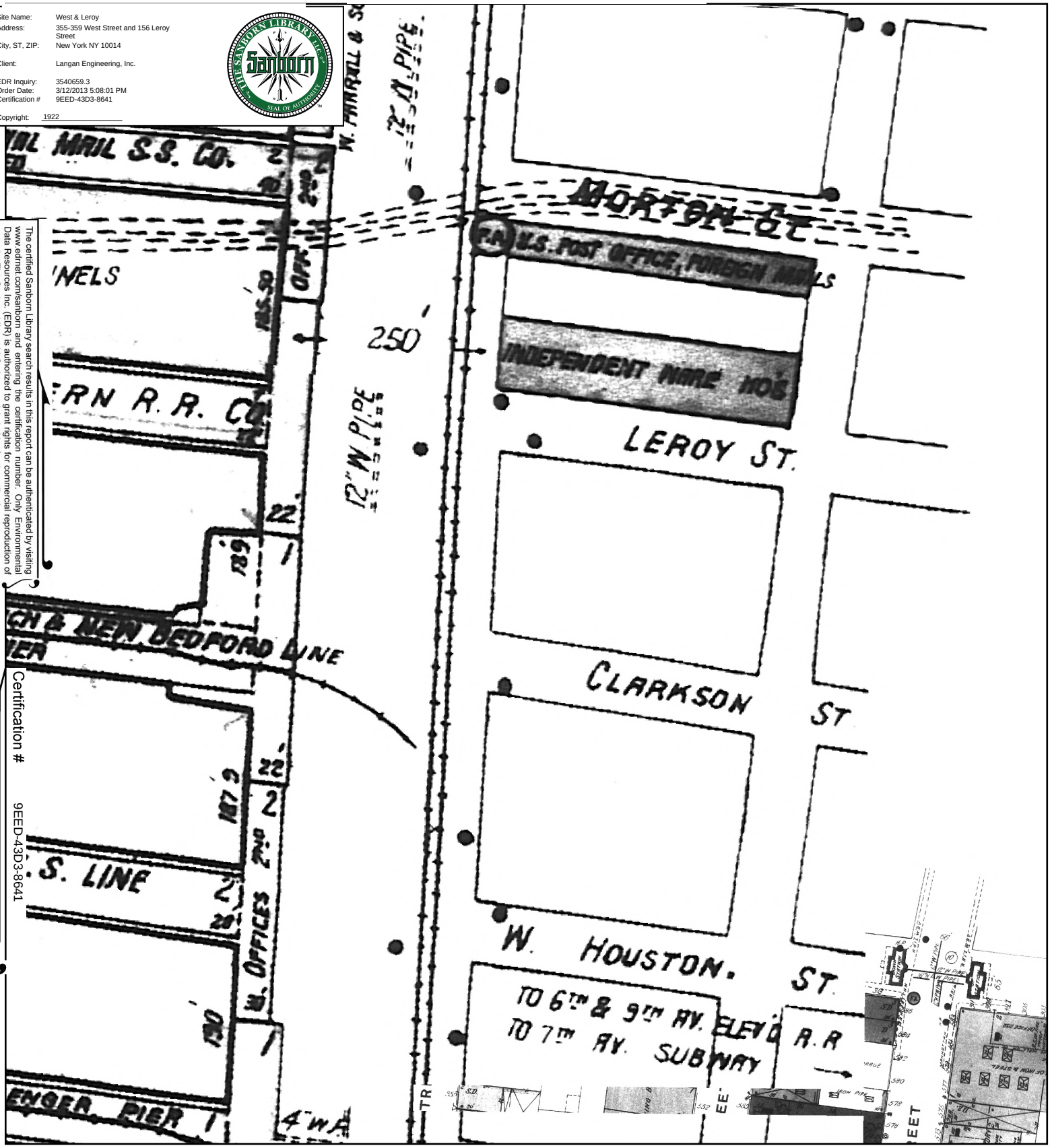
Certification # 9EED-43D3-8641



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

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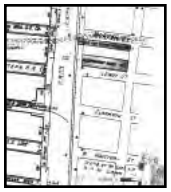

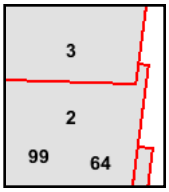

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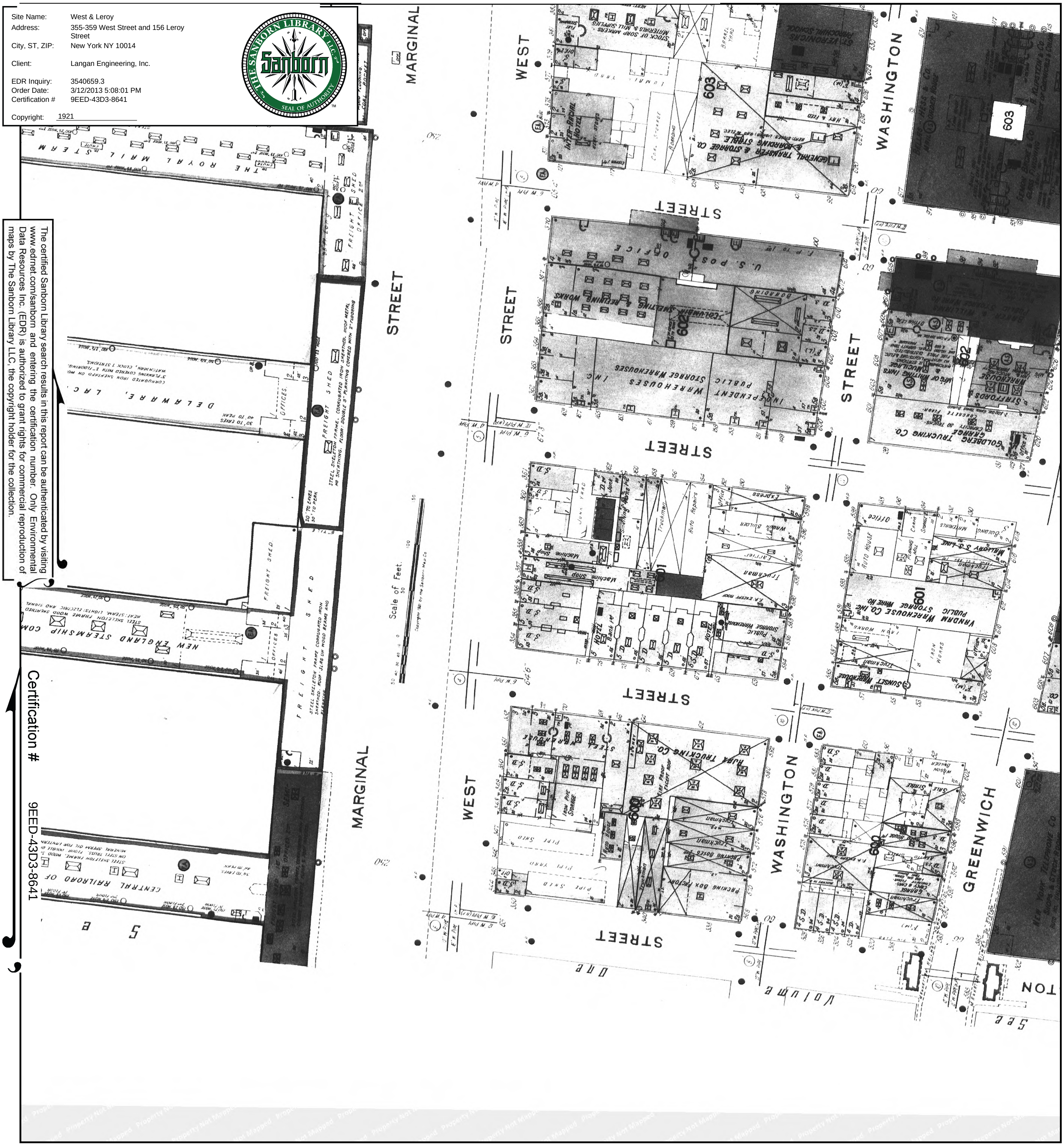
Volume Pier Maps, Sheet 3
Volume 1N, Sheet 64
Volume 1N, Sheet 99

N

1921 Certified Sanborn Map

Site Name:	West & Leroy
Address:	355-359 West Street and 156 Leroy Street
City, ST, ZIP:	New York NY 10014
Client:	Langan Engineering, Inc.
EDR Inquiry:	3540659.3
Order Date:	3/12/2013 5:08:01 PM
Certification #	9EED-43D3-8641
Copyright:	1921



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Certification # 9EED-43D3-8641

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Outlined areas indicate map sheets within the collection.

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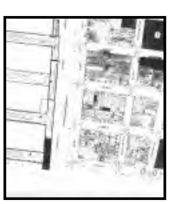

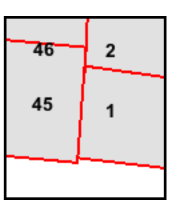

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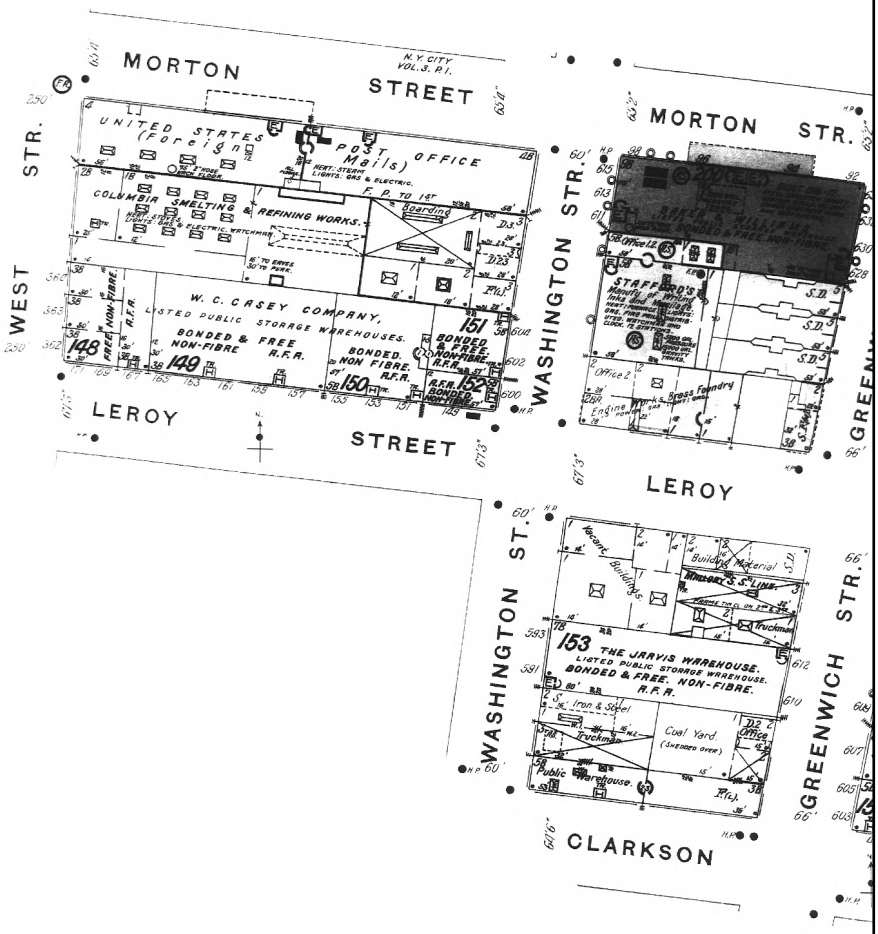
Volume 3, Sheet 2
Volume 3, Sheet 45
Volume 3, Sheet 46

N

1919 Certified Sanborn Map



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Certification # 9EED-43D3-8641

Site Name:	West & Leroy
Address:	355-359 West Street and 156 Leroy Street
City, ST, ZIP:	New York NY 10014
Client:	Langan Engineering, Inc.
EDR Inquiry:	3540659.3
Order Date:	3/12/2013 5:08:01 PM
Certification #	9EED-43D3-8641
Copyright:	1919

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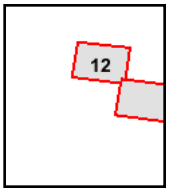

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N

1913 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

Copyright: 1913

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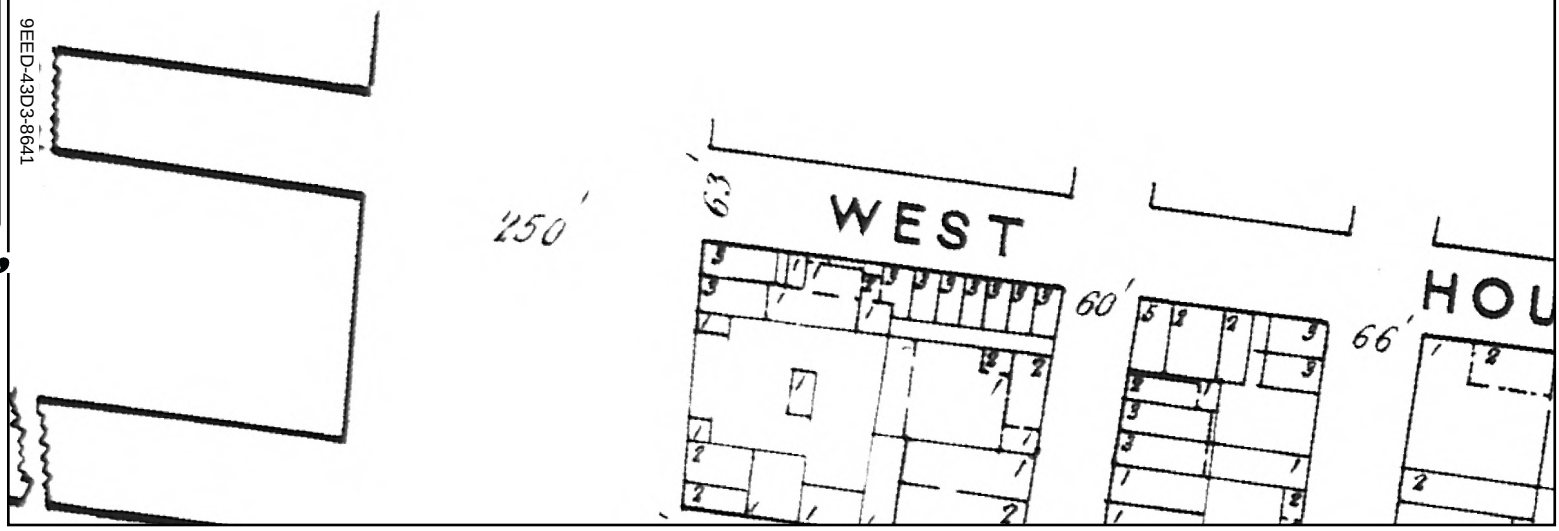

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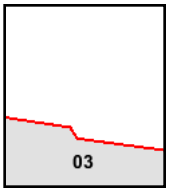

Volume Atlas Maps, Sheet 03

N

1905 Certified Sanborn Map

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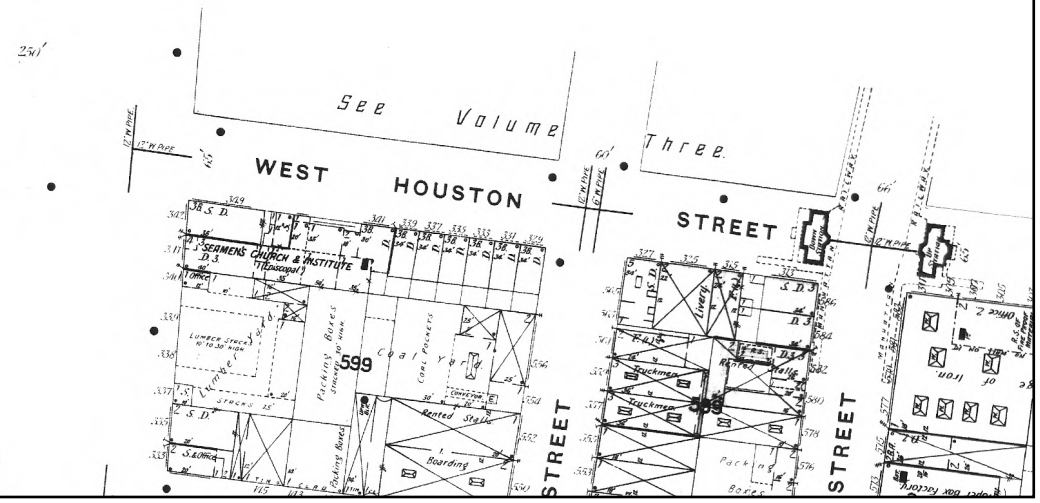
Certification # 9EED-43D3-8641



Site Name:	West & Leroy
Address:	355-359 West Street and 156 Leroy Street
City, ST, ZIP:	New York NY 10014
Client:	Langan Engineering, Inc.
EDR Inquiry:	3540659.3
Order Date:	3/12/2013 5:08:01 PM
Certification #	9EED-43D3-8641
Copyright:	1905

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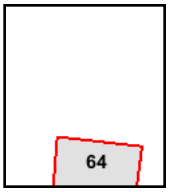

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N

1904 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

Copyright: 1904

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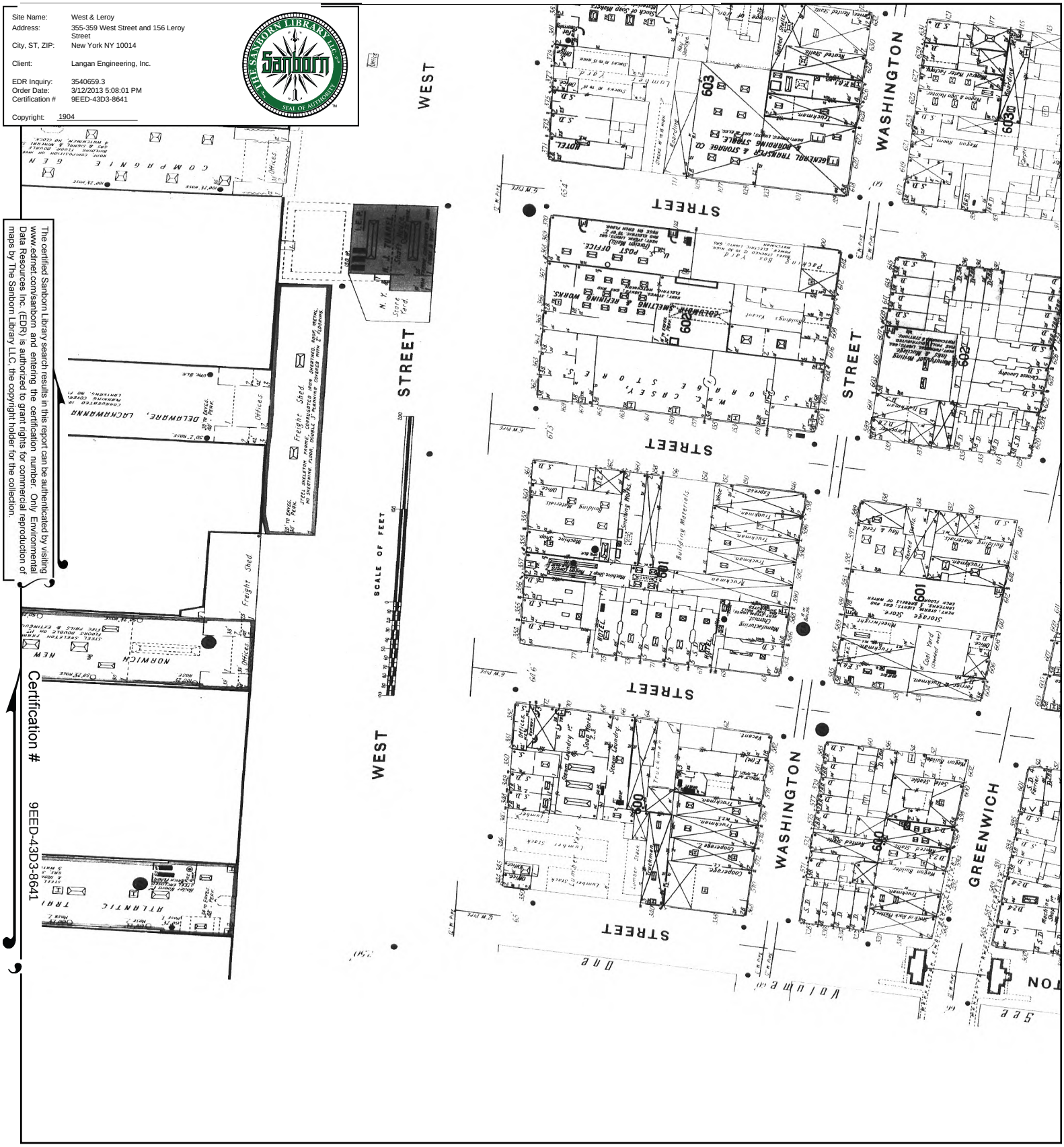
Certification # 9EED-43D3-8641



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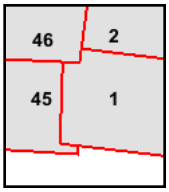

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N

1895 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

Copyright: 1895

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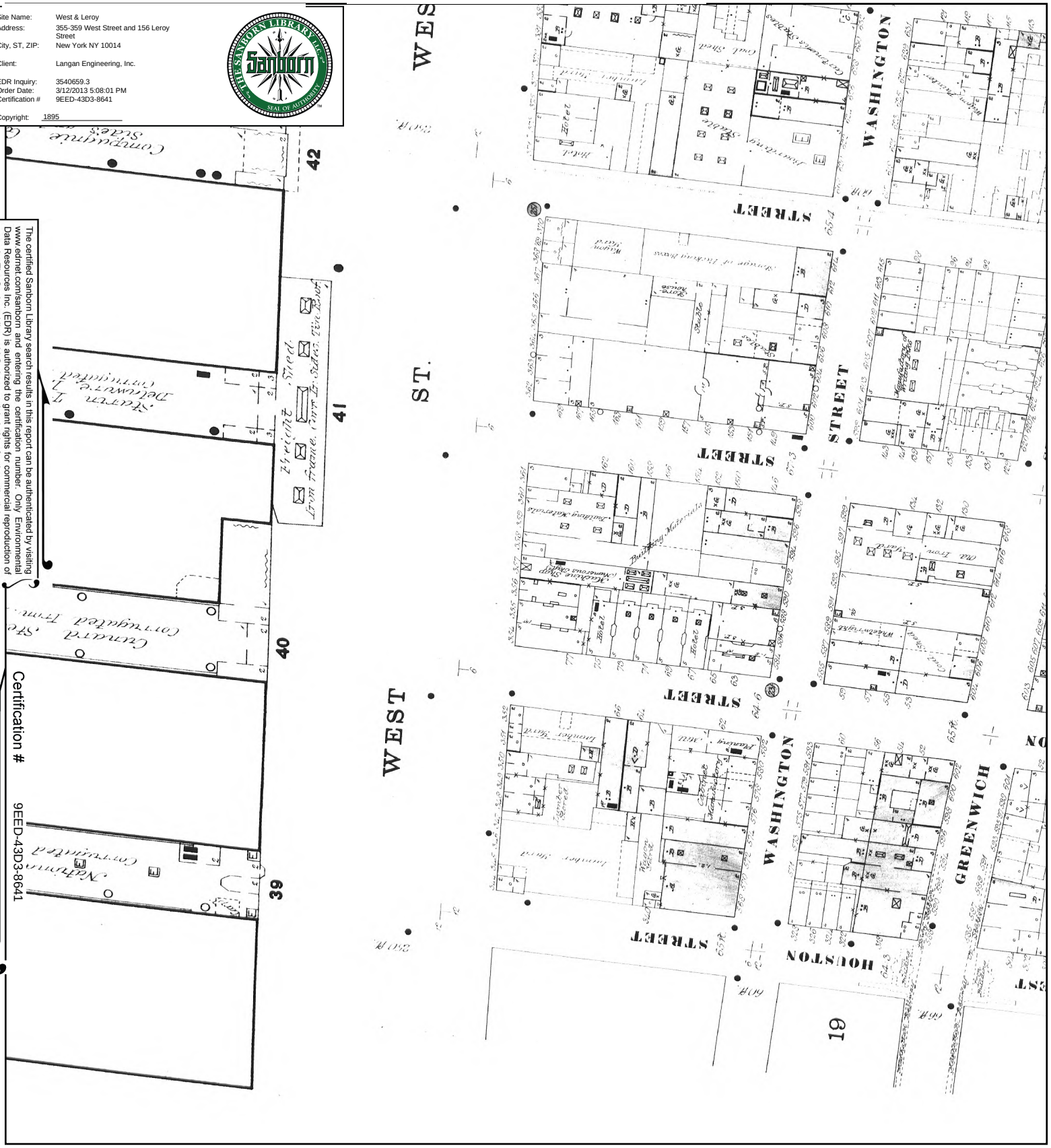
Certification # 9EED-43D3-8641



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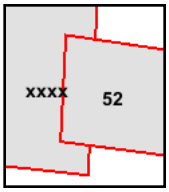

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Volume 3, Sheet xxxx

0 Feet 150 300 600

N

1894 Certified Sanborn Map

Site Name: West & Leroy
Address: 355-359 West Street and 156 Leroy Street
City, ST, ZIP: New York NY 10014

Client: Langan Engineering, Inc.

EDR Inquiry: 3540659.3
Order Date: 3/12/2013 5:08:01 PM
Certification # 9EED-43D3-8641

Copyright: 1894

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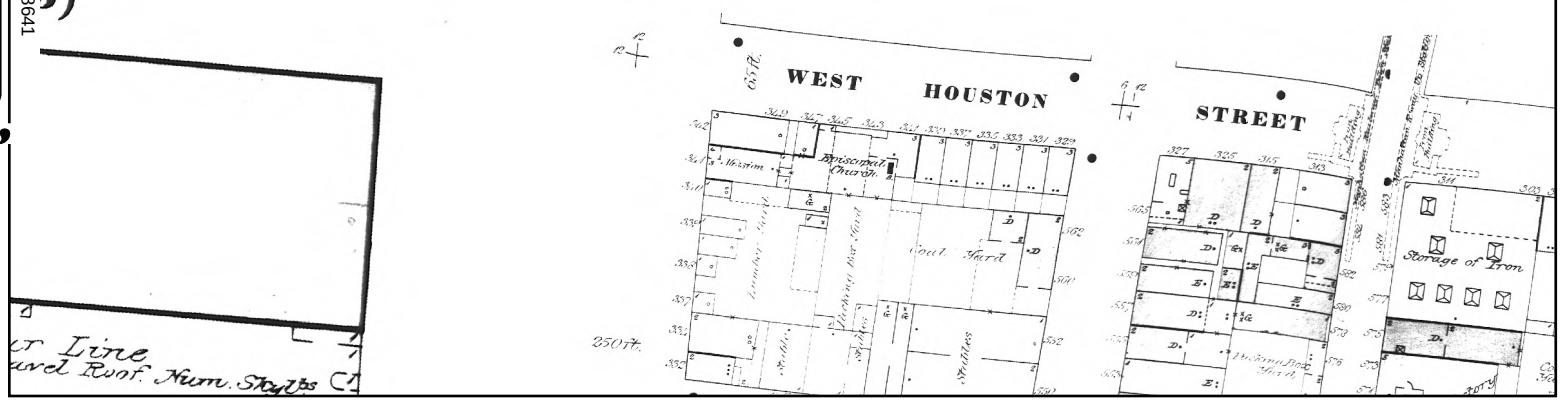
Certification # 9EED-43D3-8641



This Certified Sanborn Map combines the following sheets.
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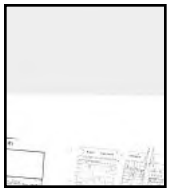

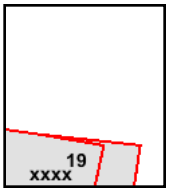

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Volume 1N, Sheet xxxx

N

APPENDIX J
HISTORICAL USGS TOPOGRAPHIC QUADRANGLE MAPS

West & Leroy
355-359 West Street and 156 Leroy Street
New York, NY 10014

Inquiry Number: 3540659.4
March 11, 2013

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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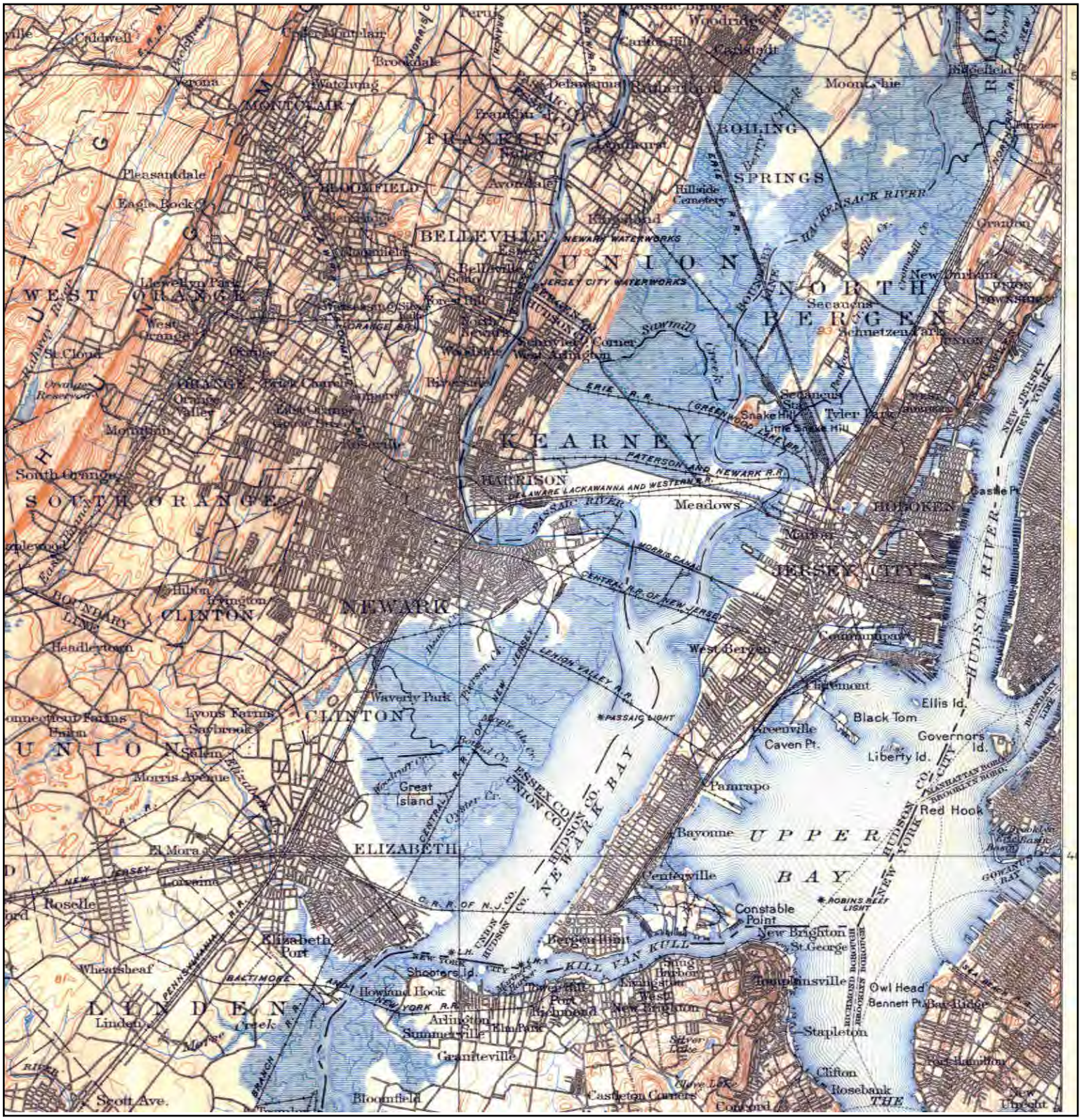
Historical Topographic Map

N	TARGET QUAD NAME: STATEN ISLAND MAP YEAR: 1891 SERIES: 15 SCALE: 1:62500	SITE NAME: West & Leroy ADDRESS: 355-359 West Street and 156 Leroy Street New York, NY 10014 LAT/LONG: 40.7301 / -74.0102	CLIENT: Langan Engineering, Inc. CONTACT: Gregory Wyka INQUIRY#: 3540659.4 RESEARCH DATE: 03/11/2013

Historical Topographic Map

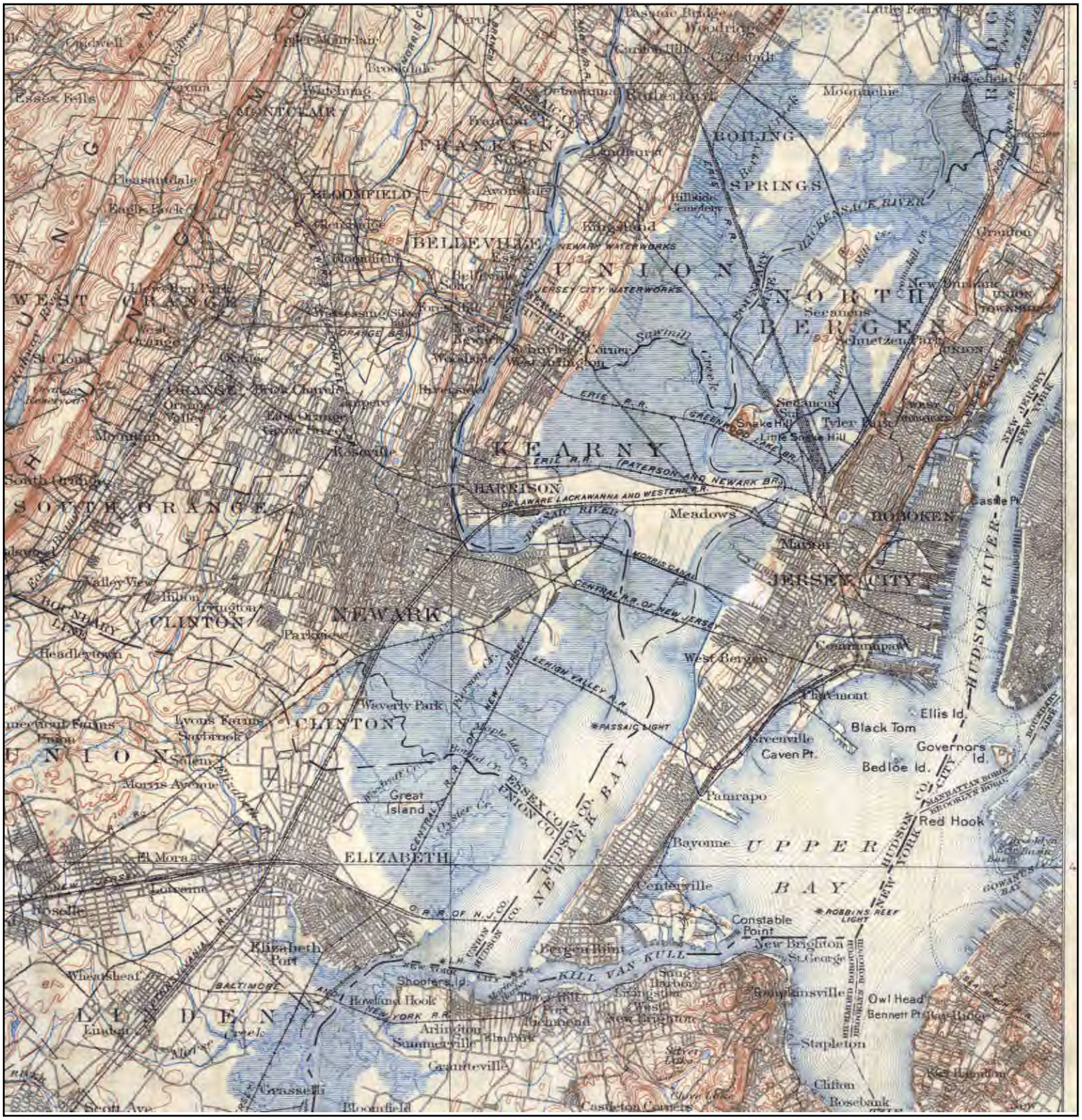
N	TARGET QUAD NAME: STATEN ISLAND MAP YEAR: 1900 SERIES: 15 SCALE: 1:62500	SITE NAME: West & Leroy ADDRESS: 355-359 West Street and 156 Leroy Street New York, NY 10014 LAT/LONG: 40.7301 / -74.0102	CLIENT: Langan Engineering, Inc. CONTACT: Gregory Wyka INQUIRY#: 3540659.4 RESEARCH DATE: 03/11/2013

Historical Topographic Map



N	TARGET QUAD NAME: PASSAIC MAP YEAR: 1900 SERIES: 30 SCALE: 1:125000	SITE NAME: West & Leroy ADDRESS: 355-359 West Street and 156 Leroy Street New York, NY 10014 LAT/LONG: 40.7301 / -74.0102	CLIENT: Langan Engineering, Inc. CONTACT: Gregory Wyka INQUIRY#: 3540659.4 RESEARCH DATE: 03/11/2013

Historical Topographic Map



N	TARGET QUAD NAME: PASSAIC MAP YEAR: 1905 SERIES: 30 SCALE: 1:125000	SITE NAME: West & Leroy ADDRESS: 355-359 West Street and 156 Leroy Street New York, NY 10014 LAT/LONG: 40.7301 / -74.0102	CLIENT: Langan Engineering, Inc. CONTACT: Gregory Wyka INQUIRY#: 3540659.4 RESEARCH DATE: 03/11/2013

Historical Topographic Map

N	TARGET QUAD NAME: STATEN ISLAND MAP YEAR: 1925 REVISED FROM :1900 SERIES: 15 SCALE: 1:62500	SITE NAME: West & Leroy ADDRESS: 355-359 West Street and 156 Leroy Street New York, NY 10014 LAT/LONG: 40.7301 / -74.0102	CLIENT: Langan Engineering, Inc. CONTACT: Gregory Wyka INQUIRY#: 3540659.4 RESEARCH DATE: 03/11/2013

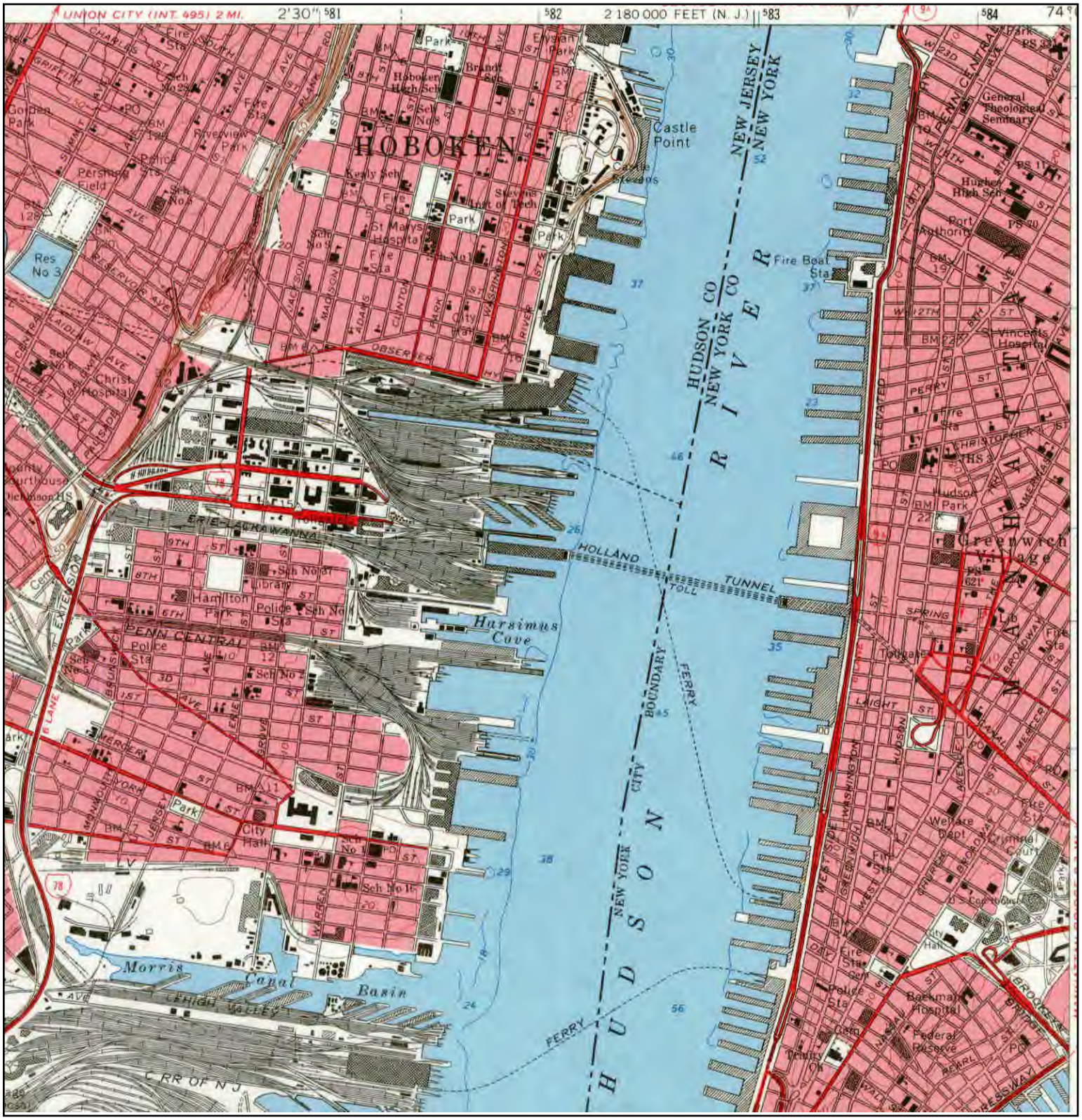
Historical Topographic Map

N	TARGET QUAD NAME: JERSEY CITY MAP YEAR: 1947 SERIES: 7.5 SCALE: 1:25000	SITE NAME: West & Leroy ADDRESS: 355-359 West Street and 156 Leroy Street New York, NY 10014 LAT/LONG: 40.7301 / -74.0102	CLIENT: Langan Engineering, Inc. CONTACT: Gregory Wyka INQUIRY#: 3540659.4 RESEARCH DATE: 03/11/2013

Historical Topographic Map

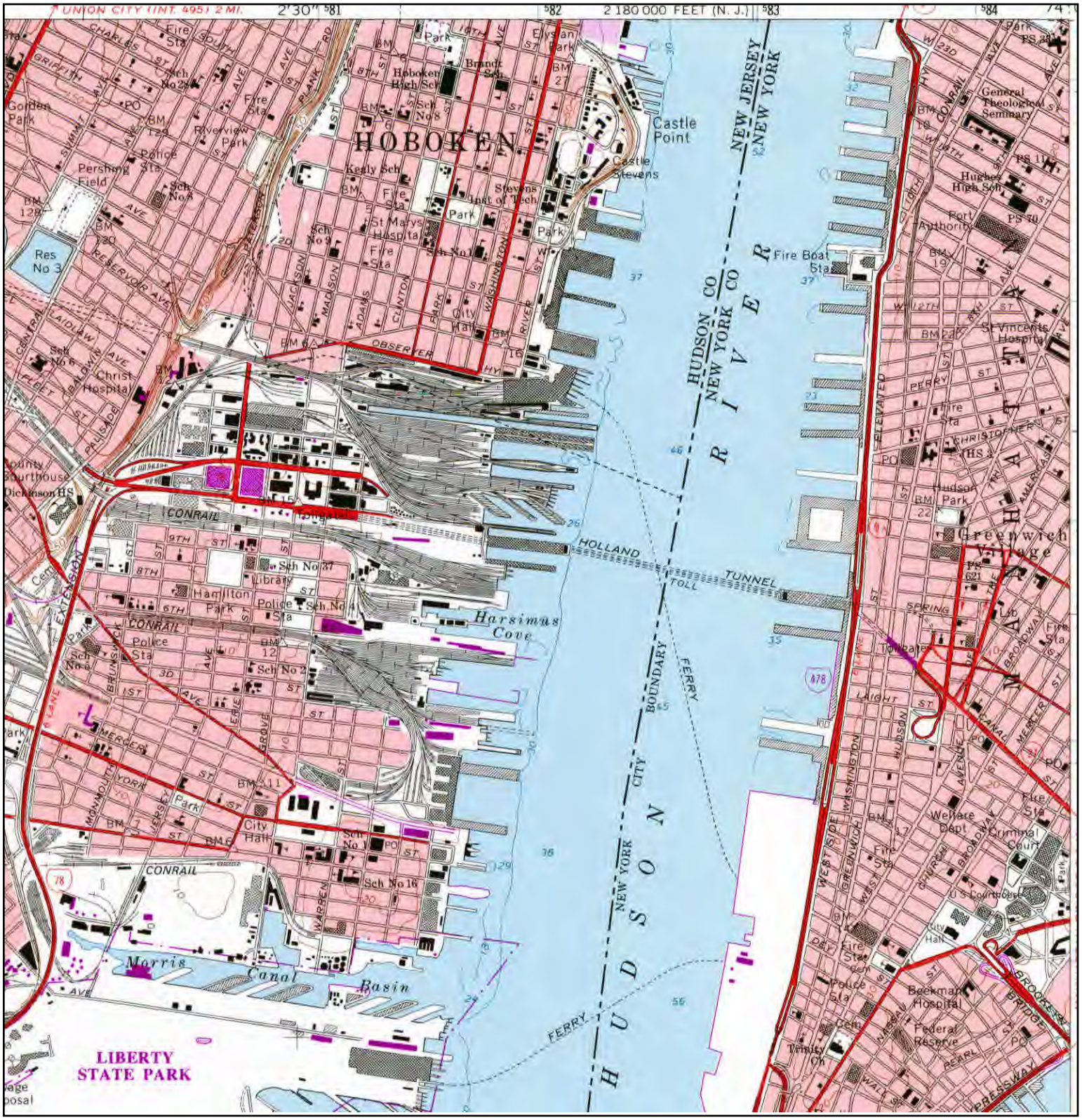
N	TARGET QUAD NAME: JERSEY CITY MAP YEAR: 1955 SERIES: 7.5 SCALE: 1:24000	SITE NAME: West & Leroy ADDRESS: 355-359 West Street and 156 Leroy Street New York, NY 10014 LAT/LONG: 40.7301 / -74.0102	CLIENT: Langan Engineering, Inc. CONTACT: Gregory Wyka INQUIRY#: 3540659.4 RESEARCH DATE: 03/11/2013

Historical Topographic Map



N	TARGET QUAD NAME: JERSEY CITY MAP YEAR: 1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: West & Leroy ADDRESS: 355-359 West Street and 156 Leroy Street New York, NY 10014 LAT/LONG: 40.7301 / -74.0102	CLIENT: Langan Engineering, Inc. CONTACT: Gregory Wyka INQUIRY#: 3540659.4 RESEARCH DATE: 03/11/2013

Historical Topographic Map



N	TARGET QUAD NAME: JERSEY CITY MAP YEAR: 1981 PHOTOREVISED FROM :1967 SERIES: 7.5 SCALE: 1:24000	SITE NAME: West & Leroy ADDRESS: 355-359 West Street and 156 Leroy Street New York, NY 10014 LAT/LONG: 40.7301 / -74.0102	CLIENT: Langan Engineering, Inc. CONTACT: Gregory Wyka INQUIRY#: 3540659.4 RESEARCH DATE: 03/11/2013

APPENDIX K
CITY DIRECTORY ABSTRACT

West & Leroy
355-359 West Street and 156 Leroy Street
New York, NY 10014

Inquiry Number: 3540659.6
March 11, 2013

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2012. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2012	Cole Information Services	-	X	X	-
2007	Cole Information Services	-	X	X	-
2006	Hill-Donnelly Information Services	-	X	X	-
2000	Cole Information Services	-	-	-	-
1998	NYNEX Telephone	-	-	-	-
1996	NYNEX	-	-	-	-
1993	NYNEX Telephone	-	-	-	-
1988	NYNEX Telephone	-	-	-	-
1983	New York Telephone	-	X	X	-
1978	New York Telephone	-	-	-	-
1973	New York Telephone	-	X	X	-
1968	New York Telephone	-	X	X	-
1963	New York Telephone	-	X	X	-
1958	New York Telephone	-	X	X	-
1956	New York Telephone	-	X	X	-
1950	New York Telephone	-	X	X	-
1947	New York Telephone	-	X	X	-
1942	New York Telephone	-	X	X	-
1938	New York Telephone	-	-	-	-
1934	R. L. Polk & Co.	X	-	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	X	-	X	-
1927	New York Telephone	X	X	X	-
1923	R. L. Polk & Co.	X	X	X	-
1920	R. L. Polk & Co.	X	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
152 Leroy Street	Client Entered	
584 Washington Street	Client Entered	X
305 West Street	Client Entered	X
1 Morton Square	Client Entered	
600 Washington Street	Client Entered	X
152 Leroy Street	Client Entered	
584 Washington Street	Client Entered	X
305 West Street	Client Entered	X
1 Morton Square	Client Entered	
600 Washington Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

355-359 West Street and 156 Leroy Street
New York, NY 10014

FINDINGS DETAIL

Target Property research detail.

Leroy St

156 Leroy St

Year	*Uses*	*Source*
1931		Manhattan and Bronx Directory Publishing Company Residential Directory

West St

355 West St

Year	*Uses*	*Source*
1920		R. L. Polk & Co.

357 West St

Year	*Uses*	*Source*
1923		R. L. Polk & Co.

358 West St

Year	*Uses*	*Source*
1934		R. L. Polk & Co.

359 West St

Year	*Uses*	*Source*
1927		New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

MORTON SQ

1 MORTON SQ

Year	Uses	Source
2012	CENTRAL PARKING SYSTEM	Cole Information Services
	JOALIMIN	Cole Information Services
	IAC	Cole Information Services
	CENTRAL PARKING SYSTEM	Cole Information Services
	JOALIMIN	Cole Information Services
	IAC	Cole Information Services
2007	JOALIMIN	Cole Information Services
	JETLINK USA LLC	Cole Information Services
	DI IORIO GROUP	Cole Information Services
	A WAVE BLUE WORLD INC	Cole Information Services
	FENDER DEFENDER LLC	Cole Information Services
	GENEVIEVE MARIE ENTERPRISES LLC	Cole Information Services
	JOALIMIN	Cole Information Services
	JETLINK USA LLC	Cole Information Services
	DI IORIO GROUP	Cole Information Services
	A WAVE BLUE WORLD INC	Cole Information Services
	FENDER DEFENDER LLC	Cole Information Services
	GENEVIEVE MARIE ENTERPRISES LLC	Cole Information Services

WASHINGTON AT LEROY ST

600 WASHINGTON AT LEROY ST

Year	Uses	Source
2007	600 WASHINGTON	Cole Information Services
	600 WASHINGTON	Cole Information Services

WASHINGTON ST

600 WASHINGTON ST

Year	Uses	Source
2012	HERCULES	Cole Information Services
	GOTHAM GYM	Cole Information Services

FINDINGS

Year	Uses	Source
2012	CITY SKY	Cole Information Services
	MORTGAGE EQUICAP LLC	Cole Information Services
	LE DUS	Cole Information Services
	EQUITY RESIDENTIAL	Cole Information Services
	PREMIER RELOCATION SOLUTIONS	Cole Information Services
	HERCULES	Cole Information Services
	GOTHAM GYM	Cole Information Services
	CITY SKY	Cole Information Services
	MORTGAGE EQUICAP LLC	Cole Information Services
	LE DUS	Cole Information Services
	EQUITY RESIDENTIAL	Cole Information Services
	PREMIER RELOCATION SOLUTIONS	Cole Information Services
2007	STEVENSON CAPITAL MGMT LLC	Cole Information Services
	DH DEVELOPMENT GROUP LTD	Cole Information Services
	YOUR LIFESTYLE TECHNOLOGY LLC	Cole Information Services
	BERMUDA ASIA IMPORTS	Cole Information Services
	STEVENSON CAPITAL MGMT LLC	Cole Information Services
	DH DEVELOPMENT GROUP LTD	Cole Information Services
	YOUR LIFESTYLE TECHNOLOGY LLC	Cole Information Services
	BERMUDA ASIA IMPORTS	Cole Information Services
	GIDDEON DAWN & ASSOCS INC	Cole Information Services
	JEAN LUC WINES	Cole Information Services
	NOAH CHEZ INC	Cole Information Services
	GIDDEON DAWN & ASSOCS INC	Cole Information Services
	JEAN LUC WINES	Cole Information Services
	NOAH CHEZ INC	Cole Information Services

Washington Street

584 Washington Street

Year	Uses	Source
1927	MCCOY OWEN	New York Telephone
	Mc Coy Owen	New York Telephone
	MCCOY OWEN	New York Telephone
	Mc Coy Owen	New York Telephone

600 Washington Street

Year	Uses	Source
2006	Zafar Fateen	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2006	Number 313 Hennessey Peter	Hill-Donnelly Information Services
	Number 615 Murphy John	Hill-Donnelly Information Services
	Wetzel Kann	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Washington f	Hill-Donnelly Information Services
	Anrxter Joey	Hill-Donnelly Information Services
	Number 617 Argentieri Marco	Hill-Donnelly Information Services
	Number 503 Battino Joan	Hill-Donnelly Information Services
	Number 422 Bodkin A	Hill-Donnelly Information Services
	Number 518 Boyle C	Hill-Donnelly Information Services
	Number 317 Cerhio Perry	Hill-Donnelly Information Services
	Coman Gavin	Hill-Donnelly Information Services
	Number 712 Cooper Dana E	Hill-Donnelly Information Services
	Number 520 Corbin M	Hill-Donnelly Information Services
	Number 418 Cosloy David	Hill-Donnelly Information Services
	D H Development Group	Hill-Donnelly Information Services
	Number 505 Davis Adam &Cassey	Hill-Donnelly Information Services
	Number 718 Didonato P	Hill-Donnelly Information Services
	Number 723 Fazio Tommy	Hill-Donnelly Information Services
	Fogarty Elizabeth	Hill-Donnelly Information Services
	Fung Terry	Hill-Donnelly Information Services
	Number 721 Gideon D	Hill-Donnelly Information Services
	Number 302 Greene Enn A	Hill-Donnelly Information Services
	Gupta Renu	Hill-Donnelly Information Services
	Number 419 Gutin Dora	Hill-Donnelly Information Services
	Hercules Corp	Hill-Donnelly Information Services
	Number 513 Hovey Susan	Hill-Donnelly Information Services
	Khazzam Robert A	Hill-Donnelly Information Services
	Number 601 Kim John	Hill-Donnelly Information Services
	Koh Jennifer A	Hill-Donnelly Information Services
	Number 322 Kowakcyk Paula	Hill-Donnelly Information Services
	Kwok Michelle A	Hill-Donnelly Information Services
	Number t 619 Lah Ne Robyn	Hill-Donnelly Information Services
	Number 614 Larson J L	Hill-Donnelly Information Services
	Le Dus Wines R	Hill-Donnelly Information Services
	Number 606 Macapagal Dorothy	Hill-Donnelly Information Services
	Number 616 Mccabe Cathy	Hill-Donnelly Information Services
	Number 213 Mdatlen Knstin	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2006	Number 311 Middleton Molly	Hill-Donnelly Information Services
	Mireles Manbei	Hill-Donnelly Information Services
	Murawczyk Rchard	Hill-Donnelly Information Services
	Occhino Marci	Hill-Donnelly Information Services
	Number 502 Oconnor Theodore o	Hill-Donnelly Information Services
	Ostrowsklo N	Hill-Donnelly Information Services
	Pappas Irene 4 I	Hill-Donnelly Information Services
	Number 313 Hennessey Peter	Hill-Donnelly Information Services
	Number 615 Murphy John	Hill-Donnelly Information Services
	Wetzel Kann	Hill-Donnelly Information Services
	Multi Unit Address	Hill-Donnelly Information Services
	Washington f	Hill-Donnelly Information Services
	Anrxter Joey	Hill-Donnelly Information Services
	Number 617 Argentieri Marco	Hill-Donnelly Information Services
	Number 503 Battino Joan	Hill-Donnelly Information Services
	Number 422 Bodkin A	Hill-Donnelly Information Services
	Number 518 Boyle C	Hill-Donnelly Information Services
	Number 317 Cerhio Perry	Hill-Donnelly Information Services
	Coman Gavin	Hill-Donnelly Information Services
	Number 712 Cooper Dana E	Hill-Donnelly Information Services
	Number 520 Corbin M	Hill-Donnelly Information Services
	Number 418 Cosloy David	Hill-Donnelly Information Services
	D H Development Group	Hill-Donnelly Information Services
	Number 505 Davis Adam &Cassey	Hill-Donnelly Information Services
	Number 718 Didonato P	Hill-Donnelly Information Services
	Number 723 Fazio Tommy	Hill-Donnelly Information Services
	Fogarty Elizabeth	Hill-Donnelly Information Services
	Fung Terry	Hill-Donnelly Information Services
	Number 721 Gideon D	Hill-Donnelly Information Services
	Number 302 Greene Enn A	Hill-Donnelly Information Services
	Gupta Renu	Hill-Donnelly Information Services
	Number 419 Gutin Dora	Hill-Donnelly Information Services
	Hercules Corp	Hill-Donnelly Information Services
	Number 513 Hovey Susan	Hill-Donnelly Information Services
	Khazzam Robert A	Hill-Donnelly Information Services
	Number 601 Kim John	Hill-Donnelly Information Services
	Koh Jennifer A	Hill-Donnelly Information Services
	Number 322 Kowakcyk Paula	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2006	Kwok Michelle A	Hill-Donnelly Information Services
	Number t 619 Lah Ne Robyn	Hill-Donnelly Information Services
	Number 614 Larson J L	Hill-Donnelly Information Services
	Le Dus Wines R	Hill-Donnelly Information Services
	Number 606 Macapagal Dorothy	Hill-Donnelly Information Services
	Number 616 Mccabe Cathy	Hill-Donnelly Information Services
	Number 213 Mdatlen Knstin	Hill-Donnelly Information Services
	Number 311 Middleton Molly	Hill-Donnelly Information Services
	Mireles Manbei	Hill-Donnelly Information Services
	Murawczyk Rchard	Hill-Donnelly Information Services
	Occhino Marci	Hill-Donnelly Information Services
	Number 502 Oconnor Theodore o	Hill-Donnelly Information Services
	Ostrowsklo N	Hill-Donnelly Information Services
	Pappas Irene 4 I	Hill-Donnelly Information Services
	Number 211 Price Ryan	Hill-Donnelly Information Services
	Number 603 Puzio Donna	Hill-Donnelly Information Services
	Ranka Manisha	Hill-Donnelly Information Services
	Number 219 Rice Susan	Hill-Donnelly Information Services
	Number 516 Roman David	Hill-Donnelly Information Services
	Rones Ractihel	Hill-Donnelly Information Services
	Rosenberg Jack	Hill-Donnelly Information Services
	Number 620 Silver Joanne	Hill-Donnelly Information Services
	Smith C	Hill-Donnelly Information Services
	Sussman Richard	Hill-Donnelly Information Services
	Virani Rehan	Hill-Donnelly Information Services
	Weiss Jordan A	Hill-Donnelly Information Services
	a 717 Wick Kelly	Hill-Donnelly Information Services
	Number 318 Yeres Mansa	Hill-Donnelly Information Services
	Number 211 Price Ryan	Hill-Donnelly Information Services
	Number 603 Puzio Donna	Hill-Donnelly Information Services
	Ranka Manisha	Hill-Donnelly Information Services
	Number 219 Rice Susan	Hill-Donnelly Information Services
	Number 516 Roman David	Hill-Donnelly Information Services
	Rones Ractihel	Hill-Donnelly Information Services
	Rosenberg Jack	Hill-Donnelly Information Services
	Number 620 Silver Joanne	Hill-Donnelly Information Services
	Smith C	Hill-Donnelly Information Services
	Sussman Richard	Hill-Donnelly Information Services

FINDINGS

Year	Uses	Source
2006	Virani Rehan	Hill-Donnelly Information Services
	Weiss Jordan A	Hill-Donnelly Information Services
	a 717 Wick Kelly	Hill-Donnelly Information Services
	Number 318 Yeres Mansa	Hill-Donnelly Information Services
	Zafar Fateen	Hill-Donnelly Information Services
1983	ELECTRONICS CORP OF AMERICA FIREYE DIVISION	New York Telephone
	ELECTRONICS CORP OF AMERICA FIREYE DIVISION	New York Telephone

West Street

305 West Street

Year	Uses	Source
1973	EZEY 50 CORP	New York Telephone
	EZEY 50 CORP	New York Telephone
1968	DORVAL REALTY CORP	New York Telephone
	DORVAL REALTY CORP	New York Telephone
1963	AVIATION CONCESSIONS INC	New York Telephone
	AVIATION CONCESSIONS INC	New York Telephone
1958	AVIATION COEESSIONS INC PRKNG SPACE	New York Telephone
	GIANOPOULOS PETER B	New York Telephone
	AVIATION COEESSIONS INC PRKNG SPACE	New York Telephone
	GIANOPOULOS PETER B	New York Telephone
1956	AVIATION CONCESSIONS INC PRKNG SPACE	New York Telephone
	GIANOPOULOS PETER B	New York Telephone
	AVIATION CONCESSIONS INC PRKNG SPACE	New York Telephone
	GIANOPOULOS PETER B	New York Telephone
1950	AVIATION CONCESSIONS INC PIKNG SPACE	New York Telephone
	AVIATION CONCESSIONS INC PIKNG SPACE	New York Telephone
1947	AVIATION CONCESSIONS INC PRKNG SPACE	New York Telephone
	AVIATION CONCESSIONS INC PRKNG SPACE	New York Telephone
1942	NEW WEST SIDE PARKING TERM	New York Telephone
	NEW WEST SIDE PARKING TERM	New York Telephone
1927	Vinal Jos brdg house	New York Telephone

FINDINGS

Year	Uses	Source
1927	VINAL JOS BRDG HOUSE	New York Telephone
	Vinal Jos brdg house	New York Telephone
	VINAL JOS BRDG HOUSE	New York Telephone
1923	Dacko Carl cafe	R. L. Polk & Co.
	Dacko Carl cafe	R. L. Polk & Co.
1920	Strahl Harry sal	R. L. Polk & Co.
	Strahl Harry sal	R. L. Polk & Co.

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
355-359 West Street and 156 Leroy Street	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
1 MORTON SQ	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
1 MORTON SQ	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
1 Morton Square	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
1 Morton Square	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
152 Leroy Street	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
152 Leroy Street	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
305 West Street	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1938, 1934, 1931
305 West Street	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1938, 1934, 1931
584 Washington Street	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
584 Washington Street	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
600 WASHINGTON AT LEROY ST	2012, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
600 WASHINGTON AT LEROY ST	2012, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
600 WASHINGTON ST	2012, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
600 WASHINGTON ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
600 WASHINGTON ST	2012, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
600 WASHINGTON ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
600 Washington Street	2012, 2007, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
600 Washington Street	2012, 2007, 2000, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

West & Leroy
355-359 West Street and 156 Leroy Street
New York, NY 10014

Inquiry Number: 3545657.1
March 15, 2013

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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Executive Summary

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City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2012. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2012	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2007	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2006	Hill-Donnelly Information Services	-	X	X	-
	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
1998	NYNEX Telephone	-	X	X	-
	NYNEX Telephone	X	X	X	-
1996	NYNEX	-	-	-	-
1993	NYNEX Telephone	-	X	X	-
	NYNEX Telephone	X	X	X	-
1988	NYNEX Telephone	-	X	X	-
	NYNEX Telephone	X	X	X	-
1983	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1978	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1973	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1968	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1963	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1958	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1956	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1950	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1947	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1942	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1938	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1934	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	X	X	-
	Manhattan and Bronx Directory Publishing Company Residential Directory	X	X	X	-
1927	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1923	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1920	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	***Type***	***Findings***
354 West Street	Client Entered	X
356 West Street	Client Entered	X
75 Clarkson Street	Client Entered	X
360 West Street	Client Entered	X
361 West Street	Client Entered	X
160 Leroy Street	Client Entered	X
161 Leroy Street	Client Entered	X
162 Leroy Street	Client Entered	X
157 Leroy Street	Client Entered	X
158 Leroy Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

355-359 West Street and 156 Leroy Street
New York, NY 10014

FINDINGS DETAIL

Target Property research detail.

CLARKSON ST

75 CLARKSON ST

Year	*Uses*	*Source*
2012	ALL DAY LOCKSMITH	Cole Information Services
	THE WESTWAY	Cole Information Services

Clarkson Street

75 Clarkson Street

Year	*Uses*	*Source*
2006	Carousel Cafe Inc 2 R	Hill-Donnelly Information Services
2000	CAROUSEL CAFE INC	Cole Information Services
1998	CAROUSEL CAFE INC	NYNEX Telephone
	ROCK HARD SOCIAL INC	NYNEX Telephone
1988	SUPER CITY MEATS INC	NYNEX Telephone
1983	SUPER CITY MEATS INC J	New York Telephone
1973	SUPER CITY MEATS INC	New York Telephone
1942	VINAL JOS BDG HOUSE	New York Telephone
1938	VINAL JOS BDG HOUSE	New York Telephone
1934	Vinul Jose furn rms	R. L. Polk & Co.
1927	FONGAROLI JENNIE	New York Telephone
1923	International Hotel Hy Goldberger	R. L. Polk & Co.
	Middle Europe Travel Bureau RTN Hy Goldberger	R. L. Polk & Co.
1920	Goldberger Hy prop International Hotel ss agt	R. L. Polk & Co.
	Goldberger Jesse L	R. L. Polk & Co.
	International Hotel H Goldberger prop	R. L. Polk & Co.

FINDINGS

LEROY ST

160 LEROY ST

Year	Uses	Source
2012	VILLAGE AUTO	Cole Information Services
	VILLAGE TWENTY FOUR HOUR AUTOMOBILE	Cole Information Services

161 LEROY ST

Year	Uses	Source
2012	AUTO CLUB ROAD SERVICE	Cole Information Services

Leroy Street

158 Leroy Street

Year	Uses	Source
1950	ANTONIELLO C JUNK	New York Telephone
1927	Branch	New York Telephone
	Nelson Fred O Co Inc	New York Telephone

160 Leroy Street

Year	Uses	Source
2006	Two Guys General Auto Repair	Hill-Donnelly Information Services
	Village Mart Co is	Hill-Donnelly Information Services
2000	TWO GUYS LUBE INC	Cole Information Services
1998	GLOBAL LUMBER INC	NYNEX Telephone
	TWO GUYS GENL AUTO REPR INC	NYNEX Telephone
1993	TWO GUYS GENL AUTO REPR INC	NYNEX Telephone
1958	BROOKS TRANSFER & STORAGE CO ING	New York Telephone
	BROOKS TRANSPTN CO INC	New York Telephone
	BROOKS WAREHOUSE CORP	New York Telephone
1956	BROOKS TRANSFER & ST0AGE CO INC	New York Telephone
	BROOKS TRANSPTN CO INC	New York Telephone
	BROOKS WAREHOUSE CORP	New York Telephone
1950	BROOKS TRANSFER & STORAGE CO INC	New York Telephone
	BROOKS TRANSPTN CO INC	New York Telephone
	BROOKS WAREHOUSE CORP	New York Telephone
1947	BROOKS TRANSFER & STORAGE CO INC	New York Telephone
	BROOKS TRANSPTN CO INC	New York Telephone
	UNITED VAN LINES INC	New York Telephone
1942	BROOKS TRANSFER &STORAGE CO INC	New York Telephone

FINDINGS

Year	Uses	Source
1942	BROOKS TRANSPTN CO INC	New York Telephone
	BROOKS WAREHOUSE CORP	New York Telephone
1927	Pittsburgh White Metal Co	New York Telephone
1923	American Lead Co Pittsburgh Pa Harold Roberts treas & rep	R. L. Polk & Co.
	Pittsburgh White Metal Co Pa Marion C Rinehart pres Edw E Rinehart jr v p Frank J Murphy sec Harold Roberts treas	R. L. Polk & Co.
1920	Pittsburg White Metal Co Pa Marion C Rinehart Pittsburg pres Edw E Rinehart jr v p Francis J Murphy sec Harold Roberts treas	R. L. Polk & Co.
	Rinehart Edw E v p Pittsburgh White Metal Co	R. L. Polk & Co.

161 Leroy Street

Year	Uses	Source
2006	Auto Club Road Svc	Hill-Donnelly Information Services
1934	Biglin B Inc Robt J Fox pres Frank J Market v pres treas Wm H Dixon sec exp and mov	R. L. Polk & Co.
	Dixon Wm H sec B Biglin Inc	R. L. Polk & Co.
	Goldsmith Jack NY rep Yonkers Standard Express Co Inc	R. L. Polk & Co.

162 Leroy Street

Year	Uses	Source
2006	M D Carlisle Construction	Hill-Donnelly Information Services
1927	LOWY D & CO SCRAP IRON	New York Telephone
1923	Leroy Salvage Co Inc NY Abr Starobin pres Jacob Gewirtz treas machy	R. L. Polk & Co.
	Starobin Iron Supply Co RTN Abr Starobin scrap metals	R. L. Polk & Co.
	Starobin Jos pres Starobin Electrical Supply Co Inc h Mt Vernon NY	R. L. Polk & Co.
1920	American Supply Co RTN Wm Jacobus	R. L. Polk & Co.
	Coastwise Longshoremens Union Local 895	R. L. Polk & Co.
	Jacobus Wm Am Supply Co auction	R. L. Polk & Co.
	SALVAGE DISPOSAL CORPNY Wm Jacobus Pres Treas Abr Starobin Sec Dealers in Metals and Auctioneers	R. L. Polk & Co.

FINDINGS

WEST ST

354 WEST ST

Year	Uses	Source
2012	WESTWORLD VIDEO DVD	Cole Information Services
2007	WEST WORLD VIDEO	Cole Information Services

356 WEST ST

Year	Uses	Source
2012	1 AUTO GLASS INC	Cole Information Services
	NYC TOWING INC	Cole Information Services
	VILLAGE TWENTY FOUR HOUR AUTOMOBILE	Cole Information Services
2007	ALLSTATE CAPITAL GROUP LLC	Cole Information Services
	CYPLEX SOLUTIONS INC	Cole Information Services
	LEVY BARAK	Cole Information Services
	NYC TOWING INC	Cole Information Services
	ORCHARD CONSULTING	Cole Information Services

West Street

354 West Street

Year	Uses	Source
2006	West World Video is	Hill-Donnelly Information Services
2000	CIN VIDEO	Cole Information Services
1998	CIN VIDEO	NYNEX Telephone
1978	LUBIN HOLLAND CAFE INC	New York Telephone
1973	LUBIN HOLLAND CAFE INC	New York Telephone
1968	LUBIN HOLLAND CAFE INC	New York Telephone
1963	WESTCLARK TAVERN	New York Telephone
1958	WESTCLARK TAVERN	New York Telephone
1956	WESTCLARK TAVERN	New York Telephone
1950	WESTCLARK TAVERN	New York Telephone
1947	WESTCLARK TAVERN	New York Telephone
1942	WESTCLARK TAVERN INC	New York Telephone
1938	WESTCLARK TAVERN	New York Telephone
1934	Clarksburg Grill N Carl Woerfel	R. L. Polk & Co.
1927	Woerfel Bros restrnt	New York Telephone
1923	Woerfel Bros Carl & Hy restr	R. L. Polk & Co.
1920	Woerfel Bros Carl & Hy restr	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1920	Woerfel Carl Woerfel Bros	R. L. Polk & Co.

356 West Street

Year	Uses	Source
2006	1 Auto Glass Inc 1 R	Hill-Donnelly Information Services
	Allstate Towing 1 s	Hill-Donnelly Information Services
	Number One Auto Glass Inc	Hill-Donnelly Information Services
	Village 24 Hour Auto Detail	Hill-Donnelly Information Services
2000	1 HOUR AT GLS INC	Cole Information Services
	CYPLEX SLTNS INC	Cole Information Services
	WSTSD AT TCHNLGS	Cole Information Services
1998	1 HOUR AUTO GLASS INC	NYNEX Telephone
1973	GUS & BENNY AUTO REPRS INC	New York Telephone
1968	J & F BODY & FENDERTKS INC	New York Telephone
1950	SOMERS N B	New York Telephone
	UNITED TRANSPTN CO OF R I	New York Telephone
1947	MOSHASUCK TRANSPTN CO	New York Telephone
1938	BROMSEN H HABRDSHR	New York Telephone
1934	Robinson Walter	R. L. Polk & Co.
	Robinson Waltet Walter Robinson Marine Tailors	R. L. Polk & Co.
	Waksian Nashan Sanitary Barber Shop	R. L. Polk & Co.
1931	CULKIN EDW	Manhattan and Bronx Directory Publishing Company Residential Directory
	Edwards Loretta	Manhattan and Bronx Directory Publishing Company Residential Directory
	LUCAS ANNA	Manhattan and Bronx Directory Publishing Company Residential Directory
	Lucas Michl	Manhattan and Bronx Directory Publishing Company Residential Directory
	Mc Cauley Mary	Manhattan and Bronx Directory Publishing Company Residential Directory
	Mc Donald Ellen	Manhattan and Bronx Directory Publishing Company Residential Directory
	MCCAULEY MARY	Manhattan and Bronx Directory Publishing Company Residential Directory
	MCDONALD ELLEN	Manhattan and Bronx Directory Publishing Company Residential Directory
	MILLS HARRY L	Manhattan and Bronx Directory Publishing Company Residential Directory
	Murphy Lillian	Manhattan and Bronx Directory Publishing Company Residential Directory
1923	Katz Harry tailor	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1920	Donnell Simon	R. L. Polk & Co.
	Downing Philips	R. L. Polk & Co.
	Jenkins Albert E clk	R. L. Polk & Co.
	Katz Harry tailor	R. L. Polk & Co.
	Spedale Jos barber	R. L. Polk & Co.
	Wade Francis	R. L. Polk & Co.
	Wade Jos	R. L. Polk & Co.

360 West Street

Year	Uses	Source
1923	Bedford Lunch RTN Wm Gurtman	R. L. Polk & Co.
1920	Bedford Lunch RTN Wm M Gurtman	R. L. Polk & Co.

361 West Street

Year	Uses	Source
1934	Gertz M Mrs pres N Y & Providence Transportation Co Inc	R. L. Polk & Co.
	New York & Providence Transportation Co Inc Mrs M Gertz pres	R. L. Polk & Co.
1923	Economy Lunch RTN Nicholas E Tuntos	R. L. Polk & Co.
1920	Schochetman Bros Morris & Saml restr	R. L. Polk & Co.
	Schochetman Morris Schochetman Bros	R. L. Polk & Co.
	Schochetman Saml Schochetman Bros	R. L. Polk & Co.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

CLARKSON WASHINGTON ST

75 CLARKSON WASHINGTON ST

Year	Uses	Source
2007	CAROUSEL CAFE INC	Cole Information Services

Leroy Street

157 Leroy Street

Year	Uses	Source
1934	Modern Tranfer Co RTN Allentown Pa Fred W Lange mgr	R. L. Polk & Co.
	Virginia Motor Express Co Richmond Va Radolph P Harrison mgr	R. L. Polk & Co.

WEST

317 WEST

Year	Uses	Source
1963	WEINBERG JOS B	New York Telephone
1958	STERN LILLIE M MRS	New York Telephone
	BERG SAM SEAMEN S SUPLS	New York Telephone
1956	BERG SAM SEAMENS SUPLS	New York Telephone
1950	SIMON E M SEAMEN S SUPLS	New York Telephone
1947	SIMON E M SEAMEN S SUPLS	New York Telephone
1942	SIMON E M SEAMEN S SUPLS	New York Telephone
1938	FRANKFURT H GENT FURNSHS	New York Telephone
1927	DOUGLASS GEO LUMBER	New York Telephone
	Douglass Geo lumber	New York Telephone
1923	Douglass Chas Inc NY Geo A Douglass pres Norman DeF Douglass sec Roland Douglass treas lumber	R. L. Polk & Co.
	Douglass Geo lumber	R. L. Polk & Co.
1920	Douglass Co Inc NY Geo A Douglass pres Norman De F Douglass sec lumber	R. L. Polk & Co.

FINDINGS

318 WEST

Year	Uses	Source
1963	LUBINS BAR & GRILL	New York Telephone
1958	LUBIN S BAR & GRILL	New York Telephone
1956	LUBIN S BAR & GRILL	New York Telephone
1950	LUBINS BAR & GRIL	New York Telephone
1947	LUBIN S BAR & GRILL	New York Telephone
1942	LLIBIN S BAR & GRILL	New York Telephone
1927	Mc Guire Jas lunch room	New York Telephone
	MCGUIRE JAS LUNCH ROOM	New York Telephone

319 WEST

Year	Uses	Source
1927	MOSCOSO LOUIS RESTRNT	New York Telephone
	Moscoso Louis restrnt	New York Telephone
1920	Miller Hy inspr	R. L. Polk & Co.
	Breur Wm	R. L. Polk & Co.
	Berwind Albert	R. L. Polk & Co.

320 WEST

Year	Uses	Source
1927	Four Brothers Overall Co	New York Telephone
	FOUR BROTHERS OVERALL CO	New York Telephone
1923	Cohn Jacques seamens supplies	R. L. Polk & Co.
1920	Cohn Jacques variety	R. L. Polk & Co.

321 WEST

Year	Uses	Source
1920	McGee Jno lab	R. L. Polk & Co.

322 WEST

Year	Uses	Source
1927	CHARLTON HOUSE	New York Telephone
	Charlton House	New York Telephone
1923	Quickert & Levy Robt Owckert Julius Levy lodgings	R. L. Polk & Co.
	Quickert Robt Quickrt & Leay	R. L. Polk & Co.
1920	Quickert & Levy Robt Quickert A J Levy lodgings	R. L. Polk & Co.
	Quickert Robt Quickert & Levy	R. L. Polk & Co.
	Levy Abr J Quickert & Levy	R. L. Polk & Co.

FINDINGS

323 WEST

Year	Uses	Source
1927	Frankfurt H gnts furn	New York Telephone
	FRANKFURT H GNTS FURN	New York Telephone
1920	Frankfurt Harry mens furngs	R. L. Polk & Co.

324 WEST

Year	Uses	Source
1920	Katz Hy restr	R. L. Polk & Co.

326 WEST

Year	Uses	Source
1973	LIEBMAN L N	New York Telephone
1927	HERMAR GARAGE INC	New York Telephone
	Hermar Garage Inc	New York Telephone
1920	Sofield Wm D sec treas Alex Frazer Co h W Haven Conn	R. L. Polk & Co.
	Sofield S B Co Inc N Y Steph B Sofield pres Edna Egan sec truckmn	R. L. Polk & Co.

327 WEST

Year	Uses	Source
1920	Rosenberg Elias slsmn	R. L. Polk & Co.
	Rosenberg Jos sal	R. L. Polk & Co.

328 WEST

Year	Uses	Source
1923	McGrath P J & Son Patk J McGrath shoers	R. L. Polk & Co.
1920	McGrath Patk J & Son Patk J shoers	R. L. Polk & Co.

329 WEST

Year	Uses	Source
1920	Murphy Christopher blksmlth	R. L. Polk & Co.

330 WEST

Year	Uses	Source
1983	SUPER MART BOOKS	New York Telephone
	REYNOLDS OFFSET CO INC	New York Telephone
	REYNOLDS LITHOGRAPHING CORP	New York Telephone
	Ace Envelope Mfg Corp	New York Telephone
	Exclusive Envelope Corp	New York Telephone

FINDINGS

Year	Uses	Source
1983	Exclusive Retail Media Inc	New York Telephone
	Reynolds Lithographing Corp	New York Telephone
	Reynolds Offset Co Inc	New York Telephone
	Super MART BOOKS	New York Telephone
	ACE ENVELOPE MFG CORP	New York Telephone
	EXCLUSIVE ENVELOPE CORP	New York Telephone
	EXCLUSIVE RETAIL MEDIA INC	New York Telephone
1978	ACE ENVELOPE MFG CORP	New York Telephone
	BRONX MEMO PRINTING	New York Telephone
	EXCLUSIVE ENVELOPE CORP	New York Telephone
	EXCLUSIVE RETAIL MEDIA INC	New York Telephone
	QUALITY STANDARDS CORP	New York Telephone
	REYNOLDS LITHOGRAPHING CORP	New York Telephone
	REYNOLDS OFFSET CO INC	New York Telephone
1973	ACE ENVELOPE MFG CORP	New York Telephone
	BEDFORD LITHOGRAPHING CORP	New York Telephone
	EXCLUSIVE ENVELOPE CORP	New York Telephone
	EXCLUSIVE RETAIL MEDIA INC	New York Telephone
	REYNOLDS LITHOGRAPHING CORP	New York Telephone
	REYNOLDS OFFSET COLNC	New York Telephone
	WEST ST WAREHOUSING CORP WRHSES	New York Telephone
1968	ACE ENVELOPE MFG CORP	New York Telephone
	EXCLUSIVE ENVELOPE CARP	New York Telephone
	MORGAN MANHATN STORAGE CO INC	New York Telephone
	REYNOLDS OFFSET CO INC	New York Telephone
	WEST ST WAREHOUSING CORP WRHSES	New York Telephone
1963	CUSTOM STORAGE WARELISE COINC	New York Telephone
	EXCLUSIVE ENVELOPE CO	New York Telephone
	ST JOHN S TERMNL RENTNG OFFICE	New York Telephone
1958	LIBBY MC NEILL & LIBBY FOODS PRODS	New York Telephone
1956	LIBBY MC NEILL & LIBBY FOODS PRODS	New York Telephone
1950	LIBBY MC NEIL & LIBBY FOODS PRODS	New York Telephone
1947	LIBBY MC NEILL & LIBBY INC FOOD PRODS	New York Telephone
	WILSON & ROGERS INC	New York Telephone
1942	WILSCN &ROGERS INC	New York Telephone

FINDINGS

Year	Uses	Source
1942	LIBBY MCNELLL & LIBBY INC FOOD PRODS	New York Telephone
1938	VAN NAME D LL PRES	New York Telephone
1931	O BRIEN JOHN J W	Manhattan and Bronx Directory Publishing Company Residential Directory
1923	Eorrol Michal Cafe	R. L. Polk & Co.
1920	Kennedy Eug sal	R. L. Polk & Co.

331 WEST

Year	Uses	Source
1927	SOUTHERN MOLASSES CO	New York Telephone
	BROWN CHAS F MOLASSES	New York Telephone
	Brown Chas F molasses	New York Telephone
	Southern Molasses Co	New York Telephone
1923	Olsen Arth F Southern Molasses Co	R. L. Polk & Co.
	Southern Mc asses Co RTN Chas F Brown Arth F Olsen & Chas Lefferts Brown	R. L. Polk & Co.
1920	Hudson Mfg Co E Orange NJ molasses Chas P Brown mgr	R. L. Polk & Co.

333 WEST

Year	Uses	Source
1927	Simon D genl mdse	New York Telephone
	SIMON D GENL MDSE	New York Telephone
1920	New York Clothing Bazar RTN David & Saml Simon	R. L. Polk & Co.
	Simon David N Y Clothing Bazaar	R. L. Polk & Co.

334 WEST

Year	Uses	Source
1973	KELLER BAR	New York Telephone
1923	Russell Thos hotel	R. L. Polk & Co.

337 WEST

Year	Uses	Source
1931	WATSON BERNARD CHAUF D P W HOUSTON	Manhattan and Bronx Directory Publishing Company Residential Directory

340 WEST

Year	Uses	Source
1988	ST JOHNS BLDG	NYNEX Telephone
1983	St Johes Bldg	New York Telephone

FINDINGS

Year	Uses	Source
1983	MANHATTAN INTERIOR SUPL CORP	New York Telephone
	NORLAND INTERNATIONAL	New York Telephone
	ST JOHES BLDG	New York Telephone
1978	ST JOHNS BLDG	New York Telephone
1973	BACHMANN JULTAN INC TEXTIL REFLDG	New York Telephone
	LORSON ELECTRIC CONTRACTORS CORP	New York Telephone
	ST JOHNS PK FREIGHT TERMNI	New York Telephone
	SHANNON BROTHERS INC TRUKMN	New York Telephone
1968	COMPITELLO BROS TRAKNG	New York Telephone
	ROBACO WAREHSE INC	New York Telephone
	ST JOHNS PK FREIGHT TERNSNL	New York Telephone
	SHANNON BROTHERS INC TRUKMN	New York Telephone
1963	COMPITELLO BROS TRUKNG	New York Telephone
	ST JOHN S PK FREIGHT TERMNL	New York Telephone
	SHANNON BROTHERS INC TRUKMN	New York Telephone
	STANDARD CONTAINER CO INC	New York Telephone
1958	BAUMERT F X & CO INC CHSES	New York Telephone
	BORDEN CO THE MILK PRODS	New York Telephone
	BORDEN CO THE MILK PRODS	New York Telephone
	LAKESHIRE-MARTY CO DIV OF THE BORDEN CO	New York Telephone
	SHANNON BROTHERS INC TRKMN	New York Telephone
	UNIVERSAL CARLOADINB & DISTRIBUTO CO INC	New York Telephone
	UNIVERSAL CARLOADINB & DISTRIBUTO CO INC	New York Telephone
1956	BAUMERT F X & CO INC CHSES	New York Telephone
	BAUMERT F X & CO INC CHSES	New York Telephone
	BORDEN CO THE MILK PRODS	New York Telephone
	BORDEN CO THE MILK PRODS	New York Telephone
	LAKESHIRE MARTY CO DIV OF THE BORDEN CO	New York Telephone
	SHANNON BROTHERS INC TRUKMN	New York Telephone
	UNIVERSAL CARLOADING & DISTRIBUTG CO INC	New York Telephone
	UNIVERSAL CARLOADING & DISTRIBUTG CO INC	New York Telephone
1950	BAUMERT F X & CO INC CHSES	New York Telephone
	BORDE CO THE MILK PRODS	New York Telephone

FINDINGS

Year	Uses	Source
1950	BORDE CO THE MILK PRODS	New York Telephone
	LAKESHIREMARTY CO DIV OF THE BORUEN CO	New York Telephone
	SHANNON BROTHERS INC TRUKMN	New York Telephone
	UNIVERSAL CARL0DING & DISTRIBUTG CO INC	New York Telephone
	UNIVERSAL CARL0DING & DISTRIBUTG CO INC	New York Telephone
1947	BAUMERT F X & CO INC CHSES	New York Telephone
	BORDEN CO THE MILK PRODS	New York Telephone
	BORDEN CO THE MILK PRODS	New York Telephone
	LAKESHIRE-MARTY CO DIV OF THE BORDEN CO	New York Telephone
	OVERLAND PCKGE FREIGHT SVCE INC	New York Telephone
	SHANNON BROTHERS INC TRUKMN	New York Telephone
	UNIVERSAL CARLOADING & DISTRIBUTG CO INC	New York Telephone
1942	BAUMERT F X & CO INC CHSES	New York Telephone
	BORDEN CO THE MILK PRODS-	New York Telephone
	BORDEN CO THE MILK PRODS-	New York Telephone
	BORDEN CO THE MILK PRODS-	New York Telephone
	BORDEN CO THE MILK PRODS-	New York Telephone
	LAKESHIRE-MARTY CO DIV OF THE BORDEN CO	New York Telephone
	OVERLAND PCKGE FREIGHT SVCE INC-	New York Telephone
	OVERLAND PCKGE FREIGHT SVCE INC-	New York Telephone
	SHANNON BROTHERS INC TRUKMN	New York Telephone
	UNIVERSAL CARLOADING &DISTRIBUTG CO INC-	New York Telephone
	UNIVERSAL CARLOADING &DISTRIBUTG CO INC-	New York Telephone
1938	BALLARD MOTOR SVCE INC	New York Telephone
	OVERLAND PCKGE FREIGHT SVCE INC	New York Telephone
	OVERLAND PCKGE FREIGHT SVCE INC	New York Telephone
	SHANNON BROS INC TRUCKMN	New York Telephone
	UNIVERSAL CARLOADING & DISTRIBUTG CO INC	New York Telephone
	UNIVERSAL CARLOADING & DISTRIBUTG CO INC	New York Telephone

FINDINGS

341 WEST

Year	Uses	Source
1920	Carvan Jno auto mech P O	R. L. Polk & Co.

342 WEST

Year	Uses	Source
1927	DOHERTY M J HOTEL	New York Telephone
	Doherty M J hotel	New York Telephone
1923	Doherty Michl J hotel	R. L. Polk & Co.
1920	Doherty Michl J hotel	R. L. Polk & Co.

344 WEST

Year	Uses	Source
1931	FROUSTET JOS F ELEY OP P B M W	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Kelly & Buck Inc	New York Telephone
	Kelly & Buck Inc trckmn	New York Telephone
	Wanner Jos rstrnt	New York Telephone
	KELLY & BUCK INC TRCKMN	New York Telephone
	KELLY & BUCK INC	New York Telephone
	WANNER JOS RSTRNT	New York Telephone
1923	Stenglein Jas Crescent Brass & Copper Co	R. L. Polk & Co.
	Langfelt & Enny Inc N Y Michl J Langfelt pres Scrafino Michelini sec Graver C Enny treas cartage	R. L. Polk & Co.
	Busch Augusta M Creacent Brass & Copper co	R. L. Polk & Co.
	Crescent Brass & Copper Co RTN Augusta M Busch Jos Stenglein	R. L. Polk & Co.
1920	Colonial Lunch RTN Saml Scharf	R. L. Polk & Co.
	Langfelt & Enny Inc NY Fredk J Langfelt pres Grover C Enny treas Serafino Michelinl sec truckman	R. L. Polk & Co.

WEST AVE

340 WEST AVE

Year	Uses	Source
1973	ROBACO WAREHSE INC	New York Telephone
1968	BACHMANN JULIAN INC TEXTL REFLDG	New York Telephone

FINDINGS

WEST ST

320 WEST ST

Year	Uses	Source
2006	Brown Joyce F	Hill-Donnelly Information Services

329 WEST ST

Year	Uses	Source
2006	Raswant Rahul VA	Hill-Donnelly Information Services

330 WEST ST

Year	Uses	Source
2012	I P C INFORMATION	Cole Information Services
	BLOOMBERG	Cole Information Services
2006	Reynolds Web Offset Litho LTD	Hill-Donnelly Information Services
	Bloomberg V	Hill-Donnelly Information Services
2000	ISS INTRNTL SVC	Cole Information Services

340 WEST ST

Year	Uses	Source
2012	ST JOHNS BUILDING	Cole Information Services
2007	SAINT JOHNS CENTER	Cole Information Services
	HOME EXPRESSIONS	Cole Information Services
2006	St Johns Building F	Hill-Donnelly Information Services
2000	ST JOHNS BLDG	Cole Information Services
	ISS INTRNTL SVC	Cole Information Services
1998	ST JOHNS BLDG	NYNEX Telephone
1993	ST JOHN S BLDG	NYNEX Telephone

343 WEST ST

Year	Uses	Source
2012	CENTRAL PARKING SYSTEM	Cole Information Services

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
355-359 West Street and 156 Leroy Street	1996

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
157 Leroy Street	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927, 1923, 1920
317 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1934, 1931
318 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1938, 1934, 1931, 1923, 1920
319 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923
320 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931
320 WEST ST	2012, 2007, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
321 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
322 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931
323 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923
324 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
326 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923
327 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
328 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927
329 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
329 WEST ST	2012, 2007, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
330 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1934, 1927
330 WEST ST	2012, 2007, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
330 WEST ST	2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
331 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931
333 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923
334 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1920
337 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
340 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1934, 1931, 1927, 1923, 1920
340 WEST AVE	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
340 WEST ST	2012, 2007, 1996, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
340 WEST ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
341 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
342 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931
343 WEST ST	2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
344 WEST	2012, 2007, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934
75 CLARKSON WASHINGTON ST	2012, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

APPENDIX L
ENVIRONMENTAL LIEN SEARCH

355-359 West Street and 156 Leroy Street

355-359 West Street and 156 Leroy Street
New York, NY 10014

Inquiry Number: 3540659.7
March 20, 2013

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

355-359 West Street and 156 Leroy Street
355-359 West Street and 156 Leroy Street
New York, NY 10014

RESEARCH SOURCE

Source 1:

New York NYC Register
New York, NY

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Deed
Title is vested in:	Bergnat Realties Assoc.
Title received from:	Bergnat Realties Inc.
Deed Dated	1/2/1980
Deed Recorded:	1/31/1980
Book:	512
Page:	853
Volume:	NA
Instrument:	NA
Docket:	NA
Land Record Comments:	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	Bergnat Realties Assoc.
Parcel # / Property Identifier:	Blk. 601 / Lot 1
Comments:	See Exhibit

Deed 2:

Type of Deed:	Deed
Title is vested in:	APMM Leroy LLC
Title received from:	See Exhibit
Deed Dated	7/30/2007
Deed Recorded:	9/24/2007
Book:	NA
Page:	NA
Volume:	NA
Instrument:	2007080701981001
Docket:	NA
Land Record Comments:	

	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	APMM Leroy LLC
Parcel # / Property Identifier:	Blk. 601 / Lot 10, Blk. 601 / Lot 4, Blk. 601 / Lot 8
Comments:	See Exhibit

Deed 3:

Type of Deed:	Deed
Title is vested in:	358 West LLC
Title received from:	Tinwill Realty Corp.
Deed Dated	5/29/1997
Deed Recorded:	8/6/1997
Book:	2483
Page:	739
Volume:	NA
Instrument:	NA
Docket:	NA
Land Record Comments:	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	358 West LLC
Parcel # / Property Identifier:	Blk. 601 / lot 5
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

Deed Exhibit 1

Standard N.Y.B.T.U. Form 8003 • 10-77-15M— Warranty Deed With Full Covenants – Individual or Corporation (Single Sheet) 512 853

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.

601/1

THIS INDENTURE, made the 2 day of January, nineteen hundred and Eighty

BETWEEN BERGNAT REALTIES, INC., a domestic corporation maintaining an office at 122 East 42nd Street, New York, New York

party of the first part, and BERGNAT REALTY ASSOCIATES, a limited partnership, maintaining an office at 122 East 42nd Street, New York, New York

party of the second part,

WITNESSETH, that the party of the first part, in consideration of ten dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough of Manhattan, City, County and State of New York, bounded and described as follows:

BLANKET DESCRIPTION

BEGINNING at the corner formed by the intersection of the easterly side of West Street with the northerly side of Clarkson Street; running thence easterly along the northerly side of Clarkson Street 106 feet 7 3/4 inches:

thence northerly at right angles to the northerly side of Clarkson Street and through a party wall 75 feet 1/2 inches:

thence westerly along a line forming an angle of 92°-53'-30" on its northerly side with the easterly side of West Street 110 feet 5 5/8 inches to the easterly side of West Street:

thence southerly along the easterly side of West Street 75 feet 1 inch to the northerly side of Clarkson Street the point or place of beginning.

TAX MAP DESIGNATION

Dist.

Sec.

Blk.

Lot(s):

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

AND the party of the first part covenants as follows: that said party of the first part is seized of the said premises in fee simple, and has good right to convey the same; that the party of the second part shall quietly enjoy the said premises; that the said premises are free from incumbrances, except as aforesaid; that the party of the first part will execute or procure any further necessary assurance of the title to said premises; and that said party of the first part will forever warrant the title to said premises.

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

BERGNAT REALTIES, INC.

By: _____
President

STATE OF NEW YORK, COUNTY OF ss:

On the day of 19 , before me personally came

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF ss:

On the day of 19 , before me personally came

FILE 512 PG 854

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF New York ss:

On the 29 day of January, 1980, before me personally came SAMUEL G. WEINBERG to me known, who, being by me duly sworn, did depose and say that he resides at No. 220 East 72nd Street New York, New York ; that he is the President of BERGNAT REALTIES, INC. , the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that he signed his name thereto by like order.

Notary

SHELDON SCHWARTZ
Notary Public, State of New York
No. 44-3557825
Qualified in Rockland County
Commission Expires March 30, 1981

STATE OF NEW YORK, COUNTY OF ss:

On the day of 19 , before me personally came

the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides at No. ;

that he knows to be the individual described in and who executed the foregoing instrument; that he, said subscribing witness, was present and saw execute the same; and that he, said witness, at the same time subscribed his name as witness thereto.

Warranty Deed
WITH FULL COVENANTS

TITLE NO.

BERGNAT REALTIES, INC.

TO

BERGNAT REALTY ASSOCIATES

SECTION 2
BLOCK 601
LOT 1
COUNTY OR TOWN New York
TAX BILLING ADDRESS
122 East 42nd Street
New York, New York

Recorded At Request of The Title Guarantee Company
RETURN BY MAIL TO:

SHELDON SCHWARTZ, P.C.
295 Madison Avenue
New York, New York

Zip No. 10017

STANDARD FORM OF NEW YORK BOARD OF TITLE UNDERWRITERS
Distributed by
TITLE GUARANTEE-NEW YORK
A TICOR COMPANY

RESERVE THIS SPACE FOR USE OF RECORDING OFFICE

SHELDON SCHWARTZ
LOT

01794 DEC JAN 31 PM 12: 37

JAY E.
ACTING CITY REGISTER

S 3652

$ REAL ESTATE
JAN
TRANSFER TAX
NEW YORK COUNTY

R 661

Deed Exhibit 2

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2007080701981001001E8C85

RECORDING AND ENDORSEMENT COVER PAGE

Document ID: 2007080701981001 Document Date: 07-30-2007 Preparation Date: 08-07-2007
Document Type: DEED
Document Page Count: 6

PRESENTER:
FIRST AMERICAN TITLE INSURANCE- PICK UP
633 THIRD AVENUE
3008-187005 SH
NEW YORK, NY 10017
212-850-0670
CQUARTARARO@FIRSTAM.COM

RETURN TO:
STROOCK & STROOCK & LAVAN LLP
180 MAIDEN LANE
NEW YORK, NY 10038
Atten; Karen Scanna, Esq.,

PROPERTY DATA

Borough	Block	Lot	Unit	Address
MANHATTAN	601	4	Entire Lot	357 WEST STREET

Property Type: COMMERCIAL REAL ESTATE

Borough	Block	Lot	Unit	Address
MANHATTAN	601	8	Entire Lot	359 WEST STREET

Property Type: COMMERCIAL REAL ESTATE

x Additional Properties on Continuation Page

CROSS REFERENCE DATA

CRFN_____ *or* Document ID_____ *or* _____ Year____ Reel ___ Page ____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
357 WEST LLC
C/O OLYMPIC DIAMOND, 580 FIFTH AVENUE
NEW YORK, NY 10036

x Additional Parties Listed on Continuation Page

GRANTEE/BUYER:
APMM LEROY LLC
C/O PETER MOORE ASSOCIATES, INC. 515 CANAL STREET
NEW YORK, NY 10013

FEES AND TAXES

Mortgage		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	73.00
Affidavit Fee:	$	0.00

Filing Fee:	$	165.00
NYC Real Property Transfer Tax:	$	892,500.00
NYS Real Estate Transfer Tax:	$	136,000.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK

Recorded/Filed 09-24-2007 09:28
City Register File No.(CRFN):
2007000487095

City Register Official Signature

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2007080701981001001C8E05

Document ID: 2007080701981001 Document Date: 07-30-2007 Preparation Date: 08-07-2007
Document Type: DEED

PROPERTY DATA

Borough	Block	Lot	Unit	Address
MANHATTAN	601	10	Entire Lot	156 LEROY STREET

Property Type: COMMERCIAL REAL ESTATE

PARTIES

GRANTOR/SELLER:
156 LEROY LLC
C/O OLYMPIC DIAMOND, 580 FIFTH AVENUE
NEW YORK, NY 10036

GRANTOR/SELLER:
WESTSIDE VIEWS, LLC
C/O OLYMPIC DIAMOND, 580 FIFTH AVENUE
NEW YORK, NY 10036

3008-187005
Block 601
Lot 4, 8 & 10
County of New York.

First American Title Insurance Company of New York
633 Third Avenue
New York, New York 10017
T - (212) 922-9700
F - (212) 922-0881

(6)

BARGAIN AND SALE DEED, WITH COVENANTS AGAINST GRANTOR'S ACTS

THIS INDENTURE, made the as of 30 th day of July, 2007

BETWEEN 357 West, LLC, a New York Limited Liability Company, Westside Views, LLC, a Delaware Limited Liability Company and 156 Leroy LLC, a New York Limited Liability Company, all having an address for business at c/o Olympic Diamond, 580 Fifth Avenue, New York, New York 10036.

collectively party of the first part, and

APMM Leroy LLC, a Delaware limited liability company having an address for business at c/o Peter Moore Associates, Inc., 515 Canal Street, New York, New York 10013, Attn: Peter Moore

party of the second part,

WITNESSETH, that the party of the first part, in consideration of ten dollars and other good and valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

357 West, LLC granting and releasing all that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being more fully described in Schedule "A1" annexed hereto,

BEING and intended to be the same premises conveyed to **357 West, LLC** described in that certain deed dated January 23, 2006 and recorded on February 17, 2006 in CRFN# 2006000096041,

Westside Views, LLC granting and releasing all that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being more fully described in Schedule "A2" annexed hereto,

BEING and intended to be the same premises conveyed to **Westside Views LLC** described in that certain deed dated February 28, 2001 and recorded on March 16, 2001 in Reel 3253 Page 751,

156 Leroy LLC granting and releasing all that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being more fully described in Schedule "A3" annexed hereto,

BEING and intended to be the same premises conveyed to **156 Leroy LLC** described in that certain deed dated January 23, 2006 and recorded on February 17, 2006 in CRFN# 2006000096040,

TOGETHER with all right, title and interest, if any, of the party of the first part, in and to any streets and roads abutting the above described premises to the center lines thereof; **TOGETHER** with the appurtenances and all the estate and rights of the party of the first part in and to said

premises; **TO HAVE AND TO HOLD** the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

This conveyance is made in the ordinary course of business conducted by the party of the first part

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

In Presence Of:

357 West, LLC

_____ By: NISSAN PERLA

Westside Views, LLC

_____ By: NISSAN PERLA

156 Leroy LLC

_____ By: NISSAN PERLA

STATE OF NEW YORK)
) ss.:
COUNTY OF New York)

On the 26th day of July in the year 2007, before me, the undersigned, a notary public in and for said state, personally appeared NISSAN PERLA, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public

SEAL

STEPHEN N. TURK
Notary Public, State of New York
No. 31-4925722
Qualified in New York County
Commission Expires March 7, 2008

STATE OF NEW YORK)
) ss.:
COUNTY OF New York)

On the 26th day of July in the year 2007, before me, the undersigned, a notary public in and for said state, personally appeared NISSAN PERLA, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public

SEAL

STEPHEN N. TURK
Notary Public, State of New York
No. 31-4925722
Qualified in New York County
Commission Expires March 7, 2008

STATE OF NEW YORK)
) ss.:
COUNTY OF New York)

On the 26 day of July in the year 2007, before me, the undersigned, a notary public in and for said state, personally appeared NISSAN PERLA, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public

SEAL

STEPHEN N. TURK
Notary Public, State of New York
No. 31-4925722
Qualified in New York County
Commission Expires March 7, 2008

Recording Information:

Block: 601
Lot(s): 4, 8 & 10
County: New York

Record And Return To:

Stroock & Stroock & Lavan LLP
180 Maiden Lane
New York, New York 10038
Attn: Karen Scanna, Esq.

"Schedule A1"

LEGAL DESCRIPTION

(BLOCK 601 LOT 4)

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH OF MANHATTAN, COUNTY, CITY AND STATE OF NEW YORK, KNOWN AS LOT 127 ON "MAP OF LAND BELONGING TO THE CHILDREN OF MRS. D. LANGHON" MADE BY GARDENER A. SAGE, C.S. APRIL 1854 AND FILED IN THE REGISTER'S OFFICE, NEW YORK COUNTY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE EASTERLY SIDE OF WEST STREET DISTANT 100 FEET 1 INCH SOUTHERLY FROM THE CORNER FORMED BY THE INTERSECTION OF THE EASTERLY SIDE OF WEST STREET AND THE SOUTHERLY SIDE OF LEROY STREET;

RUNNING THENCE EASTERLY PARTLY ALONG THE REAR LINE OF LOTS 118 AND 117, 111 FEET 9 INCHES TO A POINT;

THENCE SOUTHERLY 25 FEET TO THE SOUTHERLY SIDE OF LOT 127;

THENCE WESTERLY ALONG THE SOUTHERLY SIDE OF LOT 127, 110 FEET 5 5/8 INCHES TO THE EASTERLY SIDE OF WEST STREET;

THENCE NORTHERLY ALONG THE EASTERLY SIDE OF WEST STREET 25 FEET 1/4 INCHES TO THE POINT OR PLACE OF BEGINNING.

"Schedule A2"

LEGAL DESCRIPTION

(BLOCK 601, LOT 8)

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH OF MANHATTAN, COUNTY, CITY, AND STATE OF NEW YORK MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEASTERLY CORNER OF LEROY AND WEST STREETS; AND

RUNNING THENCE SOUTHERLY ALONG THE EAST SIDE OF WEST STREET, 75 FEET 3/4 OF AN INCH;

THENCE EASTERLY ON A LINE PARALLEL TO LEROY STREET, OR NEARLY SO AND ALONG THE NORTH LINE OF LOT NUMBER 128 ON "MAP OF LANDS BELONGING TO THE CHILDREN OF MRS. D. LANGDON, NEW YORK, APRIL 1854, GARDENIER A. SAGE, C.S. FILED IN THE OFFICE OF THE REGISTER OF NEW YORK COUNTY, JANUARY 24, 1855, AS MAP NO. 551", 98 FEET 6 3/4 INCHES;

THENCE AGAIN SOUTHERLY ALONG THE REAR OF THE LAST MENTIONED LOT, 25 FEET;

THENCE AGAIN EASTERLY, 25 FEET;

THENCE NORTHERLY ALONG THE WEST LINE OF LOT NUMBER 117 ON SAID MAP, 100 FEET TO THE SOUTHERLY SIDE OF LEROY STREET; AND

THENCE WESTERLY ALONG THE SOUTHERLY SIDE OF LEROY STREET, 126 FEET TO THE SOUTHEASTERLY CORNER OF LEROY AND WEST STREETS, THE POINT OR PLACE OF BEGINNING,

"Schedule A3"

LEGAL DESCRIPTION

(BLOCK 601, LOT 10

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH OF MANHATTAN, CITY AND COUNTY OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE SOUTHERLY SIDE OF LEROY STREET DISTANT 125 FEET 0-3/4 INCHES WESTERLY FROM THE CORNER FORMED BY THE INTERSECTION OF THE SOUTHERLY SIDE OF LEROY STREET AND THE WESTERLY SIDE OF WASHINGTON STREET;

RUNNING THENCE SOUTHERLY ON A LINE WHICH ON THE EASTERLY SIDE FORMS AN ANGLE OF 88° 57' 40" WITH THE SOUTHERLY SIDE OF LEROY STREET, 100 FEET;

THENCE WESTERLY ON A LINE WHICH FORMS AN INTERIOR ANGLE WITH THE LAST MENTIONED LINE OF 91° 2' 20" 48 FEET 7-1/4 INCHES;

THENCE NORTHERLY ON A LINE WHICH FORMS AN ANGLE ON THE EASTERLY SIDE WITH THE SOUTHERLY SIDE OF LEROY STREET OF 88° 11' 20", 100 FEET 1/2 OF AN INCH (DEED) 100 FEET (ACTUAL) TO THE SOUTHERLY SIDE OF LEROY STREET;

THENCE EASTERLY ALONG THE SOUTHERLY SIDE OF LEROY STREET, 49 FEET 11-1/2 INCHES TO THE POINT OR PLACE OF BEGINNING.

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2007080701981001001S4204

SUPPORTING DOCUMENT COVER PAGE

Document ID: 2007080701981001 Document Date: 07-30-2007 Preparation Date: 08-07-2007
Document Type: DEED

ASSOCIATED TAX FORM ID: 2007072400125

SUPPORTING DOCUMENTS SUBMITTED:

	Page Count
DEP CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING	4
RP - 5217 REAL PROPERTY TRANSFER REPORT	2

FOR CITY USE ONLY

C1. County Code ____ C2. Date Deed Recorded ___ / ___ / ___ (Month Day Year)

C3. Book ____ C4. Page ____

OR

C5. CRFN ____

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

(Rev 11/2002)

PROPERTY INFORMATION

1. Property Location: 357 (STREET NUMBER) WEST STREET (STREET NAME) MANHATTAN (BOROUGH) 10014 (ZIP CODE)

2. Buyer Name: APMM LEROY LLC (LAST NAME / COMPANY) (FIRST NAME)

(LAST NAME / COMPANY) (FIRST NAME)

3. Tax Billing Address: Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form) (LAST NAME / COMPANY) (FIRST NAME)

(STREET NUMBER AND STREET NAME) (CITY OR TOWN) (STATE) (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 3 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC
4B. Agricultural District Notice - N/A for NYC

5. Deed Property Size: ____ (FRONT FEET) X ____ (DEPTH) OR ____ (ACRES)

Check the boxes below as they apply:
6. Ownership Type is Condominium ☐
7. New Construction on Vacant Land ☐

8. Seller Name: 357 WEST LLC (LAST NAME / COMPANY) (FIRST NAME)

156 LEROY LLC (LAST NAME / COMPANY) (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential
B ☐ 2 or 3 Family Residential
C ☐ Residential Vacant Land
D ☐ Non-Residential Vacant Land
E ☑ Commercial
F ☐ Apartment
G ☐ Entertainment / Amusement
H ☐ Community Service
I ☐ Industrial
J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date: 4 / 27 / 2007 (Month Day Year)

11. Date of Sale / Transfer: 7 / 30 / 2007 (Month Day Year)

12. Full Sale Price $ 3,400,000,000

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale: ____

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
B ☐ Sale Between Related Companies or Partners in Business
C ☐ One of the Buyers is also a Seller
D ☐ Buyer or Seller is Government Agency or Lending Institution
E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
G ☐ Significant Change in Property Between Taxable Status and Sale Dates
H ☐ Sale of Business is Included in Sale Price
I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
J ☑ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: K1

16. Total Assessed Value (of all parcels in transfer): 1,173,000

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

MANHATTAN 601 4 | MANHATTAN 601 8 | MANHATTAN 601 10

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

BUYER SIGNATURE: [signature] DATE: 7/30/07

c/o PETERMOORE ASSOC. INC
515 CANAL ST
STREET NUMBER: 515 STREET NAME (AFTER SALE): CANAL ST

CITY OR TOWN: NYC STATE: NY ZIP CODE: 10013

BUYER'S ATTORNEY

LAST NAME: ____ FIRST NAME: ____

AREA CODE: 212 TELEPHONE NUMBER: 806-6010

SELLER

SELLER SIGNATURE: [signature] DATE: 7/30/07

2007072400125201

CERTIFICATION	I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.		
	BUYER		**BUYER'S ATTORNEY**
BUYER SIGNATURE	DATE	LAST NAME	FIRST NAME
		212	806-6010
STREET NUMBER	STREET NAME (AFTER SALE)	AREA CODE	TELEPHONE NUMBER
			SELLER
CITY OR TOWN	STATE / ZIP CODE	SELLER SIGNATURE	DATE 7/30/07

2007072400125201

ATTACHMENT

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

www.nyc.gov/dep

Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

(1) Property receiving service is located in the Borough of **MANHATTAN**
Block: **601** Lot: **10**

(2) Account Number (if applicable):
Meter Number (if available–include the letter):

(3) Street Address of Property Receiving Service:
Street **156 LEROY STREET** City **NY** State **NY** Zip **10014**

(4) Full name, mailing address, home phone and business phone numbers of owner of property receiving service: (please provide information on owner ONLY; do NOT give information on property manager or tenant):
Owner's Name Business: **APMM LEROY LLC**
or Individual:
(Last Name) (First Name) (MI)
Street **C/O PETER MOORE ASSOCIATES, INC. 515 CANAL STREET** City **NEW YORK** State **NY** Zip **10013**
Home Phone(Numbers only): Business Phone(Numbers only):

Customer Billing Information:

PLEASE NOTE:

A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges.

B. Water and sewer charges constitute a lien on the property until paid. In addition to legal action against the owner, a failure to pay such charges when due may result in foreclosure of the lien by the City of New York, or the property being placed in a lien sale by the City.

C. Original bills for water and/or sewer service will be mailed to the owner, at the owner's address specified on this form. DEP will provide a duplicate copy of bills to one other party (such as a managing agent) if so requested below, provided, however, that any failure or delay by DEP in providing duplicate copies of bills shall in no way relieve the owner from his/her/its liability to pay all outstanding water and sewer charges.

(5) If you would like a duplicate copy of bills sent to another party, please check here ☐ and fill out the following information:
Name of Party to Receive Duplicate Copies of Bills:

(6) Mailing Address: Street City State Zip

(7) Relationship to Owner (check one): Managing Agent ☐ Mortgagee ☐
Tenant ☐ Other (please explain):

Owner's Approval

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A, B, C under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/her/its knowledge.

(8) E-mail:

(9) Name of Owner:

(10) Signature: _____

Name and Title of Person Signing for Owner, if applicable:

Date(mm/dd/yyyy): 7 / 30 / 07

BCS-7CRF Rev. 05/2003

200707240012510103

ATTACHMENT

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

www.nyc.gov/dep

Customer Registration Form for Water and Sewer Billing

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Date(mm/dd/yyyy): 7/30/07

BCS-7CRF Rev. 05/2003

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(9) Name of Owner:

(10) Signature:
Name and Title ~~of Person Signing for Owner, if applicable~~:
Date(mm/dd/yyyy): 7 / 30 / 07

BCS-7CRF Rev. 05/2003

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Tenant ☐ Other (please explain):

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(9) Name of Owner:

(10) Signature:
Name and Title of Person Signing for Owner, if applicable:
Date(mm/dd/yyyy): 7 / 30 / 07

BCS-7CRF Rev. 05/2003

200707240012510103

Deed Exhibit 3

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.

2007080701981001001E8C85

RECORDING AND ENDORSEMENT COVER PAGE

Document ID: 2007080701981001 Document Date: 07-30-2007 Preparation Date: 08-07-2007
Document Type: DEED
Document Page Count: 6

PRESENTER:
FIRST AMERICAN TITLE INSURANCE- PICK UP
633 THIRD AVENUE
3008-187005 SH
NEW YORK, NY 10017
212-850-0670
CQUARTARARO@FIRSTAM.COM

RETURN TO:
STROOCK & STROOCK & LAVAN LLP
180 MAIDEN LANE
NEW YORK, NY 10038
Atten; Karen Scanna, Esq.,

PROPERTY DATA

Borough	Block	Lot	Unit	Address
MANHATTAN	601	4	Entire Lot	357 WEST STREET

Property Type: COMMERCIAL REAL ESTATE

Borough	Block	Lot	Unit	Address
MANHATTAN	601	8	Entire Lot	359 WEST STREET

Property Type: COMMERCIAL REAL ESTATE

x Additional Properties on Continuation Page

CROSS REFERENCE DATA

CRFN_____ *or* Document ID_____ *or* _____ Year____ Reel ___ Page ____ *or* File Number_____

PARTIES

GRANTOR/SELLER:
357 WEST LLC
C/O OLYMPIC DIAMOND, 580 FIFTH AVENUE
NEW YORK, NY 10036

x Additional Parties Listed on Continuation Page

GRANTEE/BUYER:
APMM LEROY LLC
C/O PETER MOORE ASSOCIATES, INC. 515 CANAL STREET
NEW YORK, NY 10013

FEES AND TAXES

Mortgage		
Mortgage Amount:	$	0.00
Taxable Mortgage Amount:	$	0.00
Exemption:		
TAXES: County (Basic):	$	0.00
City (Additional):	$	0.00
Spec (Additional):	$	0.00
TASF:	$	0.00
MTA:	$	0.00
NYCTA:	$	0.00
Additional MRT:	$	0.00
TOTAL:	$	0.00
Recording Fee:	$	73.00
Affidavit Fee:	$	0.00

Filing Fee:	$	165.00
NYC Real Property Transfer Tax:	$	892,500.00
NYS Real Estate Transfer Tax:	$	136,000.00

RECORDED OR FILED IN THE OFFICE OF THE CITY REGISTER OF THE CITY OF NEW YORK

Recorded/Filed 09-24-2007 09:28
City Register File No.(CRFN):
2007000487095

City Register Official Signature

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2007080701981001001C8E05

Document ID: 2007080701981001 Document Date: 07-30-2007 Preparation Date: 08-07-2007
Document Type: DEED

PROPERTY DATA

Borough	Block	Lot	Unit	Address
MANHATTAN	601	10	Entire Lot	156 LEROY STREET

Property Type: COMMERCIAL REAL ESTATE

PARTIES

GRANTOR/SELLER:
156 LEROY LLC
C/O OLYMPIC DIAMOND, 580 FIFTH AVENUE
NEW YORK, NY 10036

GRANTOR/SELLER:
WESTSIDE VIEWS, LLC
C/O OLYMPIC DIAMOND, 580 FIFTH AVENUE
NEW YORK, NY 10036

3008-187005
Block 601
Lot 4, 8 & 10
County of New York.

First American Title Insurance Company of New York
633 Third Avenue
New York, New York 10017
T - (212) 922-9700
F - (212) 922-0881

(6)

BARGAIN AND SALE DEED, WITH COVENANTS AGAINST GRANTOR'S ACTS

THIS INDENTURE, made the as of 30 th day of July, 2007

BETWEEN 357 West, LLC, a New York Limited Liability Company, Westside Views, LLC, a Delaware Limited Liability Company and 156 Leroy LLC, a New York Limited Liability Company, all having an address for business at c/o Olympic Diamond, 580 Fifth Avenue, New York, New York 10036.

collectively party of the first part, and

APMM Leroy LLC, a Delaware limited liability company having an address for business at c/o Peter Moore Associates, Inc., 515 Canal Street, New York, New York 10013, Attn: Peter Moore

party of the second part,

WITNESSETH, that the party of the first part, in consideration of ten dollars and other good and valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever,

357 West, LLC granting and releasing all that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being more fully described in Schedule "A1" annexed hereto,

BEING and intended to be the same premises conveyed to **357 West, LLC** described in that certain deed dated January 23, 2006 and recorded on February 17, 2006 in CRFN# 2006000096041,

Westside Views, LLC granting and releasing all that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being more fully described in Schedule "A2" annexed hereto,

BEING and intended to be the same premises conveyed to **Westside Views LLC** described in that certain deed dated February 28, 2001 and recorded on March 16, 2001 in Reel 3253 Page 751,

156 Leroy LLC granting and releasing all that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being more fully described in Schedule "A3" annexed hereto,

BEING and intended to be the same premises conveyed to **156 Leroy LLC** described in that certain deed dated January 23, 2006 and recorded on February 17, 2006 in CRFN# 2006000096040,

TOGETHER with all right, title and interest, if any, of the party of the first part, in and to any streets and roads abutting the above described premises to the center lines thereof; **TOGETHER** with the appurtenances and all the estate and rights of the party of the first part in and to said

premises; **TO HAVE AND TO HOLD** the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid.

AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

This conveyance is made in the ordinary course of business conducted by the party of the first part

The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

In Presence Of:

357 West, LLC

_____ By: NISSAN PERLA

Westside Views, LLC

_____ By: NISSAN PERLA

156 Leroy LLC

_____ By: NISSAN PERLA

STATE OF NEW YORK)
) ss.:
COUNTY OF New York)

On the 26th day of July in the year 2007, before me, the undersigned, a notary public in and for said state, personally appeared NISSAN PERLA, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public

SEAL

STEPHEN N. TURK
Notary Public, State of New York
No. 31-4925722
Qualified in New York County
Commission Expires March 7, 2008

STATE OF NEW YORK)
) ss.:
COUNTY OF New York)

On the 26th day of July in the year 2007, before me, the undersigned, a notary public in and for said state, personally appeared NISSAN PERLA, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

Notary Public

SEAL

STEPHEN N. TURK
Notary Public, State of New York
No. 31-4925722
Qualified in New York County
Commission Expires March 7, 2008

STATE OF NEW YORK)
) ss.:
COUNTY OF New York)

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Notary Public

SEAL

STEPHEN N. TURK
Notary Public, State of New York
No. 31-4925722
Qualified in New York County
Commission Expires March 7, 2008

Recording Information:

Block: 601
Lot(s): 4, 8 & 10
County: New York

Record And Return To:

Stroock & Stroock & Lavan LLP
180 Maiden Lane
New York, New York 10038
Attn: Karen Scanna, Esq.

"Schedule A1"

LEGAL DESCRIPTION

(BLOCK 601 LOT 4)

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH OF MANHATTAN, COUNTY, CITY AND STATE OF NEW YORK, KNOWN AS LOT 127 ON "MAP OF LAND BELONGING TO THE CHILDREN OF MRS. D. LANGHON" MADE BY GARDENER A. SAGE, C.S. APRIL 1854 AND FILED IN THE REGISTER'S OFFICE, NEW YORK COUNTY BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE EASTERLY SIDE OF WEST STREET DISTANT 100 FEET 1 INCH SOUTHERLY FROM THE CORNER FORMED BY THE INTERSECTION OF THE EASTERLY SIDE OF WEST STREET AND THE SOUTHERLY SIDE OF LEROY STREET;

RUNNING THENCE EASTERLY PARTLY ALONG THE REAR LINE OF LOTS 118 AND 117, 111 FEET 9 INCHES TO A POINT;

THENCE SOUTHERLY 25 FEET TO THE SOUTHERLY SIDE OF LOT 127;

THENCE WESTERLY ALONG THE SOUTHERLY SIDE OF LOT 127, 110 FEET 5 5/8 INCHES TO THE EASTERLY SIDE OF WEST STREET;

THENCE NORTHERLY ALONG THE EASTERLY SIDE OF WEST STREET 25 FEET 1/4 INCHES TO THE POINT OR PLACE OF BEGINNING.

"Schedule A2"

LEGAL DESCRIPTION

(BLOCK 601, LOT 8)

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH OF MANHATTAN, COUNTY, CITY, AND STATE OF NEW YORK MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEASTERLY CORNER OF LEROY AND WEST STREETS; AND

RUNNING THENCE SOUTHERLY ALONG THE EAST SIDE OF WEST STREET, 75 FEET 3/4 OF AN INCH;

THENCE EASTERLY ON A LINE PARALLEL TO LEROY STREET, OR NEARLY SO AND ALONG THE NORTH LINE OF LOT NUMBER 128 ON "MAP OF LANDS BELONGING TO THE CHILDREN OF MRS. D. LANGDON, NEW YORK, APRIL 1854, GARDENIER A. SAGE, C.S. FILED IN THE OFFICE OF THE REGISTER OF NEW YORK COUNTY, JANUARY 24, 1855, AS MAP NO. 551", 98 FEET 6 3/4 INCHES;

THENCE AGAIN SOUTHERLY ALONG THE REAR OF THE LAST MENTIONED LOT, 25 FEET;

THENCE AGAIN EASTERLY, 25 FEET;

THENCE NORTHERLY ALONG THE WEST LINE OF LOT NUMBER 117 ON SAID MAP, 100 FEET TO THE SOUTHERLY SIDE OF LEROY STREET; AND

THENCE WESTERLY ALONG THE SOUTHERLY SIDE OF LEROY STREET, 126 FEET TO THE SOUTHEASTERLY CORNER OF LEROY AND WEST STREETS, THE POINT OR PLACE OF BEGINNING,

"Schedule A3"

LEGAL DESCRIPTION

(BLOCK 601, LOT 10

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH OF MANHATTAN, CITY AND COUNTY OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE SOUTHERLY SIDE OF LEROY STREET DISTANT 125 FEET 0-3/4 INCHES WESTERLY FROM THE CORNER FORMED BY THE INTERSECTION OF THE SOUTHERLY SIDE OF LEROY STREET AND THE WESTERLY SIDE OF WASHINGTON STREET;

RUNNING THENCE SOUTHERLY ON A LINE WHICH ON THE EASTERLY SIDE FORMS AN ANGLE OF 88° 57' 40" WITH THE SOUTHERLY SIDE OF LEROY STREET, 100 FEET;

THENCE WESTERLY ON A LINE WHICH FORMS AN INTERIOR ANGLE WITH THE LAST MENTIONED LINE OF 91° 2' 20" 48 FEET 7-1/4 INCHES;

THENCE NORTHERLY ON A LINE WHICH FORMS AN ANGLE ON THE EASTERLY SIDE WITH THE SOUTHERLY SIDE OF LEROY STREET OF 88° 11' 20", 100 FEET 1/2 OF AN INCH (DEED) 100 FEET (ACTUAL) TO THE SOUTHERLY SIDE OF LEROY STREET;

THENCE EASTERLY ALONG THE SOUTHERLY SIDE OF LEROY STREET, 49 FEET 11-1/2 INCHES TO THE POINT OR PLACE OF BEGINNING.

NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER

2007080701981001001S4204

SUPPORTING DOCUMENT COVER PAGE

Document ID: 2007080701981001 Document Date: 07-30-2007 Preparation Date: 08-07-2007
Document Type: DEED

ASSOCIATED TAX FORM ID: 2007072400125

SUPPORTING DOCUMENTS SUBMITTED:

	Page Count
DEP CUSTOMER REGISTRATION FORM FOR WATER AND SEWER BILLING	4
RP - 5217 REAL PROPERTY TRANSFER REPORT	2

FOR CITY USE ONLY

C1. County Code ____ C2. Date Deed Recorded ___ / ___ / ___ (Month Day Year)

C3. Book ____ C4. Page ____

OR

C5. CRFN ____

REAL PROPERTY TRANSFER REPORT

STATE OF NEW YORK
STATE BOARD OF REAL PROPERTY SERVICES

RP - 5217NYC

(Rev 11/2002)

PROPERTY INFORMATION

1. Property Location: 357 (STREET NUMBER) WEST STREET (STREET NAME) MANHATTAN (BOROUGH) 10014 (ZIP CODE)

2. Buyer Name: APMM LEROY LLC (LAST NAME / COMPANY) (FIRST NAME)

(LAST NAME / COMPANY) (FIRST NAME)

3. Tax Billing Address: Indicate where future Tax Bills are to be sent if other than buyer address (at bottom of form) (LAST NAME / COMPANY) (FIRST NAME)

(STREET NUMBER AND STREET NAME) (CITY OR TOWN) (STATE) (ZIP CODE)

4. Indicate the number of Assessment Roll parcels transferred on the deed: 3 # of Parcels OR ☐ Part of a Parcel

4A. Planning Board Approval - N/A for NYC
4B. Agricultural District Notice - N/A for NYC

5. Deed Property Size: ____ (FRONT FEET) X ____ (DEPTH) OR ____ (ACRES)

Check the boxes below as they apply:
6. Ownership Type is Condominium ☐
7. New Construction on Vacant Land ☐

8. Seller Name: 357 WEST LLC (LAST NAME / COMPANY) (FIRST NAME)

156 LEROY LLC (LAST NAME / COMPANY) (FIRST NAME)

9. Check the box below which most accurately describes the use of the property at the time of sale:

A ☐ One Family Residential
B ☐ 2 or 3 Family Residential
C ☐ Residential Vacant Land
D ☐ Non-Residential Vacant Land
E ☑ Commercial
F ☐ Apartment
G ☐ Entertainment / Amusement
H ☐ Community Service
I ☐ Industrial
J ☐ Public Service

SALE INFORMATION

10. Sale Contract Date: 4 / 27 / 2007 (Month Day Year)

11. Date of Sale / Transfer: 7 / 30 / 2007 (Month Day Year)

12. Full Sale Price $ 3,400,000,000

(Full Sale Price is the total amount paid for the property including personal property. This payment may be in the form of cash, other property or goods, or the assumption of mortgages or other obligations.) *Please round to the nearest whole dollar amount.*

13. Indicate the value of personal property included in the sale: ____

14. Check one or more of these conditions as applicable to transfer:

A ☐ Sale Between Relatives or Former Relatives
B ☐ Sale Between Related Companies or Partners in Business
C ☐ One of the Buyers is also a Seller
D ☐ Buyer or Seller is Government Agency or Lending Institution
E ☐ Deed Type not Warranty or Bargain and Sale (Specify Below)
F ☐ Sale of Fractional or Less than Fee Interest (Specify Below)
G ☐ Significant Change in Property Between Taxable Status and Sale Dates
H ☐ Sale of Business is Included in Sale Price
I ☐ Other Unusual Factors Affecting Sale Price (Specify Below)
J ☑ None

ASSESSMENT INFORMATION - Data should reflect the latest Final Assessment Roll and Tax Bill

15. Building Class: K1

16. Total Assessed Value (of all parcels in transfer): 1,173,000

17. Borough, Block and Lot / Roll Identifier(s) (If more than three, attach sheet with additional identifier(s))

MANHATTAN 601 4 | MANHATTAN 601 8 | MANHATTAN 601 10

CERTIFICATION

I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and I understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.

BUYER

BUYER SIGNATURE: [signature] DATE: 7/30/07

c/o PETERMOORE ASSOC. INC
515 CANAL ST
STREET NUMBER: 515 STREET NAME (AFTER SALE): CANAL ST

CITY OR TOWN: NYC STATE: NY ZIP CODE: 10013

BUYER'S ATTORNEY

LAST NAME: ____ FIRST NAME: ____

AREA CODE: 212 TELEPHONE NUMBER: 806-6010

SELLER

SELLER SIGNATURE: [signature] DATE: 7/30/07

2007072400125201

CERTIFICATION	I certify that all of the items of information entered on this form are true and correct (to the best of my knowledge and belief) and understand that the making of any willful false statement of material fact herein will subject me to the provisions of the penal law relative to the making and filing of false instruments.		
	BUYER		**BUYER'S ATTORNEY**
BUYER SIGNATURE	DATE	LAST NAME	FIRST NAME
		212	806-6010
STREET NUMBER	STREET NAME (AFTER SALE)	AREA CODE	TELEPHONE NUMBER
			SELLER
CITY OR TOWN	STATE / ZIP CODE	SELLER SIGNATURE	DATE 7/30/07

2007072400125201

ATTACHMENT

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

www.nyc.gov/dep

Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

(1) Property receiving service is located in the Borough of **MANHATTAN**
Block: **601** Lot: **10**

(2) Account Number (if applicable):
Meter Number (if available–include the letter):

(3) Street Address of Property Receiving Service:
Street **156 LEROY STREET** City **NY** State **NY** Zip **10014**

(4) Full name, mailing address, home phone and business phone numbers of owner of property receiving service: (please provide information on owner ONLY; do NOT give information on property manager or tenant):
Owner's Name Business: **APMM LEROY LLC**
or Individual:
(Last Name) (First Name) (MI)
Street **C/O PETER MOORE ASSOCIATES, INC. 515 CANAL STREET** City **NEW YORK** State **NY** Zip **10013**
Home Phone(Numbers only): Business Phone(Numbers only):

Customer Billing Information:

PLEASE NOTE:

A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges.

B. Water and sewer charges constitute a lien on the property until paid. In addition to legal action against the owner, a failure to pay such charges when due may result in foreclosure of the lien by the City of New York, or the property being placed in a lien sale by the City.

C. Original bills for water and/or sewer service will be mailed to the owner, at the owner's address specified on this form. DEP will provide a duplicate copy of bills to one other party (such as a managing agent) if so requested below, provided, however, that any failure or delay by DEP in providing duplicate copies of bills shall in no way relieve the owner from his/her/its liability to pay all outstanding water and sewer charges.

(5) If you would like a duplicate copy of bills sent to another party, please check here ☐ and fill out the following information:
Name of Party to Receive Duplicate Copies of Bills:

(6) Mailing Address: Street City State Zip

(7) Relationship to Owner (check one): Managing Agent ☐ Mortgagee ☐
Tenant ☐ Other (please explain):

Owner's Approval

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A, B, C under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/her/its knowledge.

(8) E-mail:

(9) Name of Owner:

(10) Signature: _____

Name and Title of Person Signing for Owner, if applicable:

Date(mm/dd/yyyy): 7 / 30 / 07

BCS-7CRF Rev. 05/2003

200707240012510103

ATTACHMENT

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
Flushing, NY 11373-5108

www.nyc.gov/dep

Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

(1) Property receiving service is located in the Borough of **MANHATTAN**
Block: **601** Lot: **10**

(2) Account Number (if applicable):
Meter Number (if available–include the letter):

(3) Street Address of Property Receiving Service:
Street **156 LEROY STREET** City **NY** State **NY** Zip **10014**

(4) Full name, mailing address, home phone and business phone numbers of owner of property receiving service: (please provide information on owner ONLY; do NOT give information on property manager or tenant):
Owner's Name Business: **APMM LEROY LLC**
or Individual:
(Last Name) (First Name) (MI)
Street **C/O PETER MOORE ASSOCIATES, INC. 515 CANAL STREET** City **NEW YORK** State **NY** Zip **10013**
Home Phone(Numbers only): Business Phone(Numbers only):

Customer Billing Information:

PLEASE NOTE:

A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges.

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Name of Party to Receive Duplicate Copies of Bills:

(6) Mailing Address: Street City State Zip

(7) Relationship to Owner (check one): Managing Agent ☐ Mortgagee ☐
Tenant ☐ Other (please explain):

Owner's Approval

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(10) Signature:

Name and Title of Person Signing for Owner, if applicable:

Date(mm/dd/yyyy): 7/30/07

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Meter Number (if available–include the letter):

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Street **156 LEROY STREET** City **NY** State **NY** Zip **10014**

(4) Full name, mailing address, home phone and business phone numbers of owner of property receiving service: (please provide information on owner ONLY; do NOT give information on property manager or tenant):
Owner's Name Business: **APMM LEROY LLC**
or Individual:
(Last Name) (First Name) (MI)
Street **C/O PETER MOORE ASSOCIATES, INC. 515 CANAL STREET** City **NEW YORK** State **NY** Zip **10013**
Home Phone(Numbers only): Business Phone(Numbers only):

Customer Billing Information:

PLEASE NOTE:

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Name of Party to Receive Duplicate Copies of Bills:

(6) Mailing Address: Street City State Zip

(7) Relationship to Owner (check one): Managing Agent ☐ Mortgagee ☐
Tenant ☐ Other (please explain):

Owner's Approval

The undersigned certifies that he/she/it is the owner of the property receiving service referenced above; that he/she/it has read and understands Paragraphs A, B, C under the section captioned "Customer Billing Information"; and that the information supplied by the undersigned on this form is true and complete to the best of his/her/its knowledge.

(8) E-mail:

(9) Name of Owner:

(10) Signature:
Name and Title ~~of Person Signing for Owner, if applicable~~:
Date(mm/dd/yyyy): 7 / 30 / 07

BCS-7CRF Rev. 05/2003

200707240012510103

ATTACHMENT

The City of New York
Department of Environmental Protection
Bureau of Customer Services
59-17 Junction Boulevard
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Customer Registration Form for Water and Sewer Billing

Property and Owner Information:

(1) Property receiving service is located in the Borough of **MANHATTAN**
Block: **601** Lot: **10**

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(3) Street Address of Property Receiving Service:
Street **156 LEROY STREET** City **NY** State **NY** Zip **10014**

(4) Full name, mailing address, home phone and business phone numbers of owner of property receiving service: (please provide information on owner ONLY; do NOT give information on property manager or tenant):
Owner's Name Business: **APMM LEROY LLC**
or Individual:
(Last Name) (First Name) (MI)
Street **C/O PETER MOORE ASSOCIATES, INC. 515 CANAL STREET** City **NEW YORK** State **NY** Zip **10013**
Home Phone(Numbers only): Business Phone(Numbers only):

Customer Billing Information:

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A. Water and sewer charges are the legal responsibility of the owner of a property receiving water and/or sewer service. The owner's responsibility to pay such charges is not affected by any lease, license or other arrangement, or any assignment of responsibility for payment of such charges.

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Name of Party to Receive Duplicate Copies of Bills:

(6) Mailing Address: Street City State Zip

(7) Relationship to Owner (check one): Managing Agent ☐ Mortgagee ☐
Tenant ☐ Other (please explain):

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(8) E-mail:

(9) Name of Owner:

(10) Signature:
Name and Title of Person Signing for Owner, if applicable:
Date(mm/dd/yyyy): 7 / 30 / 07

BCS-7CRF Rev. 05/2003

200707240012510103

APPENDIX M
OWNER QUESTIONNAIRE

W

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

ASTM PRACTICE E 1527-05: OWNER/OPERATOR/SITE-MANAGER QUESTIONNAIRE

Please complete the below form and return to
Langan Engineering and Environmental Services Inc.

Project Location/Address: LOT #1 - WEST ST.
BLOCK 601
NEW YORK, NY

ASTM E-1527-05, Section 10.9

	Yes	No
Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?	☐	☑
Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?	☐	☑
Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	☐	☑

ASTM E-1527-05, Section 10.8

Are you aware if any of the documents listed below exists and if so, whether copies can and will be provided to the Consultant performing the ESA?

	Unaware	Document Exists	Copy will be provided
Environmental site assessment reports	☑	☐	☐
Environmental compliance audit reports	☑	☐	☐
Environmental permits (such as solid waste disposal permits, hazardous waste disposal permits, NPDES permits, wastewater permits, underground injection permits)	☑	☐	☐
Registrations for underground and aboveground storage tanks	☑	☐	☐
Material safety data sheets	☑	☐	☐
Community-right-to-know plan	☑	☐	☐

	Unaware	Document Exists	Copy will be provided
Safety plans; preparedness and prevention plans; spill prevention, countermeasure and control plans, etc.	☑	☐	☐
Reports regarding hydrogeologic conditions on the property or surrounding area	☑	☐	☐
Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property	☑	☐	☐
Hazardous waste generator notices or reports	☑	☐	☐
Geotechnical studies	☑	☐	☐
Risk Assessments	☑	☐	☐
Recorded Activity and Use Limitations	☑	☐	☐
Environmental Cleanup Reports	☑	☐	☐

Do you have contact information for the prior owner of the property? **Yes** ☐ **No** ☑
If yes, please provide information below:

Prior Owner's Name _____

Contact person _____

Address _____

_____

Telephone _____

Do you have contact information for the prior occupant of the property? **Yes** ☐ **No** ☑
If yes, please provide information below:

Prior Occupant's Name _____

Contact person _____

Address _____

_____

Telephone _____

Do you have information on the prior facility manager of the property? **Yes** ☐ **No** ☑
If yes, please provide information below:

Prior Facility Manager's Name _____

Contact person _____

Address _____

_____

Telephone _____

This form was completed by:

Property Owner ☑ Operator ☐ Key Site Manager ☐ User ☐ EP ☐

Name: BERGNAT REALTY ASSOCIATES LP C/O SAMUEL G. WEINBERG

Address: 551 MADISON AVENUE - 10TH FLOOR

Signature: _____ Date: 5/7/2013

A

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

ASTM PRACTICE E 1527-05: OWNER/OPERATOR/SITE-MANAGER QUESTIONNAIRE

Please complete the below form and return to
Langan Engineering and Environmental Services Inc.

Project Location/Address: Lot 4 - West St.
BLOCK 60
New York, NY

ASTM E-1527-05, Section 10.9

	Yes	No
Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?	☐	☑
Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?	☐	☑
Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	☐	☑

ASTM E-1527-05, Section 10.8

Are you aware if any of the documents listed below exists and if so, whether copies can and will be provided to the Consultant performing the ESA?

	Unaware	Document Exists	Copy will be provided
Environmental site assessment reports	☑	☐	☐
Environmental compliance audit reports	☑	☐	☐
Environmental permits (such as solid waste disposal permits, hazardous waste disposal permits, NPDES permits, wastewater permits, underground injection permits)	☑	☐	☐
Registrations for underground and aboveground storage tanks	☑	☐	☐
Material safety data sheets	☑	☐	☐
Community-right-to-know plan	☑	☐	☐

	Unaware	Document Exists	Copy will be provided
Safety plans; preparedness and prevention plans; spill prevention, countermeasure and control plans, etc.	☑	☐	☐
Reports regarding hydrogeologic conditions on the property or surrounding area	☑	☐	☐
Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property	☑	☐	☐
Hazardous waste generator notices or reports	☑	☐	☐
Geotechnical studies	☐	☑	☐
Risk Assessments	☑	☐	☐
Recorded Activity and Use Limitations	☑	☐	☐
Environmental Cleanup Reports	☑	☐	☐

Do you have contact information for the prior owner of the property? **Yes** ☑ **No** ☐
If yes, please provide information below:

Prior Owner's Name 357 West, LLC

Contact person Nissan Perla

Address c/o Olympic Diamond, 580 Fifth Avenue, Suite 1200,
New York, NY 10036

Telephone (212) 382-3888

Do you have contact information for the prior occupant of the property? **Yes** ☐ **No** ☑
If yes, please provide information below:

Prior Occupant's Name _____

Contact person _____

Address _____

_____

Telephone _____

Do you have information on the prior facility manager of the property? **Yes** ☐ **No** ☑
If yes, please provide information below:

Prior Facility Manager's Name _____

Contact person _____

Address _____

_____

Telephone _____

This form was completed by:

Property Owner ☑ Operator ☐ Key Site Manager ☐ User ☐ EP ☐

Name: APMM Leroy LLC

Address: 60 Columbus Circle, 20th Floor, NY, NY 10023

_____

Signature: _____ Date: 5/1/13

9

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

ASTM PRACTICE E 1527-05: OWNER/OPERATOR/SITE-MANAGER QUESTIONNAIRE

Please complete the below form and return to
Langan Engineering and Environmental Services Inc.

Project Location/Address: Lot #5 WEST ST.
BLOCK 601
NEW YORK, NY

ASTM E-1527-05, Section 10.9

	Yes	No
Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?	☐	☑
Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?	☐	☑
Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	☐	☑

ASTM E-1527-05, Section 10.8

Are you aware if any of the documents listed below exists and if so, whether copies can and will be provided to the Consultant performing the ESA?

	Unaware	Document Exists	Copy will be provided
Environmental site assessment reports	☑	☐	☐
Environmental compliance audit reports	☑	☐	☐
Environmental permits (such as solid waste disposal permits, hazardous waste disposal permits, NPDES permits, wastewater permits, underground injection permits)	☑	☐	☐
Registrations for underground and aboveground storage tanks	☑	☐	☐
Material safety data sheets	☑	☐	☐
Community-right-to-know plan	☑	☐	☐

	Unaware	Document Exists	Copy will be provided
Safety plans; preparedness and prevention plans; spill prevention, countermeasure and control plans, etc.	☑	☐	☐
Reports regarding hydrogeologic conditions on the property or surrounding area	☑	☐	☐
Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property	☑	☐	☐
Hazardous waste generator notices or reports	☑	☐	☐
Geotechnical studies	☑	☐	☐
Risk Assessments	☑	☐	☐
Recorded Activity and Use Limitations	☑	☐	☐
Environmental Cleanup Reports	☑	☐	☐

Do you have contact information for the prior owner of the property? **Yes** ☐ **No** ☒
If yes, please provide information below:

Prior Owner's Name _____

Contact person _____

Address _____

_____

Telephone _____

Do you have contact information for the prior occupant of the property? **Yes** ☐ **No** ☒
If yes, please provide information below:

Prior Occupant's Name _____

Contact person _____

Address _____

_____

Telephone _____

Do you have information on the prior facility manager of the property? **Yes** ☐ **No** ☒
If yes, please provide information below:

Prior Facility Manager's Name _____

Contact person _____

Address _____

_____

Telephone _____

This form was completed by:

Property Owner ☐ Operator ☐ Key Site Manager ☒ User ☐ EP ☐

Name: Hugh A Feinberg

Address: 544 Hudson Street, NY, NY 10014

_____

Signature: [signature] Date: 5/7/13

A

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

ASTM PRACTICE E 1527-05: OWNER/OPERATOR/SITE-MANAGER QUESTIONNAIRE

Please complete the below form and return to
Langan Engineering and Environmental Services Inc.

Project Location/Address: Lot 8 - West St
Block 601
New York, NY

ASTM E-1527-05, Section 10.9

	Yes	No
Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?	☐	☑
Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property? NYSDEC SPILL #1300212	☑	☐
Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	☐	☑

ASTM E-1527-05, Section 10.8

Are you aware if any of the documents listed below exists and if so, whether copies can and will be provided to the Consultant performing the ESA?

	Unaware	Document Exists	Copy will be provided
Environmental site assessment reports	☐	☑	☐
Environmental compliance audit reports	☑	☐	☐
Environmental permits (such as solid waste disposal permits, hazardous waste disposal permits, NPDES permits, wastewater permits, underground injection permits)	☑	☐	☐
Registrations for underground and aboveground storage tanks	☑	☐	☐
Material safety data sheets	☑	☐	☐
Community-right-to-know plan	☑	☐	☐

	Unaware	Document Exists	Copy will be provided
Safety plans; preparedness and prevention plans; spill prevention, countermeasure and control plans, etc.	☑	☐	☐
Reports regarding hydrogeologic conditions on the property or surrounding area	☐	☑	☐
Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property	☑	☐	☐
Hazardous waste generator notices or reports	☑	☐	☐
Geotechnical studies	☐	☑	☐
Risk Assessments	☑	☐	☐
Recorded Activity and Use Limitations	☑	☐	☐
Environmental Cleanup Reports	☐	☑	☐

Do you have contact information for the prior owner of the property? **Yes** ☑ **No** ☐
If yes, please provide information below:

Prior Owner's Name Westside Views, LLC

Contact person Nissan Perla

Address c/o Olympic Diamond, 580 Fifth Avenue, Suite 1200, New York, NY 10036

Telephone (212) 382-3888

Do you have contact information for the prior occupant of the property? **Yes** ☑ **No** ☐
If yes, please provide information below:

Prior Occupant's Name Village Auto Center

Contact person Gary Shokin

Address Last known address: 160 Leroy Street, NY, NY 10014

Telephone Last known number: (212) 675-5022

Do you have information on the prior facility manager of the property? **Yes** ☐ **No** ☑
If yes, please provide information below:

Prior Facility Manager's Name _____

Contact person _____

Address _____

_____

Telephone _____

This form was completed by:

Property Owner ☑ Operator ☐ Key Site Manager ☐ User ☐ EP ☐

Name: APMM Leroy LLC

Address: 60 Columbus Circle, 20th Floor, NY, NY 10023

_____

Signature: [signature] Authorized Signatory Date: 5/1/13

A

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

ASTM PRACTICE E 1527-05: OWNER/OPERATOR/SITE-MANAGER QUESTIONNAIRE

Please complete the below form and return to
Langan Engineering and Environmental Services Inc.

Project Location/Address: Lot 10 - WEST ST
BLOCK 601
NEW YORK, NY

ASTM E-1527-05, Section 10.9

	Yes	No
Do you know of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property?	☐	☑
Do you know of any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property?	☐	☑
Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?	☐	☑

ASTM E-1527-05, Section 10.8

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Registrations for underground and aboveground storage tanks	☑	☐	☐
Material safety data sheets	☑	☐	☐
Community-right-to-know plan	☑	☐	☐

	Unaware	Document Exists	Copy will be provided
Safety plans; preparedness and prevention plans; spill prevention, countermeasure and control plans, etc.	☑	☐	☐
Reports regarding hydrogeologic conditions on the property or surrounding area	☑	☐	☐
Notices or other correspondence from any governmental agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property	☑	☐	☐
Hazardous waste generator notices or reports	☑	☐	☐
Geotechnical studies	☐	☑	☐
Risk Assessments	☑	☐	☐
Recorded Activity and Use Limitations	☑	☐	☐
Environmental Cleanup Reports	☑	☐	☐

Do you have contact information for the prior owner of the property? **Yes** ☑ **No** ☐
If yes, please provide information below:

Prior Owner's Name 156 Leroy LLC

Contact person Nissan Perla

Address c/o Olympic Diamond, 580 Fifth Avenue, Suite 1200,
New York, NY 10036

Telephone (212) 382-3888

Do you have contact information for the prior occupant of the property? **Yes** ☐ **No** ☑
If yes, please provide information below:

Prior Occupant's Name _____

Contact person _____

Address _____

_____

Telephone _____

Do you have information on the prior facility manager of the property? **Yes** ☐ **No** ☑
If yes, please provide information below:

Prior Facility Manager's Name _____

Contact person _____

Address _____

_____

Telephone _____

This form was completed by:

Property Owner ☑ Operator ☐ Key Site Manager ☐ User ☐ EP ☐

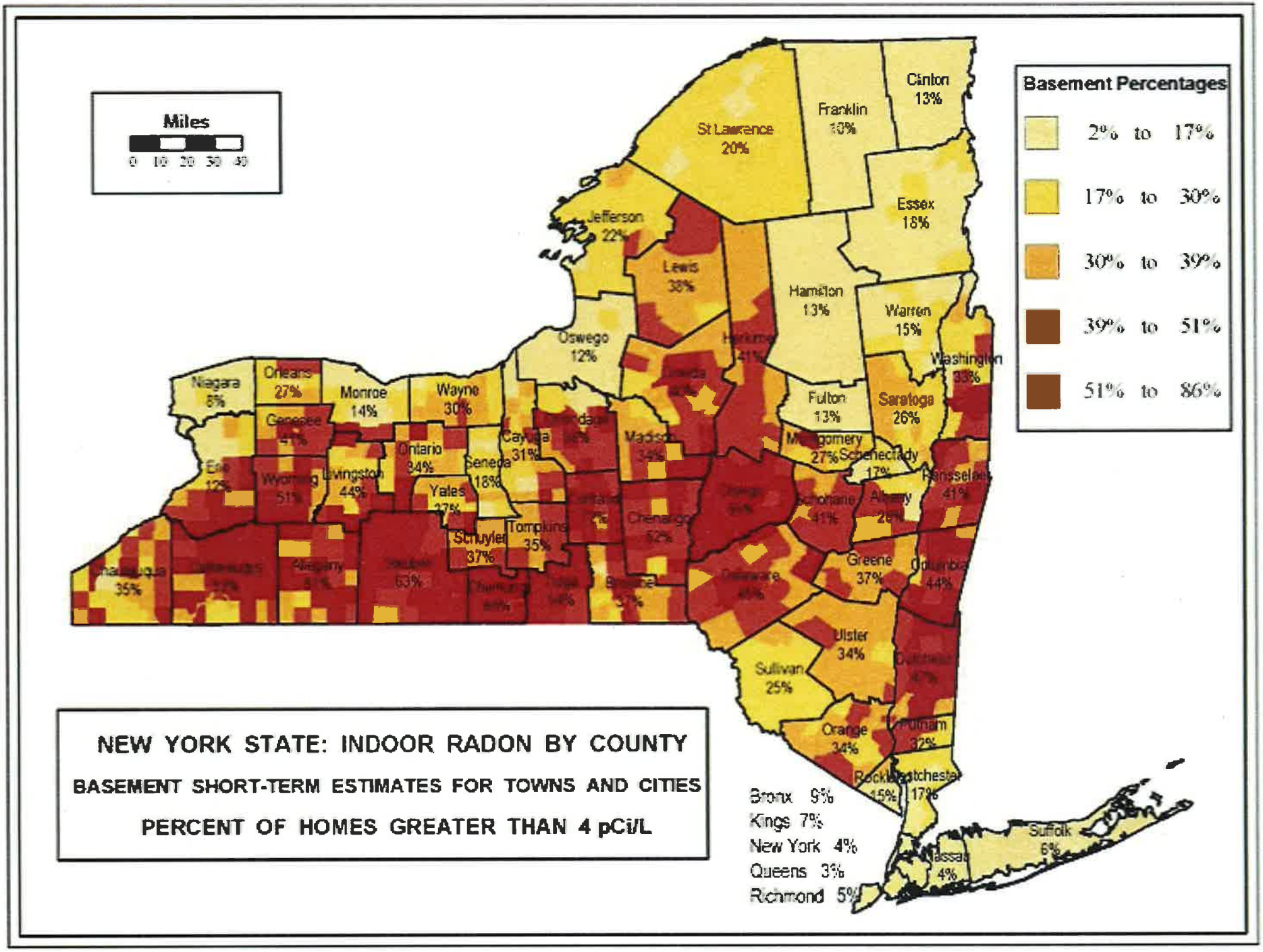
Name: APMM Leroy LLC

Address: 60 Columbus Circle, 20th Floor, NY, NY 10023

_____

Signature: [signature], Authorized Signatory Date: 5/1/13

APPENDIX N
RADON MAP


Miles
0 10 20 30 40
Basement Percentages
2% to 17%
17% to 30%
30% to 39%
39% to 51%
51% to 86%
St Lawrence 20%
Franklin 13%
Clinton 13%
Essex 18%
Jefferson 22%
Lewis 38%
Hamilton 13%
Warren 15%
Washington 33%
Oswego 12%
Fulton 13%
Saratoga 26%
Niagara 8%
Orleans 27%
Monroe 14%
Wayne 30%
Genesee 41%
Ontario 34%
Seneca 18%
Cayuga 31%
Madison 34%
Montgomery 27%
Schenectady 17%
Rensselaer 41%
Erie 12%
Wyoming 51%
Livingston 44%
Yates 27%
Schoharie 41%
Albany 26%
Tompkins 35%
Schuyler 37%
Chenango 52%
Greene 37%
Columbia 44%
Chautauqua 35%
Allegany 63%
Delaware 46%
Ulster 34%
Sullivan 25%
Orange 34%
Putnam 32%
Rockland 15%
Westchester 17%
Bronx 9%
Kings 7%
New York 4%
Queens 3%
Richmond 5%
Suffolk 6%
Nassau 4%
NEW YORK STATE: INDOOR RADON BY COUNTY
BASEMENT SHORT-TERM ESTIMATES FOR TOWNS AND CITIES
PERCENT OF HOMES GREATER THAN 4 pCi/L

APPENDIX O
RESUMES

Michael D. Burke, LEED AP

Associate

Environmental Engineering and Remediation

15 years in the industry ~ 6 years with Langan

Mr. Burke is a geologist/environmental scientist whose practice involves site investigation and remediation, environmental site assessments, in-situ remedial technology, sub-slab depressurization system design, emergency response, environmental and geotechnical site investigations, and health and safety monitoring. He has experience with projects in the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup, Voluntary Cleanup and Spill Programs and New York City Department of Environmental Protection (NYCDEP) "E" Designated and New York City Brownfield Cleanup Program sites. He has extensive experience in soil and groundwater investigation and remediation, design of in-situ chemical oxidation and enhanced bioremediation strategies, Phase I Site Assessments, Phase II site investigations, UST Closures, NYSDEC spill closure, remedial excavation oversight and excavation and off-site treatment and/or disposal of contaminated soils.

Selected Projects

Meeker Avenue Plume Trackdown Site, Brooklyn, NY
Borden Avenue Distribution Facility, Queens, NY
Consolidated Edison of New York, West 17th Street Development Site (Former MGP Site), New York, NY
Consolidated Edison of New York, Governors Island Dielectric Fluid Spill, New York, NY
Montefiore Medical Center, PCB Remediation, Bronx, NY
New York University, 4 Washington Square Village Fuel Oil Remediation, New York, NY
New York City School Construction Authority (NYCSCA), Proposed New York City School Construction Sites, Boroughs of New York City, NY
Consolidated Edison of New York, East 60th Street Generating Station, New York, NY
82 Irving Place, New York, NY
1113 York Avenue, New York, NY
Peter Cooper Village/Stuyvesant Town, New York, NY
Superior Ink, New York, NY
Bronx Mental Health Redevelopment Project, Bronx, NY
2950 Atlantic Avenue, East New York, Brooklyn, NY
Consolidated Edison of New York, East 74th Street Generating Station, New York, NY
Gowanus Village I, Brooklyn, NY
Consolidated Edison of New York, First Avenue Properties, New York, NY
Queens West Development Corp. Stage II, Long Island City, Queens, NY

Education

M.S., Environmental Geochemistry
Rutgers University

B.S., Geological Sciences
Rutgers University

B.S., Environmental Science
Rutgers University

Professional Registration

OSHA Certification for Hazardous Waste Site Supervisor

OSHA 29 CFR 1910.120 Certification for Hazardous Waste Operations and Emergency Response

NJDEP Certification for Community Noise Enforcement

Troxler Certification for Nuclear Densometer Training

Article X Project Experience, Proposed Electrical Generation Sites,
Multiple Locations, New York State
Poletti Generating Station, Queens, NY
Arthur Kill Generating Station, Staten Island, New York, NY
K. Hovnanian, New Jersey Development Sites, New Jersey

Joel B. Landes, PE

Senior Associate/ Program Director
Environmental Engineering & Project Management

37 years in the industry ~ 12 years with Langan

Mr. Landes has over thirty-seven years of diversified experience directing environmental engineering and consulting projects for Fortune 500 manufacturing firms, real estate developers and public utilities. His experience includes management of environmental compliance for a major pharmaceutical company and as an environmental affairs consultant for private clients. He has expertise in redevelopment of former industrial, chemical, petroleum storage and manufactured gas plant Brownfield sites into residential and commercial use. He has lead environmental studies for acquisitions and divestitures of pharmaceutical and industrial facilities; industrial site selection and permitting.

He currently oversees all Langan environmental services in the New York City Metropolitan area including Phase I and II Environmental Site Assessments; remedial investigations and feasibility studies; remedial measure design and implementation.

Selected Projects

711 Stewart Avenue, Garden City, NY
Sullivan Street Hotel, New York, NY
Acme/Whitehead, Brooklyn, NY
The Shops at Atlas Park, Glendale, Queens, NY
Gateway at Bronx Terminal Market, Bronx, NY
Jacob K. Javits Convention Center Expansion, New York, NY
7 World Trade Center, New York, NY
JFK and LaGuardia International Airports, American Airlines Terminals, Environmental Assessments, Queens, NY
Waterside Generating Plan and Office Building, New York, NY
Memorial Sloan-Kettering Cancer Center, New York, NY
Highline Park, New York, NY
Yankee Stadium Redevelopment Project, Bronx, NY
Proposed New York Jets Stadium, New York, NY
475 Ninth Avenue, New York, NY
JFK International Airport, International Arrivals Building, Jamaica, Queens, NY
FSM Partners, New York, NY
Consolidated Edison of New York, Multiple Former MGP Facilities, Various Locations, New York, NY
Nippon Cargo, Jamaica, Queens, NY
Sterling Drug, Inc., Rensselaer, NY
River Place I and II, New York, NY
10 Chelsea, New York, NY

Education

Graduate Studies in
Business Management
Union College

M.E., Environmental Planning
and Management
The Cooper Union

B.S., Chemical Engineering
Polytechnic Institute of Brooklyn

Professional Registration

Professional Engineer (PE) in NY, NJ

Affiliations

New York Building Congress

NYC Partnerships of Brownfield Professionals

Business Council of New York State

Environmental Business Association

National Brownfield Association – NYS Chapter

LANGAN

Silvercup West, Long Island City, NY
Superior Ink, New York, NY
Peter Cooper Village/Stuyvesant Town, MGP Consultations, New York, NY
Duane Street Condominium, New York, NY
Underground Storage Tank Removals, New York, NY
Archstone Clinton, New York, NY
Ninth Avenue Remediation, New York, NY
Columbia University, Manhattanville Development Project, New York, NY
Columbia University Real Estate Group, 220 East 138th Street, Bronx, NY
Columbia University Real Estate Group, 1734 Bathgate Avenue, Bronx, NY
Columbia University Real Estate Group, 1745 Bathgate Avenue, Bronx, NY
Columbia University, The Studebaker Building Renovation, New York, NY
City University of New York (CUNY) John Jay College Expansion, New York, NY
PS 192, New York, NY
Fresh Kills Landfill, New York City Department of Sanitation, Staten Island, NY
Atlantic Avenue Service Center, Brooklyn, NY
Consolidated Edison of New York, Historic MGP Facility, Site Assessment, New York, NY
Environmental Consulting, Confidential Client, New York, NY
Confidential Client, Expert Affidavit, New York, NY
Confidential Client, Four New York Properties, New York, NY
Confidential Client, Expert Review and Remediation, Yonkers, NY
Confidential Client, Senior Environmental Consulting, Brooklyn, NY
Property Investigation for Village of Sleepy Hollow, Tarrytown, NY
Expert Affidavit, Confidential Client, New York, NY
Vehicle Service Facility, City of Yonkers, NY
JFK International Airport, Eastern Airlines Hangar, Jamaica, Queens, NY
Village of Sleepy Hollow, Tarrytown, NY
First Aviation Services Hangar and Terminal at Teterboro Airport, Teterboro, NJ
New Jersey Turnpike Authority, East Brunswick, NJ
Crane Company, Roseland, NJ
Confidential Industrial Client, Environmental Risk Management, Bound Brook, NJ
Confidential Client, Superfund Site Remediation, Bound Brook, NJ
Century Office Products, Bound Brook, NJ
Elizabethtown Gas Company, Elizabeth, NJ
Ethicon, Somerville, NJ
Indiana General, Keasbey, NJ
Sumitomo Machinery, Teterboro, NJ
Yamato Transport, Tuckahoe, NY and Leonia, NJ
Schmid Labs, Little Falls, NJ
Schmid Labs, West Patterson, NJ
Sithe Energy, Kenilworth, NJ
L&F Products, ISRA/ECRA Cleanup, Belle Mead, NJ
Confidential Client, Bound Brook, NJ
Mutual Oil Company, RI
Filling Station, Cumberland, RI
Service Station, Cumberland, RI
Confidential Independent Power Producer Siting Analysis, Midwest, Mid-Atlantic and Southern, United States
Confidential IPP, Various Locations, VA
Florida Power and Light (FPL), Miami, FL
TXU Energy, Dallas, TX
AMF Bowling Centers, Phase I ESA's, 285 Locations, United States

Confidential Independent Power Producer, Midwest, Mid-Atlantic and Southern United States
CPC International, Various Locations, NY and IL
Pnemo Abex, Cleveland, OH
NL Chemicals, Various Locations, NJ and MI
Copper Processing Plant, Sofia, Bulgaria
Steel Processing Plant, Environmental Assessment, Pernik, Bulgaria
American Home Products, Mexico
Confidential Pharmaceutical Acquisition, Europe, Caribbean, and Africa
Colgate-Palmolive, Paris, France, Mexico City, Mexico, Brazil, Argentina and South America
Pfizer Pharmaceutical Company, PA and Europe
Riverwood Capital, US, Mexico, Central and South America
Sterling Drug, Puerto Rico
Laport, Ltd., Chile, South America

Gregory C. Wyka, LEED AP

Senior Staff Geologist
Environmental Engineering

4.5 years in the industry ~ >1 year with Langan

Mr. Wyka is a geologist with experience in regulatory government and environmental liability consulting. His expertise includes site characterization, remedial investigation, conceptual site modeling, remedial design and implementation, construction management and sustainability. Mr. Wyka's abilities integrate remediation with property redevelopment and provides technical, regulatory, logistical, and risk management guidance to clients, including developers, owners, and environmental attorneys. He has managed drilling and excavation contractors and has provided direct assistance for clients on construction and remediation projects in the New York State Inactive Hazardous Waste Disposal Site Program, New York State Spill Response Program, New York State Brownfield Cleanup Program, and the New York City E-Designation Program.

Selected Projects

55 Water Street, Emergency Response, Hurricane Sandy Flood Cleanup
New York, NY
205 Water Street, E-Designation Closure / Construction Management
Brooklyn, NY
29-01 Borden Avenue, Spill/UST Closure/Regulatory Support
Queens, NY
RCRA Closure / UST Closure, 29-10 Hunters Point Avenue
Queens, NY
30-27 Greenpoint Avenue, Remedial Investigation / LNAPL Recovery
Queens, NY
160 East 22nd Street, Construction Management
New York, NY
Brooklyn Bridge Park Pierhouse, Construction Management
Brooklyn, NY
489 Great Neck Road, Remedial Investigation / VI Mitigation
Great Neck, NY
505 West 27th Street, Remedial Investigation
New York, NY
SPDES Compliance and Energy Benchmarking, Swing Staging, Inc.
Queens, NY
144 East 201st Street, E-Designation Closure /Construction Management,
Bronx, NY
Big River Study Area, Remedial Investigation/Feasibility Study,
Old Lead Belt, MO
Berry's Creek Study Area, Remedial Investigation/Feasibility Study,
Bergen County, NY
Everglades Restoration Project, Remedial Investigation/Feasibility Study,
Clewiston, FL

Education

B.A., Geology, Chemistry and Environmental Studies
Bowdoin College

Professional Registration

LEED AP Neighborhood Development

Affiliations

Society of Urban Green Council (USGBC)

LANGAN

Gregory C. Wyka, LEED AP

Marble River Wind Farm, Wetlands and Invasive Species Delineation,
Ellenburg, NY

June 20, 2013

Ryan Piper
Spill Prevention and Response Program
Division of Environmental Remediation
New York State Department of Environmental Conservation, Region 2
1 Hunters Point Plaza
47-40 21st Street
Long Island City, NY 11101-5407
rmpiper@gw.dec.state.ny.us

Re: Spill Closure Report
West & Leroy ("The Project")
359 West Street, New York, NY
NYSDEC Spill No.: 1300212
Langan Project No.: 170215701

Dear Mr. Piper:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan), on behalf of APMM Leroy, LLC, prepared this Spill Closure Report to document the remedial activities that were performed in response to the New York State Department of Environmental Conservation (NYSDEC) Spill No. 1300212 at 359 West Street, New York, NY (the Site). This spill closure report includes a summary of the emergency response activities, documentation of off-site disposal of recovered waste oil and petroleum-contaminated water, and the results of a post-remediation inspection.

PROJECT BACKGROUND

Site Location and Description

The Site (Tax Block 601, Lot 8) is located in the West Village neighborhood of Manhattan on the west end of the city block bordered by Leroy Street to the north, Washington Street to the east, Clarkson Street to the south, and West Street to the west. The Site is improved with a vacant one-story building with partial basement and was formerly occupied by an automobile repair garage, car wash and express oil change shop. There is an oil change pit in the former oil change shop that is approximately 40 feet long by 3 feet wide and opens to a partial basement

that is roughly 20 feet by 40 feet in area. The partial basement is accessible via the oil change pit and a staircase with an entrance on Leroy Street.

A petroleum spill was reported to the NYSDEC on April 8, 2013 after petroleum product was identified in the oil change pit during a Phase I site inspection; NYSDEC Spill No. 1300212 was assigned. We believe the Site was flooded during the storm surge of Tropical Storm Sandy in October 2012. The surge presumably flooded the oil change pit and displaced petroleum products, or residual product, stored in three 1,000-gallon ASTs and four 500-gallon ASTs. Product levels in the pit were monitored periodically since Spill discovery and no fluctuation was noted prior to the emergency response. This observation indicates that the oil and floodwater were contained within the oil change pit and partial basement.

SUMMARY OF REMEDIAL ACTIVITIES

Emergency Response

Brookside Environmental, Inc. of Copiague, New York was contracted by Langan to recover waste oil and petroleum-contaminated water and to remove residual petroleum from the floor, ceiling and interior walls of the oil change pit and partial basement. Photographs of the remedial activities are included as Attachment 1. Emergency spill response and residual petroleum cleanup activities were performed between May 23, 2013 and June 7, 2013 and are summarized below:

<u>May 23, 2013</u>

Brookside and their subcontractor, W.J. Lauer Corp of Staten Island, New York, recovered about 2,000 gallons of oil and about 966 gallons of petroleum-contaminated water from the oil change pit using a vacuum truck. Absorbent pads were placed on the surface of the oil within the pit at the end of the day.

<u>May 29, 2013</u>

Brookside and W.J. Lauer returned to the Site on May 29, 2013 to continue the recovery of oil and floodwater. The absorbent pads placed within the pit on May 23, 2013 were collected and containerized in a 55-gallon steel drum. Brookside and W.J. Lauer recovered about 6,271 gallons of petroleum-contaminated water from the oil change pit using a vacuum truck. A fresh set of absorbent pads were placed on the surface of the oil within the pit at the end of the day.

June 3, 2013

Brookside and W.J. Lauer returned to the Site on June 3, 2013 to continue the recovery of oil and floodwater; they recovered about 25,300 gallons of petroleum-contaminated water from the oil change pit using vacuum trucks. Spent absorbent pads were collected and containerized in a 55-gallon steel drum. At the end of the day, Brookside was able to access the partial basement to perform a preliminary survey of the basement and place a fresh set of absorbent pads on the surface of the oil (on top of about 2 feet of water) within the basement. Brookside identified seven ASTs (three 1,000-gallon ASTs and four 500-gallon ASTs) and several 55-gallon plastic or steel drums. Two 1,000-gallon ASTs were found at the base of the oil change pit; the third 1,000-gallon AST was found along the northwestern wall of the basement and anchored to the concrete floor and wall. The four 500-gallon ASTs were found in a separate room within the partial basement and anchored to the concrete floor and walls.

June 4, 2013

Brookside and W.J Lauer returned to the Site on June 4, 2013 to continue the recovery of oil and floodwater; they recovered about 11,950 gallons of petroleum-contaminated water from the oil change pit using vacuum trucks. Spent absorbent pads were collected and containerized in a 55-gallon steel drum.

June 5, 2013

Brookside and W.J. Lauer returned to the Site on June 5, 2013 to continue the recovery of oil and floodwater; they recovered about 5,989 gallons of petroleum-contaminated water from the oil change pit and partial basement (including petroleum-contaminated water pumped from the seven ASTs and miscellaneous 55-gallon drums) using a vacuum truck. In addition, Brookside delivered a 30-cubic-yard roll-off container to the Site to contain bulk recovery material and oil-impacted debris.

June 6, 2013

Brookside returned to the Site on June 6, 2013 to continue the removal of oil-impacted debris and begin the removal of the miscellaneous 55-gallon drums and two 1,000-gallon ASTs at the base of the oil change pit. Both ASTs were removed and cleaned under the supervision of an FDNY licensed tank contractor. The 1,000-gallon AST along the northwestern wall of the basement and four 500-gallon ASTs found in the separate tank room were left-in-place as they were all anchored to the concrete floor and walls. The ASTs left-in-place will be removed

during building demolition. After both ASTs were cleaned, the tank carcasses were cut and transported off-site for scrap metal recycling. Brookside identified a concrete-lined sump pit with a defunct pump in the room with the four ASTs. No petroleum-contaminated water was recovered for disposal.

June 7, 2013

Brookside and W.J. Lauer returned to the Site on June 7, 2013 to continue cleanup activities. Brookside power-washed the floor, ceiling, and interior walls of the oil change pit and basement using water and Zep® heavy-duty citrus degreasing agent, and then wiped and dried the floor, ceiling and interior walls with absorbent pads. About 349 gallons of petroleum-contaminated water, including spent cleaning solutions, was recovered by W.J. Lauer. Spent absorbent pads were collected and containerized in a 55-gallon steel drum.

Transportation and Disposal of Waste

About 57,125 gallons of petroleum-impacted water and 2,000 gallons of oil was recovered and transported to Clean Water of New York, Inc. of Staten Island, New York (NYSDEC 2-6401-0065/0001) for recycling or disposal. A 30-cubic-yard roll-off container was used to contain bulk recovery material and oil-impacted debris. The petroleum-contaminated contents of the 55-gallon drums (i.e. spent absorbent pads and PPE) and the drums were added to the 30-cubic-yard roll-off container. The roll-off container was transported to Cycle Chem, Inc. of Elizabeth, New Jersey (NJD002200046) for disposal. A summary of generated waste from the emergency spill response and residual petroleum cleanup is presented in Table 1. Copies of waste manifests are included as Attachment 2.

Post-Remediation Inspection

Langan conducted a post-remediation inspection of the oil change pit and partial basement on June 10, 2013 to verify completion of cleanup. Significant residual waste oil, petroleum-related staining or odors were not identified in the interior of the oil change pit and basement. However, de minimis residual oil was identified on overhead piping and on the interior walls of the basement. No cracks, gaps, joints or other preferential migration pathways were identified on the concrete walls surrounding the oil change pit and on the concrete walls and slab of the partial basement. No evidence of petroleum-contamination was observed from the concrete-lined sump. As the sump is the lowest point in the basement, we assume the sump flooded first during the storm surge of Tropical Storm Sandy and deduce the floodwater acted as a barrier preventing the downward migration of waste oil.

Significant petroleum impacts in the subsurface surrounding the oil change pit and partial basement are unlikely based on the absence of migration pathways and the amount of waste oil recovered during the emergency response. Photographs from the post-remediation inspection are included in Attachment 1.

SPILL CLOSURE

Per your Site inspection, Spill 1300212 was closed as of 12 June 2013; documentation of closure is provided as Attachment 3. Consistent with our on-Site discussions, the remaining aboveground storage tanks, associated piping, and any oil-impacted building materials that could not be removed during cleanup will be segregated and removed during building demolition. Appropriate health and safety procedures will be followed, the work will be documented, and an update will be provided to you upon completion of this work.

Please contact the undersigned with questions or concerns.

Sincerely,
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.

Gerald F. Nicholls

Gerald Nicholls, PE, CHMM
Project Engineer

Michael D. Burke

Michael Burke, CHMM
Associate

Enclosures: Table 1: Summary of Generated Waste
Figure 1: Site Plan
Attachment 1: Photographs of Remedial Activities
Attachment 2: Disposal Manifests
Attachment 3: Spill Closure Documentation

cc: Raymond Del Savio and Keith Murray (Gorton & Partners)
Scott Furman (Tannenbaum Helpern Syracuse & Hirschtritt)
Greg Wyka (Langan)

TABLE

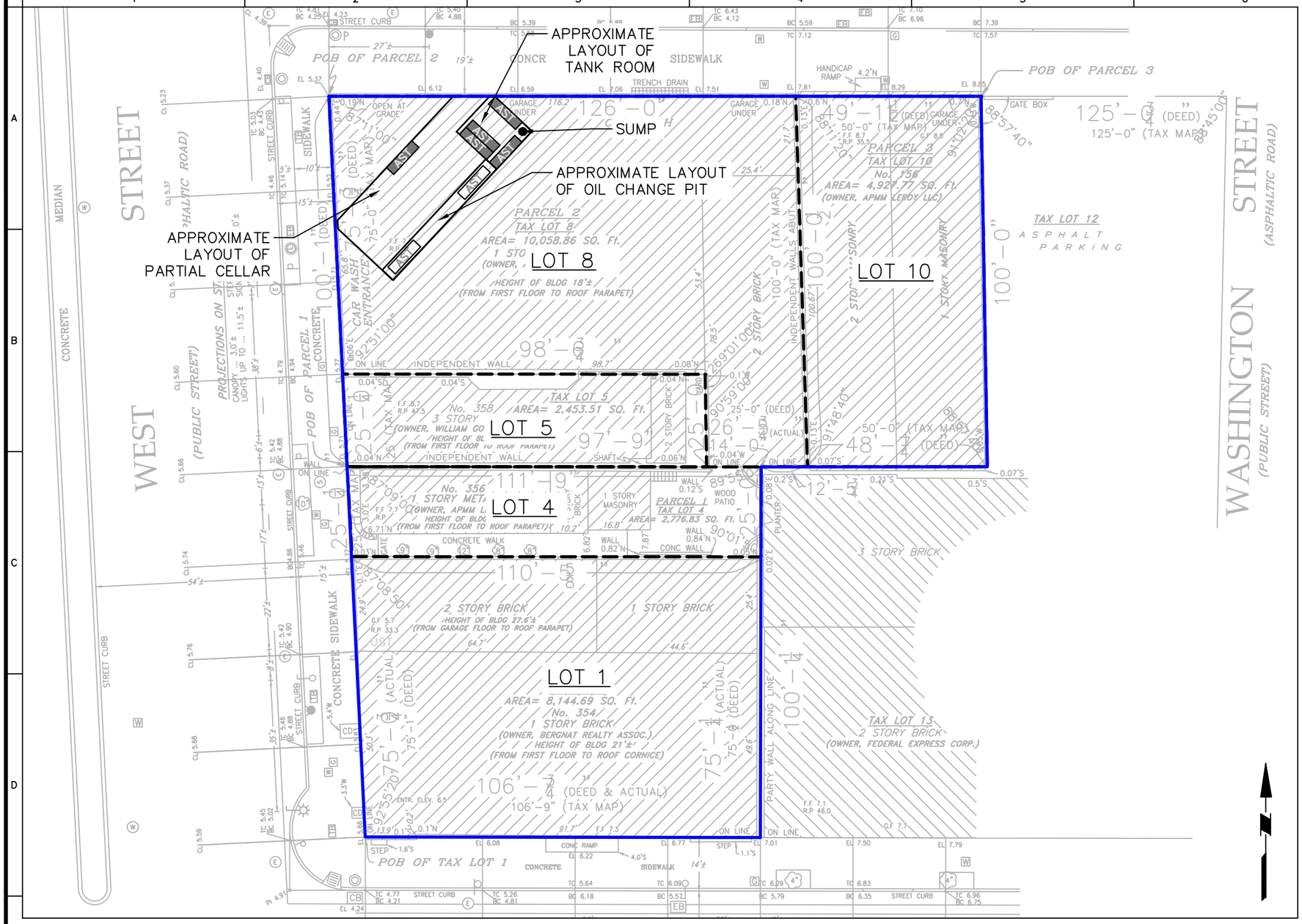
Table 1
Summary of Generated Waste
West and Leroy
359 West Street, New York, NY

Daily Total	Date	Material	Facility Destination	Quantity (Gal)	Manifest Number
1	5/23/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	2966	123777
1	5/29/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	6271	N/A
1	6/3/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	6396	N/A
2	6/3/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	6324	123913
3	6/3/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	6396	123934
4	6/3/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	6210	N/A
1	6/4/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	6324	N/A
2	6/4/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	5576	N/A
3	6/4/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	6324	N/A
1	6/5/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	5989	123974
1	6/7/2013	Petroleum-Contaminated Water	Clean Water of NY, Inc.	349	124023

Total	**59125**

Notes
1. About 2,000 gallons of the 2,966 gallons removed on 5/23/2013 was determined to be product.

FIGURE



LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE TAX LOT BOUNDARY
- AST — REMAINING, INACTIVE ABOVEGROUND STORAGE TANK (AST)
- AST — FORMER AST LOCATION (REMOVED)
- SUMP

NOTES

1. SEVEN ASTS ON LOT 8 ASSOCIATED WITH PBS #2-610379 AND NYSDEC SPILL 13-00212. LOCATIONS AND SIZES OF ASTS ARE APPROXIMATE.
2. BASE MAP SOURCE: SURVEY BY NY LAND SURVEYOR, P.C. (MARCH 23, 2013)

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

30 0 15 30
SCALE IN FEET

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project	Drawing Title	Project No. 170215701	Figure No.
WEST & LEROY BLOCK No. 601, LOT Nos. 1,4,5,8,10 NEW YORK NEW YORK	SITE PLAN	Date 6/18/2013 Scale 1" = 30' Drawing By GW Submission Date 6/20/2013	1 Sheet 1 of 1

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ATTACHMENT 1
PHOTOGRAPHS OF REMEDIAL ACTIVITIES

Closure of NYSDEC Spill No.: 1300212
West & Leroy
Photographs of Remedial Activities
May 23, 2013 – June 10, 2013

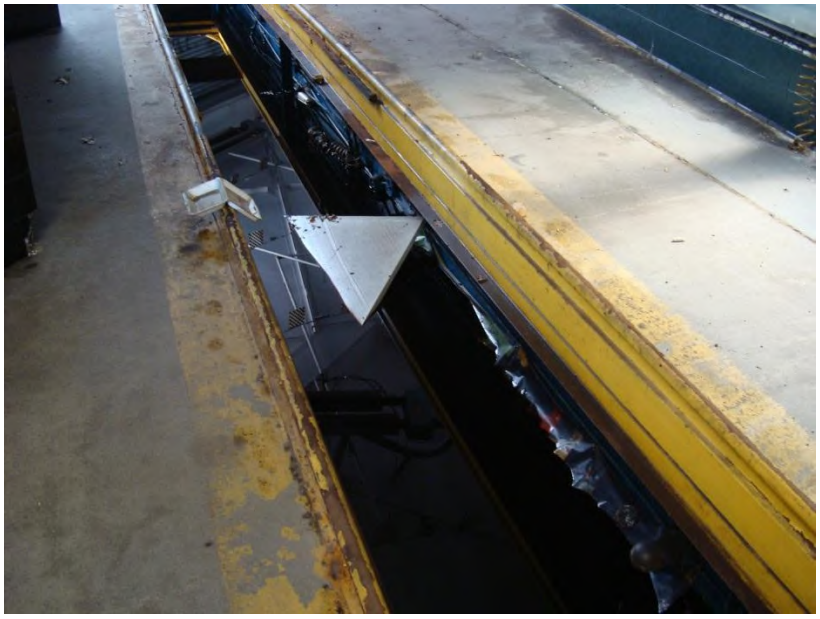

Photo 1: View of Oil Change Pit Pre-Emergency Spill Response
(5/23/2013)

Photo 2: View of Absorbent Pads on Oil Surface
(5/23/2013)

Photo 3: View of Oil/Water Recovery Operations
(5/29/2013)

Photo 4: View of Oil/Water Recovery Operations
(5/29/2013)

Photo 5: View of Absorbent Pad Collection
(6/3/2013)

Photo 6: View of W.J. Lauer Corp Vacuum Truck
(6/3/2013)

Photo 7: View of Partial Basement after Oil/Water Recovery Operations (6/3/2013)

Photo 8: View of Oil Change Pit and Two 1,000-gallon ASTs (6/4/2013)

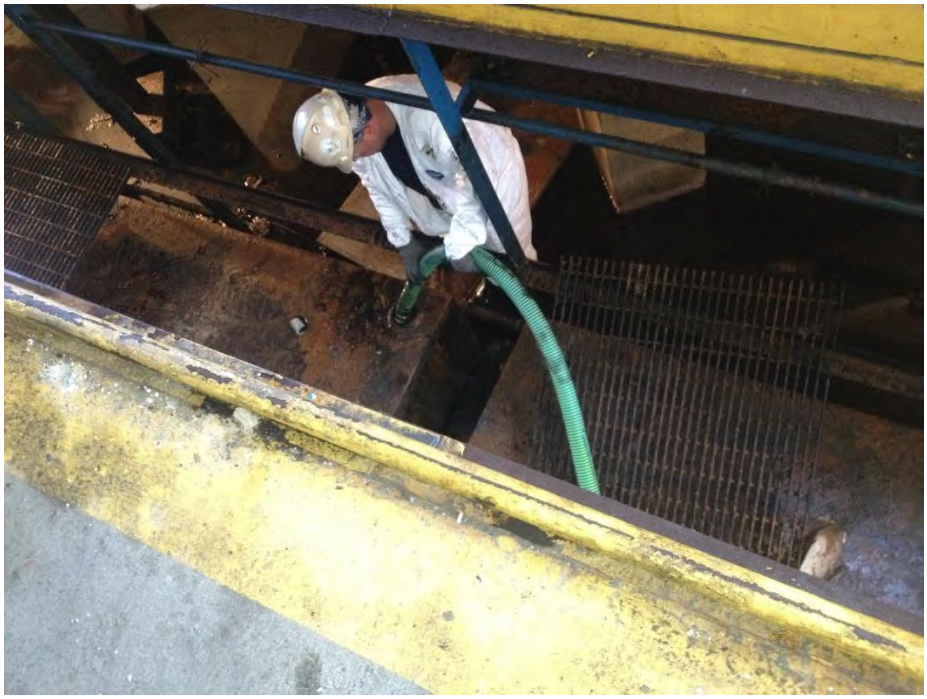

Photo 9: Brookside Pumping Petroleum-Contaminated Water from AST in Oil Change Pit (6/5/2013)

Photo 10: Brookside Removing 1,000-gallon AST (6/6/2013)

Photo 11: View of the Sump Pit in the AST Tank Room
(6/6/2013)

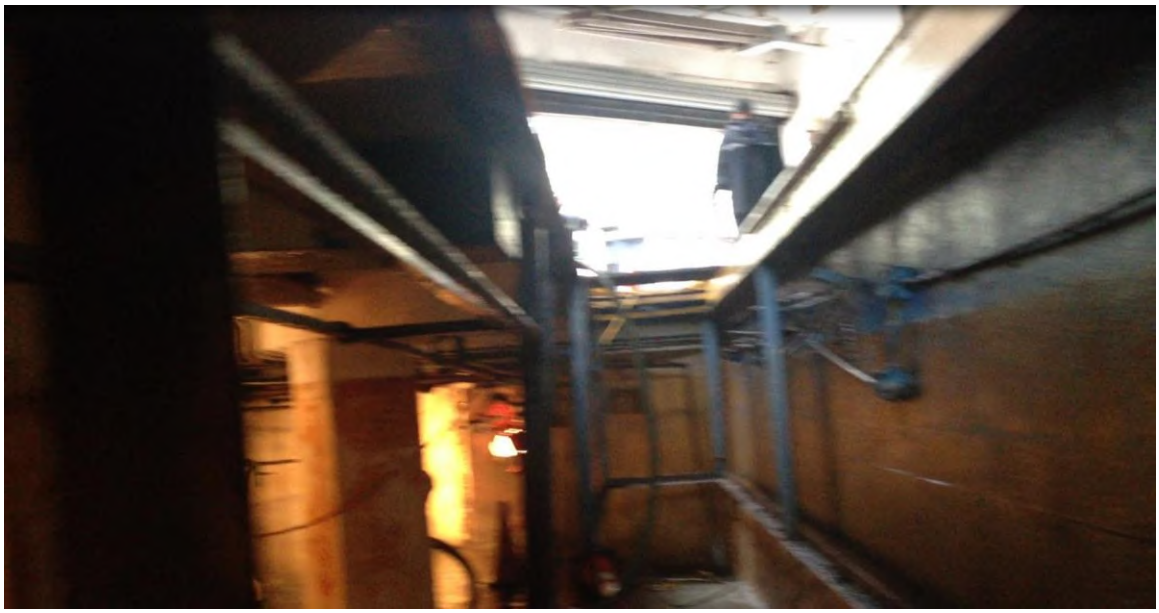

Photo 11: View of Oil Change Pit after Power-washing / Cleaning
(6/7/2013)

Photo 12: View of Partial Basement Interior after Power-washing / Cleaning (6/7/2013)

ATTACHMENT 2
DISPOSAL MANIFESTS

NON-HAZARDOUS WASTE MANIFEST

Please type or print.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Doc. No. 1 2 3 7 7 7 | 2. Page 1 of 1

3. Generator's Name and Mailing Address

359 WEST STREET
NEW YORK, NY 10014

A. Generator's Site Address (if different)

SAME

4. Generator's Telephone Number ( )

5. Transporter 1 (Company Name) — William J. Lauer Corp.

6. US EPA ID Number — N Y R 0 0 0 1 5 7 6 4 4

B. State Transporter's ID — 2A -531

C. Transporter 1 Telephone (718) 981-8500

7. Transporter 2 (Company Name)

8. US EPA ID Number

D. State Transporter's ID

E. Transporter 2 Telephone ( )

9. Designated Facility Name and Site Address
Clean Water Of New York, Inc.
3249 Richmond Terrace
Staten Island, NY 10303

10. US EPA ID Number — N Y 0 0 0 0 9 6 8 5 4 5

F. State Facility ID

G. Facility Telephone (718) 981-4600

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number	12. Containers Number	Type	13. Total Quantity	14. Unit Wt / Vol	H. Waste No.	
a. NON RCRA NON DOT REGULATED LIQUIDS	001	TT	2966	G	EPA	None
					STATE	N018
b.					EPA	
					STATE	
c.					EPA	
					STATE	
d.					EPA	
					STATE	

I. Additional Description for Materials listed Above
237-028 - Oily Water
a. c.
b. d.

J. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information

Tr/TI # - VAC # WM6

24 Hour Emergency Telephone (877)319-0800

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: As Agent for generator X Nicholas Holdener — Signature: As Agent for generator X Nicholas Holdener — Mo. Day Year 05 23 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GABINO VILLEGAS — Signature: Gabino Villegas — Mo. Day Year 05 23 13

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Mo. Day Year 05 23 13.

TRANSPORTER #1

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone: (877) 319-0800

4. Waste Tracking Number

5. Generator's Name and Mailing Address
APMM Lerge, LLC
60 Columbus Circle, 20th Fl New York, NY 10023

Generator's Site Address (if different than mailing address)
359 West Street (Lot 10)
New York, NY 10014

Generator's Phone:

6. Transporter 1 Company Name
WILLIAM J. LAUER CORP.

U.S. EPA ID Number
NYR000157644

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLEAN WATER OF NEW YORK, INC.
3249 RICHMOND TERRACE - STATEN ISLAND, NY 10303

U.S. EPA ID Number
NY0000968545

Facility's Phone: (718) 981-4600

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON DOT NON RCRA Petroleum Contaminated Water	001	TT	6771	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Brookside Environmental
359 West Street
Manhattan New York
IN - 6:15 AM
STAR VACCUM - 7:20 AM
OUT - 1:15 PM
WM #504
VAC #53
Sal 0123842

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Paul McMahon Licensed as an Authorized agent on behalf of APMM Lerge, LLC
Signature:
Month 05 Day 29 Year 13

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GABINO VILLEGAS
Signature:
Month 05 Day 29 Year 13

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month 05 Day 29 Year 13

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone: (877) 319-0800

4. Waste Tracking Number

5. Generator's Name and Mailing Address: AMM LeRoy LLC
60 Columbus Circle 2 Flor
New York NY 10023

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: WILLIAM J. LAUER CORP.

U.S. EPA ID Number: NYR000157644

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLEAN WATER OF NEW YORK, INC.
3249 RICHMOND TERRACE - STATEN ISLAND, NY 10303

U.S. EPA ID Number: NY0000968545

Facility's Phone: (718) 981-4600

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON DOT NON RCRA Petroleum Contaminated Water	001	TT	6396	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Brookside Environmental
354 West Street
Manhattan New York
IN - 11:45 AM
Out - 12:30 PM
WM#504
Unit#53
Job# 0123928

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Richard V. Taylor - As Authorized Agent
Signature
Month 06 Day 03 Year 13

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GABINO VILLEGAS
Signature
Month 06 Day 03 Year 13

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Mcedy
Signature: Mcedy
Month 6 Day 3 Year 13

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone: (877) 319-0800

4. Waste Tracking Number

5. Generator's Name and Mailing Address: APMM Leroy LLC, 60 Columbus Circle, 20th Flr, New York, NY 10023

Generator's Site Address (if different than mailing address): 359 West Street, New York, NY

Generator's Phone:

6. Transporter 1 Company Name: WILLIAM J. LAUER CORP.

U.S. EPA ID Number: NYR000157644

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address: CLEAN WATER OF NEW YORK, INC., 3249 RICHMOND TERRACE - STATEN ISLAND, NY 10303

U.S. EPA ID Number: NY0000968545

Facility's Phone: (718) 981-4600

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON DOT NON RCRA Petroleum Contaminated Water	001	TT	6396	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Brookside Environmental, 359 West Street, Manhattan New York

IN - 6:15 AM
Out - 8:00 AM

WM #504
VAC #53
Tel # 0123914

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Richard N. Taylor - As Authorized Agent

Signature: Richard N. Taylor

Month Day Year: 06 03 13

15. International Shipments: ☐ Import to U.S. ☐ Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GABINO VILLEGAS

Signature: Gabino Villegas

Month Day Year: 06 03 13

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year: 06 03 13

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone: (877) 319-0800

4. Waste Tracking Number: 063 0123913

5. Generator's Name and Mailing Address: Various Generators
355 West 55
Manhattan NY

Generator's Site Address (if different than mailing address): APMM Leroy LLC
60 Columbus Circle
New York, NY 10023

Generator's Phone:

6. Transporter 1 Company Name: WILLIAM J. LAUER CORP.

U.S. EPA ID Number: NYR000157644

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLEAN WATER OF NEW YORK, INC.
3249 RICHMOND TERRACE - STATEN ISLAND, NY 10303

U.S. EPA ID Number: NY0000968545

Facility's Phone: (718) 981-4600

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non-DOT - None - RCRA Waste oily Water For Recycling	001	TT	6324	Gal
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
T. 507
VOC 55
Brookside Environmental

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Richard V. Taylor - As Authorized Agent

Signature: Richard V. Taylor

Month 06 Day 03 Year 13

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Noel Perez

Signature

Month 6 Day 3 Year 13

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month 06 Day 03 Year 13

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone: (877) 319-0800

4. Waste Tracking Number: UOB 0123934

5. Generator's Name and Mailing Address: ~~Various Generator~~ 359 West St NYC

Generator's Site Address (if different than mailing address): APMM Leroy LLC, 60 Columbus Circle, New York, NY 10023

Generator's Phone:

6. Transporter 1 Company Name: WILLIAM J. LAUER CORP.

U.S. EPA ID Number: NYR000157644

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address: CLEAN WATER OF NEW YORK, INC., 3249 RICHMOND TERRACE - STATEN ISLAND, NY 10303

U.S. EPA ID Number: NY0000968545

Facility's Phone: (718) 981-4600

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non-Dot - Non RCRA Only Water For Recycling	001	T	6210	Gal 55"
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

T 103

V 6

Brookside Environmental

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Richard V. Taylor - As Authorized Agent

Signature: Richard V. Taylor

Month Day Year: 06 03 13

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Noel Perez

Signature:

Month Day Year: 6 3 13

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year: 06 03 13

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone: (877) 319-0800

4. Waste Tracking Number

5. Generator's Name and Mailing Address: APMM LeRoy LLC, 60 Columbus Circle 2 Flor, New York NY 10023

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: WILLIAM J. LAUER CORP.

U.S. EPA ID Number: NYR000157644

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address: CLEAN WATER OF NEW YORK, INC., 3249 RICHMOND TERRACE - STATEN ISLAND, NY 10303

U.S. EPA ID Number: NY0000968545

Facility's Phone: (718) 981-4600

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. NON DOT NON RCRA Petroleum Contaminated Water	001	TT	5576	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

Brookside Environmental
359 West Street
Manhattan New York

Wm#504
VAC#53
#5050123954

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X As Agent for Generator Nicholas Holdenor

Signature: X As Agent for generator Nicholas Holdenor

Month 06 Day 04 Year 13

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GABINO VILLEGAS

Signature: Gabino Villegas

Month 06 Day 04 Year 13

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month 06 Day 04 Year 13

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone: (877) 319-0800

4. Waste Tracking Number

5. Generator's Name and Mailing Address: APMM Lenoy LLC, 60 Columbus Circle 2 Flor, New York NY 10023

Generator's Site Address (if different than mailing address): 359 West Street, New York, NY

Generator's Phone:

6. Transporter 1 Company Name: WILLIAM J. LAUER CORP.

U.S. EPA ID Number: NYR000157644

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address: CLEAN WATER OF NEW YORK, INC., 3249 RICHMOND TERRACE - STATEN ISLAND, NY 10303

U.S. EPA ID Number: NY0000968545

Facility's Phone: (718) 981-4600

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON DOT NON RCRA Petroleum Contaminated Water	001	TT	6324	G
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

Brookside Environmental, 359 West street, Manhattan New York

IN - 6:30 AM

out - 7:45 AM

Wm#604 VAC#53 Job#0123947

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: X Richard V. Taylor - As Authorized Agent

Signature: X Richard V. Taylor

Month 06 Day 04 Year 13

15. International Shipments: ☐ Import to U.S. ☐ Export from U.S.

Port of entry/exit:

Transporter Signature (for exports only):

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GABINO VILLEGAS

Signature: Gabino Villegas

Month 06 Day 04 Year 13

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Michael Keddy

Signature: M Keddy

Month 6 Day 4 Year 13

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

169-BLS-C 5 11979 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

Please type or print.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: N / A

Manifest Doc. No.: 1 2 3 9 7 4

2. Page 1 of: 1

3. Generator's Name and Mail:

359 WEST STREET
NEW YORK, NY 10014

A. Generator's Site Address (if different): SAME

4. Generator's Telephone Number ( )

5. Transporter 1 (Company Name): William J. Lauer Corp.

6. US EPA ID Number: N Y R 0 0 0 1 5 7 6 4 4

B. State Transporter's ID: 2A -531

C. Transporter 1 Telephone (718) 981-8500

D. State Transporter's ID

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. Transporter 2 Telephone ( )

F. State Facility ID

9. Designated Facility Name and Site Address:
Clean Water Of New York, Inc.
3249 Richmond Terrace
Staten Island, NY 10303

10. US EPA ID Number: N Y 0 0 0 0 9 6 8 5 4 5

G. Facility Telephone (718) 981-4600

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number	12. Containers Number	Type	13. Total Quantity	14. Unit Wt / Vol	H. Waste No.
a. NON HAZARDOUS NON DOT REGULATED LIQUIDS	001	TT	5989	G	STATE N018
b.					STATE
c.					STATE
d.					STATE

I. Additional Description for Materials listed Above
237-028 Oily Water

J. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24 Hour Emergency Telephone # (877)319-0800

Tr/TI # - VAC #55

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: As Agent for Generator. William Ryan. Signature: Mo. Day Year 06 05 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Federico Mancino Signature: Mo. Day Year 06 05 13

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19
Printed/Typed Name Signature Mo. Day Year 06 05 13.

ORIGINAL - RETURN TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

Please type or print.

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: N / A

Manifest Doc No: 1 2 4 0 2 3

2. Page 1 of: 1

3. Generator's Name and Mailing Address:

359 WEST STREET
NEW YORK, NY 10014

A. Generator's Site Address (if different): SAME

4. Generator's Telephone Number ( )

5. Transporter 1 (Company Name): William J. Lauer Corp.

6. US EPA ID Number: N Y R 0 0 0 1 5 7 6 4 4

B. State Transporter's ID: 2A -531

C. Transporter 1 Telephone (718) 981-8500

7. Transporter 2 (Company Name)

8. US EPA ID Number

D. State Transporter's ID

E. Transporter 2 Telephone ( )

9. Designated Facility Name and Site Address:
Clean Water Of New York, Inc.
3249 Richmond Terrace
Staten Island, NY 10303

10. US EPA ID Number: N Y 0 0 0 0 9 6 8 5 4 5

F. State Facility ID

G. Facility Telephone (718) 981-4600

GENERATOR

11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt / Vol	H. Waste No.
a. NON HAZARDOUS NON DOT REGULATED LIQUIDS	001	TT	349	G	STATE N018
b.					STATE
c.					STATE
d.					STATE

I. Additional Description for Materials listed Above
237-028 Oily Water

J. Handling Codes for Wastes Listed Above

a. c. a c

b. d. b. d.

15. Special Handling Instructions and Additional Information

24 Hour Emergency Telephone # (877)319-0800 Tr/TI # - WM-6

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Agent for Generator William Ryan

Signature

Mo. Day Year: 06 07 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Federico Mancino

Signature

Mo. Day Year: 06 07 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Mo. Day Year: 06 07 13

TRANSPORTER #1

Site Manager

PHONE: 631.608.8810
FAX: 631.608.8811

BROOKSIDE ENVIRONMENTAL
www.brooksideweb.com

Transporter Permit #1A-644
EPA ID #NYR000081661
BIC # 2935

NON-HAZARDOUS MANIFEST

1. Customer's US EPA ID NO: Not Required
Document No: BEI 61413-2
2. Page 1

3. Customer's Name and Mailing Address: APMM Leroy, LLC
60 Columbus Circle, 2nd Flr
New York, NY 10023
4. Phone: 212-479-5559

A. Document Number: BEI 61413-2
B. State ID: 359 West Street New York, NY

5. Transporter 1 Company Name: Allstate Power Vac
6. US EPA ID Number: NJD 000381204 7
C. State Transporter's ID
D. Transporter's Phone: 718-456-7779

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address: Cycle Chem, Inc.
217 South First Street
Elizabeth, New Jersey 07206
10. US EPA ID Number: NJD002200046
G. State Facility's ID
H. Facility's Phone: 908-355-5800

GENERATOR

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L. Waste No.
a.	Waste Petroleum Mixture, solid NON-RCRA/NON-DOT Hazardous	001	CM	30	Y	
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a) Debris with motor and lube oil

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
TRK#R046 BOX # 49-30
LIC # AJ139N-NJ-DECAL # 01120 DECAL # 05144

16. CUSTOMER CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed / Type Name: Richard V. Taylor - As Authorized Agent
Signature: Richard V. Taylor
DATE: Month 06 Day 14 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed / Type Name: X JOSE SILVA
Signature: X
DATE: Month 06 Day 14 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed / Type Name
Signature
DATE: Month Day Year

FACILITY

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in item 19.

Printed / Typed Name
DATE: Month Day Year

#081299

Allstate power-vac

INDUSTRIAL / ENVIRONMENTAL SERVICES
1-718-456-7779

02- 055646

DATE 6-14-13.

JOB # 02-01768

CLIENT Con Edison.

BILLING ADDRESS
222 Ocean Ave.
Copiague NY

JOB LOCATION 359 West St corner of West + Lewis

CONTACT: Dick 631-608-8810

JOB DESCRIPTION: Roll OF Pick UP

LABOR:

CODE#	NAME	TITLE	Start	Finish	COMMENTS:
	IGNACIO ESPARZA	SUP	0600		
	JOSE SILVA	OP	0500		PICK UP
					OPEN BOX
					30Y
					OFF SITE 0730

CODE#	QTY	EQUIPMENT:
		VAC TRUCK, ST ☐SS ☐CS ☐DB
		VAC TRUCK, TR ☐SS ☐CS ☐DB
		TRACTOR
		TURBO VAC ☐ Bag House
		MASTER VAC ☐ Bag House
		VACTOR ☐ Bag House
		RESPONSE TRUCK ☐ Lift Gate
		BOX TRUCK ☐ 15' ☐ 40'
		STAKE Body ☐ 12' ☐ 25'
	1	UTILITY TRUCK VN13 ☐ Lt. ☐ Med. ☐ Heavy
		ROLL OFF BOX Drop ☐ Pick-up Fee ☐
	1	VAC BOX 49×30 Drop ☐ Pick-up Fee ☐
		FRAC TANK Drop ☐ Pick-up Fee ☐
	1	ROLL-OFF TRUCK RO 46
		WATERBLASTER ☐10k ☐ 40k
		PRESSURE WASHER ☐ Hot ☐ Cold

CODE #	QTY	SAFETY EQUIPMENT:
8500	2	PPE Sets ☐A ☐B ☑C
		LEL/O_2 METER
		CONFINED SPACE GEAR
		COPUS fan/blower ☐ Elec. ☐ Air
		MATERIAL:
		SPEEDI DRI
		DRUM ☐ Liquid ☐ Solid
		POLY SHEETING (Roll)
		TRASH BAG (Roll 6 mil)
		SORBENT PADS (BL.)
		SORBENT BOOM (BL.) ☐ 5" ☐ 8"
		SORBENT SWEEP (BL.)
		SORBENT SNARE (BL.) ☐ Single ☐ on a rope
		FLEX HOSE ☐ 4" ☐ 6"
		DUCT TAPE
		WATER BOND

Manifest #	Waste Description	Facility	QTY
BEI 6141 3>2	PETROLEUM MIXTURE SOLID	CILLO CHEM	30Y

CUSTOMER:

SIGNATURE: X Nicholas Holdener

Signature is client's acceptance of labor, equipment, inventory, and general terms and conditions as stated on the reverse side.

Print Name: Nicholas Holdener

Title: Environmental Specialist

Date: 6/14/13

SOR ☐ Job Complete ☐ Job Incomplete

CUSTOMER ☐ Satisfactory ☐ Unsatisfactory

...ditions listed on the rev...

ATTACHMENT 3
SPILL CLOSURE DOCUMENTATION

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Spill Incidents Database Search Details

Spill Record

Administrative Information

DEC Region: 2
Spill Number: 1300212

Spill Date/Time

Spill Date: 04/08/2013 **Spill Time:** 08:00:00 AM
Call Received Date: 04/08/2013 **Call Received Time:** 10:36:00 AM

Location

Spill Name: VACANT COMMERCIAL BLDG
Address: 359 WEST ST
City: MANHATTAN **County:** NEW_YORK

Spill Description

Material Spilled	Amount Spilled	Resource Affected
Motor Oil	3000.00 Gal.	Soil

Cause: Storm
Source: Commercial/Industrial
Waterbody:

Record Close

Date Spill Closed: 06/12/2013

"Date Spill Closed" means the date the spill case was closed by the case manager in the Department of Environmental Conservation (the Department). The spill case was closed because either; a) the records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or b) the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The Department however reserves the right to require additional remedial work in relation to the spill, if in the future it determines that further action is necessary.

If you have questions about this reported incident, please contact the Regional Office where the incident occurred.
Refine Current Search

ATTACHMENT 2

SOIL BORING LOGS

LANGAN

Log of Boring **SB-A1** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 / Date Finished: 3/16/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 12 ft / Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First N/A / Completion / 24 HR.
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Daybi Pacheco
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Depth Scale	Sample Description	Sample Data: Number	Type	Recov. (in)	Penetr. resist.	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
0	Reinforced CONCRETE slab						09:00 - Start jackhammering concrete slab
	Bn. loose f to c SAND, so. gravel and crushed brick (moist)					0.0	09:30 - Start advancing boring
1						0.0	RUN #1 (0.5-4')
						0.0	09:50 - Collect grab sample SB-A1_3-4'
2	Bn. med-dense m SAND (moist)	1	CORE BARREL	20		0.0	
	Dk. bn. med-dense f silty SAND, tr. gravel and metal fragments (wet)						
3	Grey loose crushed CEMENT (wet)						10:10 - Collect composite sample COMP-A_0-6
4	Grey crushed CONCRETE, so. gravel (moist)						RUN #2 (4-8')
						0.0	
5	Bn. med-dense silty SAND, 3" lense of bn. c sand (wet)					0.0	
						0.1	
6	Bn. dense silty f SAND, tr. gravel (moist)	2	CORE BARREL	48		0.1	
7						0.1	
						0.1	
8						0.1	
							RUN #3 (8-12')
9							
10		3	CORE BARREL	15			10:15 - Collect composite sample COMP-A_6-12
11	Bn. med-dense f silty SAND (moist)					0.0	
						0.0	10:00 - Collect grab sample SB-A1_11-12'
12						0.0	
							10:00 - End of boring at 12 feet bgs. Advanced offset boring approx. 6 inches north of original location at 13:00 to collect additional recovery for grab samples SB-A1_3-4' and SB-A1_11-12'.
13							
14							
15							

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Log of Boring **SB-A2** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 / Date Finished: 3/16/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 12 ft / Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First N/A / Completion / 24 HR.
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Daybi Pacheco
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Depth Scale	Sample Description	Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
0	Reinforced CONCRETE slab						08:20 - Start jackhammering concrete slab
	Bn. loose f to m SAND, tr. gravel and crushed brick (moist)						08:50 - Start advancing boring
1	Grey loose f to m SAND, tr. gravel (moist)					0.0	RUN #1 (0.5-4')
	Lt. bn. m to c SAND and crushed BRICK (moist)					0.0	
	Black loose f COAL (moist)					0.0	
2	Bn. med-dense f to m silty SAND, tr. gravel (moist)	1	CORE BARREL	36		0.0	
	White-grey loose crushed quartzite GRAVEL (dry)					0.0	
3	Bn. loose f to m SAND, so. gravel (moist)					0.0	10:10 - Collect composite sample COMP-A_0-6
						0.0	
4							RUN #2 (4-8')
5							
6		2	CORE BARREL	20		0.0	
	Grey loose crushed quartzite GRAVEL (moist)					0.0	
7	Alternating 2-3" layers of black loose COAL, white loose crushed quartzite GRAVEL, and bn. loose f to c SAND and GRAVEL (moist)					0.0	
						0.0	
8							RUN #3 (8-12')
9						0.0	
	Bn. to black loose f to m SAND, so. crushed coal, tr. gravel (moist)					0.0	
10	Grey loose crushed quartzite GRAVEL (moist)						
	Bn. med-dense f silty SAND, tr. gravel (moist)	3	CORE BARREL	36		0.0	10:15 - Collect composite sample COMP-A_6-12
11						0.0	
						0.0	
12						0.0	
						0.0	09:20 - End of boring at 12 feet bgs.
13							
14							
15							

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Log of Boring **SB-B1** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 / Date Finished: 3/16/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 12 ft / Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 10 / Completion ▼ / 24 HR. ▼
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Daybi Pacheco
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist.	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
Reinforced CONCRETE slab	0						09:30 - Start jackhammering concrete slab
Grey loose f SAND (dry)	1					0.0	10:40 - Start advancing boring
Bn. to black loose SAND, so. coal, silt, crushed cement, tr. ceramic fragments (moist)	2	1	CORE BARREL	29		0.0	RUN #1 (0.5-4')
	3					0.0	11:15 - Collect composite sample COMP-B_0-6
	4						RUN #2 (4-8')
Rd. bn. to dk. bn. loose m to c SAND, tr. gravel, cement, and crushed brick (moist)	5					0.0	
Bn. to dk. bn. dense f silty SAND, tr. c sand (moist)	6	2	CORE BARREL	44		0.1	
Lt. bn. dense f silty SAND, tr. gravel (moist)	7					0.4	
	8					0.0	RUN #3 (8-12')
Bn. to dk. bn. med-dense f silty SAND, tr. black c sand (petroleum-like odor) (moist)	9					0.0	
	10	3	CORE BARREL	40		2.4	11:30 - Collect composite samples COMP-B_6-12 and COMP_DUP01_031615
Bn. to black med-dense f to m silty SAND (petroleum-like odor) (saturated)	11					134.1	11:15 - Collect grab samples SB-B1_10-11' and WC_DUP01_031615
	12					27.0	10:55 - End of boring at 12 feet bgs.
	13						
	14						
	15						

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Log of Boring **SB-B2** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 / Date Finished: 3/16/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 12 ft / Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 9 / Completion ▼ / 24 HR. ▼
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Daybi Pacheco
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Depth Scale	Sample Description	Sample Data: Number	Type	Recov. (in)	Penetr. resist.	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
0	CONCRETE slab					0.0	09:00 - Start jackhammering concrete slab
1	Bn. to grey loose f to c SAND and CEMENT, tr. crushed brick (moist)					0.0	10:20 - Start advancing boring
	Dk. bn. loose f to m SAND, tr. coal and crushed brick (moist)					0.0	RUN #1 (0.5-4')
2		1	CORE BARREL	30		0.0	10:50 - Collect grab sample SB-B2_1-2'
						0.0	
3	Bn. f SAND, tr. silt (moist)					0.0	11:15 - Collect composite sample COMP-B_0-6
						0.0	
4						0.0	RUN #2 (4-8')
5	Lt. bn. to grey loose f to c SAND, so. crushed quartzite gravel, tr. brick and glass fragments (moist)					0.0	
						0.0	
6	Lt. bn. dense f silty SAND (moist)	2	CORE BARREL	45		0.0	
7						0.0	
						0.0	
8						0.0	RUN #3 (8-12')
9	Bn. dense f to m SAND, tr. silt (saturated)					0.0	
						0.0	
10		3	CORE BARREL	36		0.0	11:30 - Collect composite samples COMP-B_6-12 and COMP_DUP01_031615
11						0.0	
						0.0	
12						0.0	10:35 - End of boring at 12 feet bgs.
13							
14							
15							

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Log of Boring **SB-C1** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 / Date Finished: 3/16/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 12 ft / Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First 11 / Completion / 24 HR.
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Daybi Pacheco
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Depth Scale	Sample Description	Number	Type	Recov. (in)	Penetr. resist.	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
0	Reinforced CONCRETE slab						10:30 - Start jackhammering concrete slab
1	Grey to bn. loose f to c SAND, so. crushed brick and gravel, tr. coal, cement, and ceramic fragments (moist)					0.0	11:05 - Start advancing boring
						0.0	RUN #1 (0.5-4')
2		1	CORE BARREL	24		0.0	
						0.0	
3							12:55 - Collect composite sample COMP-C_0-6
4						0.0	RUN #2 (4-8')
5	Grey to bn. loose f to c SAND, tr. silt, gravel, and crushed brick (moist)					0.0	
						0.0	
6	Rd. bn. to bn. f silty SAND, tr. gravel and crushed brick (moist)	2	CORE BARREL	44		0.0	
						0.0	
7	Bn. dense f silty SAND (unidentified odor) (moist)					0.0	12:15 - Collect grab sample SB-C1_7-8'
8						0.0	
						0.0	RUN #3 (8-12')
9							
10	Lt. bn. dense m to c silty SAND, tr. gravel (saturated)	3	CORE BARREL	24		0.0	13:00 - Collect composite sample COMP-C_6-12
11						0.0	
						0.0	
12						0.0	
							11:25 - End of boring at 12 feet bgs.
13							
14							
15							

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Log of Boring **SB-C2** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 / Date Finished: 3/16/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 12 ft / Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed - / Undisturbed - / Core -
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 11 / Completion ▼ / 24 HR. ▼
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Daybi Pacheco
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Depth Scale	Sample Description	Number	Type	Recov. (in)	Penetr. resist. Blows/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
0	Reinforced CONCRETE slab						11:00 - Start jackhammering concrete slab
1	Dk. bn. loose f to m SAND, so. crushed concrete (moist)					0.0	12:30 - Start advancing boring
						0.0	RUN #1 (0.5-4')
2	Lt. bn. med-dense f to m SAND, so. gravel, tr. crushed concrete and micaceous rock fragments (moist)	1	CORE BARREL	38		2.0	12:45 - Collect grab sample SB-C2_2-3'
						0.9	
3	Black crushed COAL (moist)					2.0	12:55 - Collect composite sample COMP-C_0-6
	Bn. loose f to m SAND (moist)					0.1	
4	Bn. loose m to c SAND, so. crushed brick and concrete, tr. gravel (moist)					2.2	RUN #2 (4-8')
5						0.0	
						0.0	
6	Bn. dense f silty SAND (moist)					0.0	
		2	CORE BARREL	48		0.0	
7						0.0	
	Olive to bn. sandy SILT (organic hydrogen sulfide odor) (moist)					0.0	
8						0.0	
	Olive to grey to dk. bn. sandy SILT (wet, saturated at ~11' bgs)					0.0	RUN #3 (8-12')
9						0.0	
						0.0	
10						0.0	
		3	CORE BARREL	45		0.0	13:00 - Collect composite sample COMP-C_6-12
11	▽					0.0	
						0.0	
12						0.0	
							12:55 - End of boring at 12 feet bgs.
13							
14							
15							

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Log of Boring **SB-D1** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 / Date Finished: 3/16/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 10 ft / Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First 9.5 / Completion / 24 HR.
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Daybi Pacheco
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist. Blows/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Reinforced CONCRETE slab	0						13:00 - Start jackhammering concrete slab
		Crushed CONCRETE (dry)	1					0.0	14:25 - Start advancing boring
		Dk. bn.med-dense f to c SAND, tr. gravel, micaceous rock fragments, crushed quartzite rock, coal (moist)	2	1	CORE BARREL	24		0.0	RUN #1 (0.5-4')
			3					0.0	15:10 - Collect composite sample COMP-D_0-5
			4						RUN #2 (4-8')
			5						
			6	2	CORE BARREL	10			
			7					0.0	
		Dk. bn.med-dense f to c SAND, so. crushed brick, tr. gravel, micaceous rock fragments, crushed quartzite rock fragments, coal (moist)	8					0.0	
		Grey to bn. loose f to m SAND, so. crushed quartzite gravel, tr. crushed brick (moist)	9	3	CORE BARREL	20		0.0	RUN #3 (8-10')
		Bn. med-dense f to m silty SAND, tr. gravel (saturated)	10					0.0	15:15 - Collect composite sample COMP-D_5-10
			11						14:45 - End of boring at 10 feet bgs.
			12						Note: Boring consisted of two attempts. The second attempt was 3 feet northeast of the first attempt. The first attempt had poor recovery in all three intervals. Composite sample COMP-D_5-10 included recovered soil from the first attempt.
			13						
			14						
			15						

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Log of Boring **SB-D2** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 / Date Finished: 3/16/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 10 ft / Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 9 / Completion ▼ / 24 HR. ▼
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Daybi Pacheco
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist.	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
Reinforced CONCRETE slab	0						13:30 - Start jackhammering concrete slab
Crushed CONCRETE and grey loose f SAND (dry)	1					0.0	14:05 - Start advancing boring
Black med-dense f to m SAND, so. crushed brick and gravel (tar-like odor) (moist)						1.1	RUN #1 (0.5-4')
Crushed GRAVEL (dry)	2	1	CORE BARREL	29		0.0	14:20 - Collect grab sample SB-D2_1-2'
Bn. loose m to c SAND and crushed BRICK (moist)						0.0	
Dk. bn. med-dense f to m SAND, tr. crushed quartzite gravel (moist)	3						15:10 - Collect composite sample COMP-D_0-5
	4						RUN #2 (4-8')
Grey loose f SAND, so. crushed quartzite gravel (moist)						0.0	
Rd. bn. to dk. bn. loose c SAND, tr. gravel (moist)	5					0.0	
						0.0	
	6	2	CORE BARREL	48		0.0	
						0.0	
	7					0.0	15:00 - Collect grab sample SB-D2_7-8'
Bn. to grey SILT, tr. clay (moist)						0.0	
	8						RUN #3 (8-10')
						0.0	
	9	3	CORE BARREL	12		0.0	15:15 - Collect composite sample COMP-D_5-10
Black loose clayey SILT (saturated)						0.0	
	10						14:20 - End of boring at 10 feet bgs.
	11						
	12						
	13						
	14						
	15						

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Log of Boring **SB-E1** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 — Date Finished: 3/17/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 12 ft — Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First 11 / Completion / 24 HR.
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: John Zinser
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Elev. (ft)	Sample Description	Number	Type	Recov. (in)	Penetr. resist. BLOWS	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Reinforced CONCRETE slab						14:00, 3/16/2015 - Start jackhammering concrete slab
	Pink to bn. med-dense f to c SAND, tr. cement, gravel, brick, mica, silt (moist)					0.0	13:05, 3/17/2015 - Start advancing boring
	Dk. bn. med-dense f to c SAND, tr. wood, micaceous rock fragments, coal, cinders, cement (moist)					0.0	RUN #1 (0.5-4')
	Crushed BRICK (moist)	1	CORE BARREL	17		0.0	
						0.0	
							13:30 - Collect composite sample COMP-E_0-6
							RUN #2 (4-8')
		2	CORE BARREL	17			
	Dk. bn. to grey med-dense f to m SAND, tr. crushed brick, gravel, wood fibers, coal (moist)					0.0	
	Crushed BRICK (moist)					0.0	
	Rd. bn. to bn. med-dense f to c SAND, tr. micaceous gravel and silt (moist)					0.0	
						0.0	RUN #3 (8-12')
		3	CORE BARREL	15		0.0	13:35 - Collect composite sample COMP-E_6-12
						0.0	
	Bn. loose c SAND, tr. silt and gravel (wet)					0.0	13:25 - Collect grab sample SB-E1_11-12'
	Bn. loose f to c SAND, so. silt, tr. gravel (saturated)					0.0	
							13:20 - End of boring at 12 feet bgs.

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15

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Log of Boring **SB-E2** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 — Date Finished: 3/17/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 13 ft — Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First 10 / Completion / 24 HR.
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: John Zinser
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Elev. (ft)	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist. BLOWS	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	Wooden deck	0						14:30, 3/16/2015 - Start demolishing raised wooden decking and jackhammering concrete slab
	VOID	1						12:40, 3/17/2015 - Start advancing boring
	CONCRETE slab						0.0	RUN #1 (1-5')
	Crushed CONCRETE (dry)						0.0	12:55 - Collect grab sample SB-E2_1-2'
	Tan to grey loose m to c SAND, tr. crushed brick and degraded cement (moist)	2					0.0	13:30 - Collect composite sample COMP-E_0-6
	Dk. bn. to black loose f to c SAND, tr. gravel and coal (moist)	3	1	CORE BARREL	25		0.0	
	Lt. bn. med-dense f silty SAND, tr. gravel, crushed brick, coal (moist)						0.0	
	Lt. bn. to dk. bn. f to m SAND, tr. silt, rounded gravel, coal, crushed brick (moist)	4						
		5						RUN #2 (5-9')
		6						
		7	2	CORE BARREL	20			
	Lt. bn. to grey to dk. bn. f to m SAND, tr. silt and coal (moist)	8					0.0	
	Lt. bn. to dk. bn. SILT, so. sand, tr. clay, cinders, gravel (moist)						0.0	
		9					0.0	
	Mottled rd. bn. to grey to tan med-dense f to c SAND, tr. rounded gravel and micaceous rock fragments (moist)							RUN #3 (9-13')
		10						
		11						13:35 - Collect composite sample COMP-E_6-12
	Rd. bn. to lt. bn. loose c SAND, tr. gravel and silt (saturated)		3	CORE BARREL	27		0.0	
		12					0.0	
	Olive to lt. bn. med-dense SILT, tr. f sand and micaceous rock fragments (wet)						0.0	12:50 - End of boring at 13 feet bgs.
		13					0.0	
	Bn. to dk. bn.to grey SILT, tr. clay and wood fibers (wet)							
		14						
		15						Note: Boring consisted of three attempts. The first attempt was abandoned after demolition of 12 inches of concrete. The second attempt was 4 feet west-southwest of the first attempt, and had poor recovery. Successful boring SB-E2 was 4 feet west of the first attempt. was collected from the first attempt and sample SB-5_6-7 was collected from the second attempt.
		16						
		17						
		18						
		19						
		20						

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Log of Boring **SB-F1** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/17/15 — Date Finished: 3/17/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 15 ft — Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed - — Undisturbed - — Core -
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 7 — Completion ▼ — 24 HR. ▼
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: John Zinser
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist. Blows/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		CONCRETE slab	0						
		Crushed CONCRETE (dry) [FILL]	1					0.1	19:00 - Start jackhammering concrete slab
		Grey to lt. bn. loose f to c SAND, so. slag, tr. coal and gravel (moist) [FILL]						0.0	19:45 - Start advancing boring
		Bn. med-dense f to m SAND, tr. silt, gravel, degraded cement (moist) [FILL]	2	1	CORE BARREL	23		0.0	RUN #1 (0.66-4')
			3					0.0	
			4						RUN #2 (4-8')
			5						
		Dk. bn. to grey crushed SLAG, tr. sand and gravel (moist) [FILL]	6	2	CORE BARREL	28		0.9	
		Crushed CONCRETE (dry) [FILL]	7					1.1	
		Lt. bn. to grey loose f to m SAND, so. degraded cement, tr. gravel and micaceous rock fragments (moist) [FILL]						3.1	
		Bn. med-dense f to m SAND, so. gravel, tr. ceramic fragments, silt, and brick (wet) [FILL]	8					2.7	
		Black dense unidentifiable material (tar-like) (tar-like odor) (moist) [FILL]						4.0	RUN #3 (8-12')
		Grey to bn. to clear loose f to c GRAVEL, so. m to c sand, tr. silt (wet)	9					0.0	
		Bn. to rd. bn. med-dense f to c SAND, tr. gravel (wet)	10	3	CORE BARREL	45		0.0	
		Grey to blk. med-dense silty CLAY, tr. shell fragments (moist)	11					0.0	
			12					0.0	21:15 - Collect grab sample SB-F1_11-12'
		Bn. to grey loose f to c SAND, so. gravel, tr. silt (saturated)	13					0.0	RUN #4 (12-15')
		Bn. m to c SAND, so. grey silt (saturated)	14	4	CORE BARREL	36		0.4	23:25 - Collect composite sample COMP-F_6-12
			15					0.2	
			16					0.0	20:00 - End of boring at 15 feet bgs.
			17					0.0	
			18					0.0	
			19					0.0	
			20					0.0	

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Log of Boring **SB-F2** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/17/15 — Date Finished: 3/17/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 16 ft — Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed - — Undisturbed - — Core -
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First 7 — Completion — 24 HR.
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: John Zinser
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Depth Scale	Sample Description	Number	Type	Recov. (in)	Penetr. resist.	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
0	Reinforced CONCRETE slab						
1	Bn. to dk. bn. med-dense f to m SAND, so. slag, tr. coal (moist) [FILL]					0.1	20:00 - Start jackhammering concrete slab
2	Grey to bn. loose f to m SAND, so. degraded cement, tr. brick, gravel, coal, and silt (moist) [FILL]	1	CORE BARREL	31		0.0 0.0 0.2	20:15 - Start advancing boring RUN #1 (0.66-4') 23:15 - Collect composite sample COMP-F_0-6
3						0.0	
4							RUN #2 (4-8')
5							
6	Grey to bn. to blk. f to m SAND, tr. silt, coal, and degraded cement (moist) [FILL]	2	CORE BARREL	26			
7	Grey to white loose to dense degraded CEMENT, tr. wood, brick (wet) [FILL]					0.5 0.6	
8	Dk. bn. to blk. hard crumbly unidentifiable material (tar-like) (tar-like odor) (moist) [FILL]					3.9 24.1	RUN #3 (8-12')
9							
10		3	CORE BARREL	16			
11	Grey to bn. loose m to c SAND, so. gravel (wet)					0.0 0.0	
12	Rd. bn. to bn. med-dense f to c SAND, tr. gravel (wet)					0.0	
13	Bn. loose m to c SAND, so. f gravel (saturated)					0.0 0.0 0.0	RUN #4 (12-16')
14	Dk. bn. to blk. med-dense CLAY, tr. shell fragments (moist)	4	CORE BARREL	48		0.0 0.0	
15						0.0 0.0	22:00 - End of boring at 16 feet bgs.
16						0.0	
17						0.0	Note: Boring consisted of two attempts. The first attempt met refusal at 7 feet bgs. The second attempt was 2 feet east of the first attempt.
18							
19							
20							

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Log of Boring **SB-F3** Sheet 1 of 1

Project: 160 Leroy Street	Project No.: 170215701
Location: New York, New York	Elevation and Datum:
Drilling Company: AARCO	Date Started: 3/16/15 / Date Finished: 3/17/15
Drilling Equipment: Geoprobe 420M Remote Access	Completion Depth: 7 ft / Rock Depth: N/A
Size and Type of Bit: N/A	Number of Samples: Disturbed / Undisturbed / Core
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First N/A / Completion / 24 HR.
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: John Zinser
Sampler: 4' Macrocore	Inspecting Engineer: Patrick Farnham
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist.	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		CONCRETE slab	0						22:00 - Start jackhammering concrete slab
		White to grey to bn to black med-dense f to m SAND and varying amounts of gravel, slag, coal, glass, degraded cement, and ceramic fragments (moist)	1					0.0	22:15 - Start advancing boring
									RUN #1 (0.66-4')
								0.0	23:00 - Collect grab sample SB-F3_1-2'
			2	1	CORE BARREL	26		0.0	23:15 - Collect composite sample COMP-F_0-6
								0.0	
			3						
			4						RUN #2 (4-7')
			5						
			6	2	CORE BARREL	6		0.0	
		CONCRETE fragments, so. pink brick fragments, degraded cement, and wood (tar-like odor) (moist)	7					0.1	22:40 - End of boring; refusal at 7 feet bgs.
			8						
			9						Note: Boring consisted of three attempts. All three attempts met refusal at 7 feet bgs, with the same recoveries for each run. The second attempt was 2 feet north of the first attempt. The third attempt was 6 feet west of the first attempt. Grab sample SB-F3_1-2' was collected from the second attempt, and composite sample COMP-F_0-6 included material from the first attempt.
			10						
			11						
			12						

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ATTACHMENT 3

LABORATORY ANALYTICAL DATA REPORTS

ANALYTICAL REPORT

Lab Number:	L1504955
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Gerald Nicholls
Phone:	(212) 479-5400
Project Name:	160 LEROY
Project Number:	170215701
Report Date:	03/24/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1504955-01	SB-A1_3-4'	SOIL	160 LEROY ST., NY, NY	03/16/15 09:50	03/16/15
L1504955-02	SB-A1_11-12'	SOIL	160 LEROY ST., NY, NY	03/16/15 10:00	03/16/15
L1504955-03	COMP-A_0-6'	SOIL	160 LEROY ST., NY, NY	03/16/15 10:10	03/16/15
L1504955-04	COMP-A_6-12'	SOIL	160 LEROY ST., NY, NY	03/16/15 10:15	03/16/15
L1504955-05	SB-B2_1-2'	SOIL	160 LEROY ST., NY, NY	03/16/15 10:50	03/16/15
L1504955-06	SB-B1_10-11'	SOIL	160 LEROY ST., NY, NY	03/16/15 11:15	03/16/15
L1504955-07	COMP-B_0-6'	SOIL	160 LEROY ST., NY, NY	03/16/15 11:15	03/16/15
L1504955-08	COMP-B_6-12'	SOIL	160 LEROY ST., NY, NY	03/16/15 11:30	03/16/15
L1504955-09	SB-C2_2-3'	SOIL	160 LEROY ST., NY, NY	03/16/15 12:45	03/16/15
L1504955-10	SB-C1_7-8'	SOIL	160 LEROY ST., NY, NY	03/16/15 12:15	03/16/15
L1504955-11	COMP-C_0-6'	SOIL	160 LEROY ST., NY, NY	03/16/15 12:55	03/16/15
L1504955-12	COMP-C_6-12'	SOIL	160 LEROY ST., NY, NY	03/16/15 13:00	03/16/15
L1504955-13	SB-D2_1-2'	SOIL	160 LEROY ST., NY, NY	03/16/15 14:20	03/16/15
L1504955-14	SB-D2_7-8'	SOIL	160 LEROY ST., NY, NY	03/16/15 15:00	03/16/15
L1504955-15	COMP-D_0-5'	SOIL	160 LEROY ST., NY, NY	03/16/15 15:10	03/16/15
L1504955-16	COMP-D_5-10'	SOIL	160 LEROY ST., NY, NY	03/16/15 15:15	03/16/15
L1504955-17	WC_DUP01_031615	SOIL	160 LEROY ST., NY, NY	03/16/15 00:00	03/16/15
L1504955-18	COMP_DUP01_031615	SOIL	160 LEROY ST., NY, NY	03/16/15 00:00	03/16/15
L1504955-19	FB01_031615	WATER	160 LEROY ST., NY, NY	03/16/15 16:30	03/16/15
L1504955-20	TB01_031615	WATER	160 LEROY ST., NY, NY	03/16/15 00:00	03/16/15

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 160 LEROY **Lab Number:** L1504955
Project Number: 170215701 **Report Date:** 03/24/15

Case Narrative (continued)

Report Submission
All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics
L1504955-06 and -17 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

Semivolatile Organics
The surrogate recoveries for L1504955-15 were below the acceptance criteria for 2-fluorophenol (6%) and 2,4,6-tribromophenol (2%); however, re-extraction achieved similar results: 2-fluorophenol (10%) and 2,4,6-tribromophenol (4%). The results of both extractions are reported.
The WG769916-2 LCS recovery, associated with L1504955-19, is below the acceptance criteria for benzidine (7%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Petroleum Hydrocarbon Quantitation
L1504955-13: The surrogate recovery is below the acceptance criteria for o-terphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.
The WG769495-3 Laboratory Duplicate RPD (51%), performed on L1504955-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

Total Metals
L1504955-03, -04, -07, -08, -11, -12, -15, -16, and -18 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.
The WG768636-1 Method Blank, associated with L1504955-19, has a concentration above the reporting limit for arsenic. Since the sample was non-detect for this target analyte, no further actions were taken. The results

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Case Narrative (continued)

of the original analysis are reported.

Cyanide, Total

The WG768697-2 LCS recovery (123%), associated with L1504955-03, -04, -07, -08, -11, -12, -15, -16, and -18, is above our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 03/24/15

ORGANICS

VOLATILES

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-01
Client ID: SB-A1_3-4'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/15 11:41
Analyst: MM
Percent Solids: 86%
TCLP/SPLP Ext. Date: 03/18/15 11:36

Date Collected: 03/16/15 09:50
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	95		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-01
Client ID: SB-A1_3-4'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/18/15 16:54
Analyst: BN
Percent Solids: 86%

Date Collected: 03/16/15 09:50
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.6	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.12	1
Chloroform	ND		ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.30	1
1,2-Dichloropropane	ND		ug/kg	5.0	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.43	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.49	1
Trichlorofluoromethane	ND		ug/kg	7.1	0.55	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.16	1
Bromodichloromethane	ND		ug/kg	1.4	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.17	1
1,1-Dichloropropene	ND		ug/kg	7.1	0.20	1
Bromoform	ND		ug/kg	5.7	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.17	1
Toluene	ND		ug/kg	2.1	0.28	1
Ethylbenzene	ND		ug/kg	1.4	0.18	1
Chloromethane	ND		ug/kg	7.1	0.42	1
Bromomethane	ND		ug/kg	2.8	0.48	1
Vinyl chloride	ND		ug/kg	2.8	0.17	1
Chloroethane	ND		ug/kg	2.8	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.37	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	7.1	0.22	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-01 Date Collected: 03/16/15 09:50

Client ID: SB-A1_3-4' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	7.1	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	7.1	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.12	1
p/m-Xylene	ND		ug/kg	2.8	0.28	1
o-Xylene	ND		ug/kg	2.8	0.24	1
Xylenes, Total	ND		ug/kg	2.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.57	1
Dichlorodifluoromethane	ND		ug/kg	14	0.27	1
Acetone	5.7	J	ug/kg	14	1.5	1
Carbon disulfide	ND		ug/kg	14	1.6	1
2-Butanone	ND		ug/kg	14	0.38	1
Vinyl acetate	ND		ug/kg	14	0.19	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.35	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.23	1
2-Hexanone	ND		ug/kg	14	0.94	1
Bromochloromethane	ND		ug/kg	7.1	0.39	1
2,2-Dichloropropane	ND		ug/kg	7.1	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.7	0.25	1
1,3-Dichloropropane	ND		ug/kg	7.1	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.45	1
Bromobenzene	ND		ug/kg	7.1	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.17	1
tert-Butylbenzene	ND		ug/kg	7.1	0.19	1
o-Chlorotoluene	ND		ug/kg	7.1	0.23	1
p-Chlorotoluene	ND		ug/kg	7.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.1	0.56	1
Hexachlorobutadiene	ND		ug/kg	7.1	0.32	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.18	1
Naphthalene	3.9	J	ug/kg	7.1	0.20	1
Acrylonitrile	ND		ug/kg	14	0.73	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.1	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.1	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.1	0.20	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-01 Date Collected: 03/16/15 09:50

Client ID: SB-A1_3-4' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	7.1	0.20	1
1,4-Dioxane	ND		ug/kg	140	20.	1
p-Diethylbenzene	ND		ug/kg	5.7	0.23	1
p-Ethyltoluene	ND		ug/kg	5.7	0.18	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.7	0.18	1
Ethyl ether	ND		ug/kg	7.1	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.1	0.56	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	96		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-02
Client ID: SB-A1_11-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/15 12:14
Analyst: MM
Percent Solids: 86%
TCLP/SPLP Ext. Date: 03/18/15 11:36

Date Collected: 03/16/15 10:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-02
Client ID: SB-A1_11-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/18/15 17:21
Analyst: BN
Percent Solids: 86%

Date Collected: 03/16/15 10:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-02 Date Collected: 03/16/15 10:00

Client ID: SB-A1_11-12' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	3.9	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-02 Date Collected: 03/16/15 10:00

Client ID: SB-A1_11-12' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-05
Client ID: SB-B2_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/15 13:11
Analyst: MM
Percent Solids: 94%
TCLP/SPLP Ext. Date: 03/19/15 11:37

Date Collected: 03/16/15 10:50
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-05
Client ID: SB-B2_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/18/15 19:59
Analyst: BN
Percent Solids: 94%

Date Collected: 03/16/15 10:50
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	2000	220	1
1,1-Dichloroethane	ND		ug/kg	300	17.	1
Chloroform	ND		ug/kg	300	75.	1
Carbon tetrachloride	ND		ug/kg	200	43.	1
1,2-Dichloropropane	ND		ug/kg	710	46.	1
Dibromochloromethane	ND		ug/kg	200	31.	1
1,1,2-Trichloroethane	ND		ug/kg	300	62.	1
Tetrachloroethene	330		ug/kg	200	28.	1
Chlorobenzene	ND		ug/kg	200	71.	1
Trichlorofluoromethane	ND		ug/kg	1000	79.	1
1,2-Dichloroethane	ND		ug/kg	200	23.	1
1,1,1-Trichloroethane	ND		ug/kg	200	22.	1
Bromodichloromethane	ND		ug/kg	200	35.	1
trans-1,3-Dichloropropene	ND		ug/kg	200	24.	1
cis-1,3-Dichloropropene	ND		ug/kg	200	24.	1
1,3-Dichloropropene, Total	ND		ug/kg	200	24.	1
1,1-Dichloropropene	ND		ug/kg	1000	29.	1
Bromoform	ND		ug/kg	810	48.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	200	20.	1
Benzene	ND		ug/kg	200	24.	1
Toluene	ND		ug/kg	300	40.	1
Ethylbenzene	ND		ug/kg	200	26.	1
Chloromethane	ND		ug/kg	1000	60.	1
Bromomethane	ND		ug/kg	400	68.	1
Vinyl chloride	ND		ug/kg	400	24.	1
Chloroethane	ND		ug/kg	400	64.	1
1,1-Dichloroethene	ND		ug/kg	200	53.	1
trans-1,2-Dichloroethene	ND		ug/kg	300	43.	1
Trichloroethene	ND		ug/kg	200	25.	1
1,2-Dichlorobenzene	ND		ug/kg	1000	31.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-05 Date Collected: 03/16/15 10:50

Client ID: SB-B2_1-2' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1000	27.	1
1,4-Dichlorobenzene	ND		ug/kg	1000	28.	1
Methyl tert butyl ether	ND		ug/kg	400	17.	1
p/m-Xylene	ND		ug/kg	400	40.	1
o-Xylene	ND		ug/kg	400	35.	1
Xylenes, Total	ND		ug/kg	400	35.	1
cis-1,2-Dichloroethene	ND		ug/kg	200	29.	1
1,2-Dichloroethene, Total	ND		ug/kg	200	29.	1
Dibromomethane	ND		ug/kg	2000	33.	1
Styrene	ND		ug/kg	400	82.	1
Dichlorodifluoromethane	ND		ug/kg	2000	39.	1
Acetone	ND		ug/kg	2000	210	1
Carbon disulfide	ND		ug/kg	2000	220	1
2-Butanone	410	J	ug/kg	2000	55.	1
Vinyl acetate	ND		ug/kg	2000	27.	1
4-Methyl-2-pentanone	ND		ug/kg	2000	50.	1
1,2,3-Trichloropropane	ND		ug/kg	2000	33.	1
2-Hexanone	ND		ug/kg	2000	140	1
Bromochloromethane	ND		ug/kg	1000	56.	1
2,2-Dichloropropane	ND		ug/kg	1000	46.	1
1,2-Dibromoethane	ND		ug/kg	810	35.	1
1,3-Dichloropropane	ND		ug/kg	1000	29.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	200	64.	1
Bromobenzene	ND		ug/kg	1000	42.	1
n-Butylbenzene	ND		ug/kg	200	23.	1
sec-Butylbenzene	ND		ug/kg	200	25.	1
tert-Butylbenzene	ND		ug/kg	1000	27.	1
o-Chlorotoluene	ND		ug/kg	1000	32.	1
p-Chlorotoluene	ND		ug/kg	1000	27.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1000	80.	1
Hexachlorobutadiene	ND		ug/kg	1000	46.	1
Isopropylbenzene	ND		ug/kg	200	21.	1
p-Isopropyltoluene	ND		ug/kg	200	25.	1
Naphthalene	2200		ug/kg	1000	28.	1
Acrylonitrile	ND		ug/kg	2000	100	1
n-Propylbenzene	ND		ug/kg	200	22.	1
1,2,3-Trichlorobenzene	ND		ug/kg	1000	30.	1
1,2,4-Trichlorobenzene	ND		ug/kg	1000	37.	1
1,3,5-Trimethylbenzene	ND		ug/kg	1000	29.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-05 Date Collected: 03/16/15 10:50

Client ID: SB-B2_1-2' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	1000	29.	1
1,4-Dioxane	ND		ug/kg	20000	2900	1
p-Diethylbenzene	42	J	ug/kg	810	32.	1
p-Ethyltoluene	ND		ug/kg	810	25.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	810	26.	1
Ethyl ether	ND		ug/kg	1000	53.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	1000	80.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-06 D	Date Collected:	03/16/15 11:15
Client ID:	SB-B1_10-11'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	1,8260C		
Analytical Date:	03/18/15 20:26		
Analyst:	BN		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	1600	170	2
1,1-Dichloroethane	ND		ug/kg	240	14.	2
Chloroform	ND		ug/kg	240	58.	2
Carbon tetrachloride	ND		ug/kg	160	33.	2
1,2-Dichloropropane	ND		ug/kg	550	36.	2
Dibromochloromethane	ND		ug/kg	160	24.	2
1,1,2-Trichloroethane	ND		ug/kg	240	48.	2
Tetrachloroethene	ND		ug/kg	160	22.	2
Chlorobenzene	ND		ug/kg	160	55.	2
Trichlorofluoromethane	ND		ug/kg	790	61.	2
1,2-Dichloroethane	ND		ug/kg	160	18.	2
1,1,1-Trichloroethane	ND		ug/kg	160	17.	2
Bromodichloromethane	ND		ug/kg	160	27.	2
trans-1,3-Dichloropropene	ND		ug/kg	160	19.	2
cis-1,3-Dichloropropene	ND		ug/kg	160	18.	2
1,3-Dichloropropene, Total	ND		ug/kg	160	18.	2
1,1-Dichloropropene	ND		ug/kg	790	22.	2
Bromoform	ND		ug/kg	630	37.	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	160	16.	2
Benzene	ND		ug/kg	160	19.	2
Toluene	ND		ug/kg	240	31.	2
Ethylbenzene	ND		ug/kg	160	20.	2
Chloromethane	ND		ug/kg	790	46.	2
Bromomethane	ND		ug/kg	320	53.	2
Vinyl chloride	ND		ug/kg	320	18.	2
Chloroethane	ND		ug/kg	320	50.	2
1,1-Dichloroethene	ND		ug/kg	160	41.	2
trans-1,2-Dichloroethene	ND		ug/kg	240	33.	2
Trichloroethene	ND		ug/kg	160	20.	2
1,2-Dichlorobenzene	ND		ug/kg	790	24.	2

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-06 D Date Collected: 03/16/15 11:15

Client ID: SB-B1_10-11' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	790	21.	2
1,4-Dichlorobenzene	ND		ug/kg	790	22.	2
Methyl tert butyl ether	ND		ug/kg	320	13.	2
p/m-Xylene	ND		ug/kg	320	31.	2
o-Xylene	ND		ug/kg	320	27.	2
Xylenes, Total	ND		ug/kg	320	27.	2
cis-1,2-Dichloroethene	ND		ug/kg	160	22.	2
1,2-Dichloroethene, Total	ND		ug/kg	160	22.	2
Dibromomethane	ND		ug/kg	1600	26.	2
Styrene	ND		ug/kg	320	63.	2
Dichlorodifluoromethane	ND		ug/kg	1600	30.	2
Acetone	ND		ug/kg	1600	160	2
Carbon disulfide	ND		ug/kg	1600	170	2
2-Butanone	ND		ug/kg	1600	43.	2
Vinyl acetate	ND		ug/kg	1600	21.	2
4-Methyl-2-pentanone	ND		ug/kg	1600	38.	2
1,2,3-Trichloropropane	ND		ug/kg	1600	26.	2
2-Hexanone	ND		ug/kg	1600	100	2
Bromochloromethane	ND		ug/kg	790	44.	2
2,2-Dichloropropane	ND		ug/kg	790	36.	2
1,2-Dibromoethane	ND		ug/kg	630	28.	2
1,3-Dichloropropane	ND		ug/kg	790	23.	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	160	50.	2
Bromobenzene	ND		ug/kg	790	33.	2
n-Butylbenzene	500		ug/kg	160	18.	2
sec-Butylbenzene	2000		ug/kg	160	19.	2
tert-Butylbenzene	ND		ug/kg	790	21.	2
o-Chlorotoluene	ND		ug/kg	790	25.	2
p-Chlorotoluene	ND		ug/kg	790	21.	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	790	62.	2
Hexachlorobutadiene	ND		ug/kg	790	36.	2
Isopropylbenzene	ND		ug/kg	160	16.	2
p-Isopropyltoluene	110	J	ug/kg	160	20.	2
Naphthalene	ND		ug/kg	790	22.	2
Acrylonitrile	ND		ug/kg	1600	81.	2
n-Propylbenzene	ND		ug/kg	160	17.	2
1,2,3-Trichlorobenzene	ND		ug/kg	790	23.	2
1,2,4-Trichlorobenzene	ND		ug/kg	790	29.	2
1,3,5-Trimethylbenzene	ND		ug/kg	790	23.	2

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-06 D Date Collected: 03/16/15 11:15

Client ID: SB-B1_10-11' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	290	J	ug/kg	790	22.	2
1,4-Dioxane	ND		ug/kg	16000	2300	2
p-Diethylbenzene	870		ug/kg	630	25.	2
p-Ethyltoluene	ND		ug/kg	630	20.	2
1,2,4,5-Tetramethylbenzene	1200		ug/kg	630	20.	2
Ethyl ether	ND		ug/kg	790	41.	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	790	62.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	96		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-09
Client ID: SB-C2_2-3'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/15 13:44
Analyst: MM
Percent Solids: 96%
TCLP/SPLP Ext. Date: 03/19/15 11:37

Date Collected: 03/16/15 12:45
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	92		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-09
Client ID: SB-C2_2-3'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/18/15 17:47
Analyst: BN
Percent Solids: 96%

Date Collected: 03/16/15 12:45
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.9	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.9	0.17	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.9	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.18	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-09 Date Collected: 03/16/15 12:45

Client ID: SB-C2_2-3' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.20	1
Xylenes, Total	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	9.6	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.79	1
Bromochloromethane	ND		ug/kg	5.9	0.33	1
2,2-Dichloropropane	ND		ug/kg	5.9	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.9	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	5.9	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.9	0.16	1
o-Chlorotoluene	ND		ug/kg	5.9	0.19	1
p-Chlorotoluene	ND		ug/kg	5.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.9	0.47	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	5.9	0.16	1
Acrylonitrile	ND		ug/kg	12	0.61	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.9	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.9	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.17	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-09 Date Collected: 03/16/15 12:45

Client ID: SB-C2_2-3' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.15	1
Ethyl ether	ND		ug/kg	5.9	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	97		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-10
Client ID: SB-C1_7-8'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/18/15 18:13
Analyst: BN
Percent Solids: 85%

Date Collected: 03/16/15 12:15
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	0.65	J	ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-10 Date Collected: 03/16/15 12:15

Client ID: SB-C1_7-8' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	2.4	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-10 Date Collected: 03/16/15 12:15

Client ID: SB-C1_7-8' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-13
Client ID: SB-D2_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/15 14:17
Analyst: MM
Percent Solids: 88%
TCLP/SPLP Ext. Date: 03/19/15 11:37

Date Collected: 03/16/15 14:20
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	5.7		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-13
Client ID: SB-D2_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/18/15 20:52
Analyst: BN
Percent Solids: 88%

Date Collected: 03/16/15 14:20
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	780	86.	1
1,1-Dichloroethane	ND		ug/kg	120	6.7	1
Chloroform	ND		ug/kg	120	29.	1
Carbon tetrachloride	ND		ug/kg	78	16.	1
1,2-Dichloropropane	ND		ug/kg	270	18.	1
Dibromochloromethane	ND		ug/kg	78	12.	1
1,1,2-Trichloroethane	ND		ug/kg	120	24.	1
Tetrachloroethene	370		ug/kg	78	11.	1
Chlorobenzene	ND		ug/kg	78	27.	1
Trichlorofluoromethane	ND		ug/kg	390	30.	1
1,2-Dichloroethane	ND		ug/kg	78	8.9	1
1,1,1-Trichloroethane	ND		ug/kg	78	8.7	1
Bromodichloromethane	ND		ug/kg	78	14.	1
trans-1,3-Dichloropropene	ND		ug/kg	78	9.5	1
cis-1,3-Dichloropropene	ND		ug/kg	78	9.2	1
1,3-Dichloropropene, Total	ND		ug/kg	78	9.2	1
1,1-Dichloropropene	ND		ug/kg	390	11.	1
Bromoform	ND		ug/kg	310	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	78	7.9	1
Benzene	ND		ug/kg	78	9.2	1
Toluene	ND		ug/kg	120	15.	1
Ethylbenzene	ND		ug/kg	78	10.	1
Chloromethane	ND		ug/kg	390	23.	1
Bromomethane	ND		ug/kg	160	26.	1
Vinyl chloride	ND		ug/kg	160	9.2	1
Chloroethane	ND		ug/kg	160	25.	1
1,1-Dichloroethene	ND		ug/kg	78	20.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	17.	1
Trichloroethene	ND		ug/kg	78	9.8	1
1,2-Dichlorobenzene	ND		ug/kg	390	12.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-13 Date Collected: 03/16/15 14:20

Client ID: SB-D2_1-2' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	390	10.	1
1,4-Dichlorobenzene	ND		ug/kg	390	11.	1
Methyl tert butyl ether	ND		ug/kg	160	6.6	1
p/m-Xylene	ND		ug/kg	160	16.	1
o-Xylene	ND		ug/kg	160	13.	1
Xylenes, Total	ND		ug/kg	160	13.	1
cis-1,2-Dichloroethene	ND		ug/kg	78	11.	1
1,2-Dichloroethene, Total	ND		ug/kg	78	11.	1
Dibromomethane	ND		ug/kg	780	13.	1
Styrene	ND		ug/kg	160	32.	1
Dichlorodifluoromethane	ND		ug/kg	780	15.	1
Acetone	ND		ug/kg	780	81.	1
Carbon disulfide	ND		ug/kg	780	86.	1
2-Butanone	ND		ug/kg	780	21.	1
Vinyl acetate	ND		ug/kg	780	10.	1
4-Methyl-2-pentanone	ND		ug/kg	780	19.	1
1,2,3-Trichloropropane	ND		ug/kg	780	13.	1
2-Hexanone	ND		ug/kg	780	52.	1
Bromochloromethane	ND		ug/kg	390	22.	1
2,2-Dichloropropane	ND		ug/kg	390	18.	1
1,2-Dibromoethane	ND		ug/kg	310	14.	1
1,3-Dichloropropane	ND		ug/kg	390	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	78	25.	1
Bromobenzene	ND		ug/kg	390	16.	1
n-Butylbenzene	ND		ug/kg	78	9.0	1
sec-Butylbenzene	ND		ug/kg	78	9.6	1
tert-Butylbenzene	ND		ug/kg	390	11.	1
o-Chlorotoluene	ND		ug/kg	390	12.	1
p-Chlorotoluene	ND		ug/kg	390	10.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	390	31.	1
Hexachlorobutadiene	ND		ug/kg	390	18.	1
Isopropylbenzene	ND		ug/kg	78	8.1	1
p-Isopropyltoluene	ND		ug/kg	78	9.8	1
Naphthalene	3900		ug/kg	390	11.	1
Acrylonitrile	ND		ug/kg	780	40.	1
n-Propylbenzene	ND		ug/kg	78	8.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	390	12.	1
1,2,4-Trichlorobenzene	ND		ug/kg	390	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	390	11.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-13 Date Collected: 03/16/15 14:20

Client ID: SB-D2_1-2' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	390	11.	1
1,4-Dioxane	ND		ug/kg	7800	1100	1
p-Diethylbenzene	ND		ug/kg	310	12.	1
p-Ethyltoluene	ND		ug/kg	310	9.7	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	310	10.	1
Ethyl ether	ND		ug/kg	390	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	390	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-14
Client ID: SB-D2_7-8'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/18/15 18:40
Analyst: BN
Percent Solids: 87%

Date Collected: 03/16/15 15:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.12	1
Chloroform	ND		ug/kg	2.0	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	6.9	0.53	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.9	0.19	1
Bromoform	ND		ug/kg	5.5	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.0	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.17	1
Chloromethane	ND		ug/kg	6.9	0.40	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.16	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.9	0.21	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-14 Date Collected: 03/16/15 15:00

Client ID: SB-D2_7-8' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.9	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.9	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.12	1
p/m-Xylene	ND		ug/kg	2.7	0.27	1
o-Xylene	ND		ug/kg	2.7	0.24	1
Xylenes, Total	ND		ug/kg	2.7	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.22	1
Styrene	ND		ug/kg	2.7	0.55	1
Dichlorodifluoromethane	ND		ug/kg	14	0.26	1
Acetone	6.4	J	ug/kg	14	1.4	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.37	1
Vinyl acetate	ND		ug/kg	14	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.22	1
2-Hexanone	ND		ug/kg	14	0.91	1
Bromochloromethane	ND		ug/kg	6.9	0.38	1
2,2-Dichloropropane	ND		ug/kg	6.9	0.31	1
1,2-Dibromoethane	ND		ug/kg	5.5	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	6.9	0.28	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.17	1
tert-Butylbenzene	ND		ug/kg	6.9	0.18	1
o-Chlorotoluene	ND		ug/kg	6.9	0.22	1
p-Chlorotoluene	ND		ug/kg	6.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.9	0.54	1
Hexachlorobutadiene	ND		ug/kg	6.9	0.31	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
Naphthalene	ND		ug/kg	6.9	0.19	1
Acrylonitrile	ND		ug/kg	14	0.70	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.9	0.20	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-14 Date Collected: 03/16/15 15:00

Client ID: SB-D2_7-8' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.9	0.19	1
1,4-Dioxane	ND		ug/kg	140	20.	1
p-Diethylbenzene	ND		ug/kg	5.5	0.22	1
p-Ethyltoluene	ND		ug/kg	5.5	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.18	1
Ethyl ether	ND		ug/kg	6.9	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-17 D
Client ID: WC_DUP01_031615
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/18/15 21:18
Analyst: BN
Percent Solids: 79%

Date Collected: 03/16/15 00:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	17000	1900	10
1,1-Dichloroethane	ND		ug/kg	2600	150	10
Chloroform	ND		ug/kg	2600	640	10
Carbon tetrachloride	ND		ug/kg	1700	370	10
1,2-Dichloropropane	ND		ug/kg	6100	400	10
Dibromochloromethane	ND		ug/kg	1700	270	10
1,1,2-Trichloroethane	ND		ug/kg	2600	530	10
Tetrachloroethene	ND		ug/kg	1700	240	10
Chlorobenzene	ND		ug/kg	1700	610	10
Trichlorofluoromethane	ND		ug/kg	8700	680	10
1,2-Dichloroethane	ND		ug/kg	1700	200	10
1,1,1-Trichloroethane	ND		ug/kg	1700	190	10
Bromodichloromethane	ND		ug/kg	1700	300	10
trans-1,3-Dichloropropene	ND		ug/kg	1700	210	10
cis-1,3-Dichloropropene	ND		ug/kg	1700	200	10
1,3-Dichloropropene, Total	ND		ug/kg	1700	200	10
1,1-Dichloropropene	ND		ug/kg	8700	250	10
Bromoform	ND		ug/kg	7000	410	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	1700	180	10
Benzene	ND		ug/kg	1700	200	10
Toluene	ND		ug/kg	2600	340	10
Ethylbenzene	ND		ug/kg	1700	220	10
Chloromethane	ND		ug/kg	8700	510	10
Bromomethane	ND		ug/kg	3500	590	10
Vinyl chloride	ND		ug/kg	3500	200	10
Chloroethane	ND		ug/kg	3500	550	10
1,1-Dichloroethene	ND		ug/kg	1700	460	10
trans-1,2-Dichloroethene	ND		ug/kg	2600	370	10
Trichloroethene	ND		ug/kg	1700	220	10
1,2-Dichlorobenzene	ND		ug/kg	8700	270	10

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-17 D Date Collected: 03/16/15 00:00

Client ID: WC_DUP01_031615 Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	8700	240	10
1,4-Dichlorobenzene	ND		ug/kg	8700	240	10
Methyl tert butyl ether	ND		ug/kg	3500	150	10
p/m-Xylene	ND		ug/kg	3500	340	10
o-Xylene	ND		ug/kg	3500	300	10
Xylenes, Total	ND		ug/kg	3500	300	10
cis-1,2-Dichloroethene	ND		ug/kg	1700	250	10
1,2-Dichloroethene, Total	ND		ug/kg	1700	250	10
Dibromomethane	ND		ug/kg	17000	280	10
Styrene	ND		ug/kg	3500	700	10
Dichlorodifluoromethane	ND		ug/kg	17000	330	10
Acetone	ND		ug/kg	17000	1800	10
Carbon disulfide	ND		ug/kg	17000	1900	10
2-Butanone	ND		ug/kg	17000	470	10
Vinyl acetate	ND		ug/kg	17000	230	10
4-Methyl-2-pentanone	ND		ug/kg	17000	420	10
1,2,3-Trichloropropane	ND		ug/kg	17000	280	10
2-Hexanone	ND		ug/kg	17000	1200	10
Bromochloromethane	ND		ug/kg	8700	480	10
2,2-Dichloropropane	ND		ug/kg	8700	390	10
1,2-Dibromoethane	ND		ug/kg	7000	300	10
1,3-Dichloropropane	ND		ug/kg	8700	250	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	1700	550	10
Bromobenzene	ND		ug/kg	8700	360	10
n-Butylbenzene	4000		ug/kg	1700	200	10
sec-Butylbenzene	10000		ug/kg	1700	210	10
tert-Butylbenzene	ND		ug/kg	8700	240	10
o-Chlorotoluene	ND		ug/kg	8700	280	10
p-Chlorotoluene	ND		ug/kg	8700	230	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	8700	690	10
Hexachlorobutadiene	ND		ug/kg	8700	400	10
Isopropylbenzene	ND		ug/kg	1700	180	10
p-Isopropyltoluene	1100	J	ug/kg	1700	220	10
Naphthalene	ND		ug/kg	8700	240	10
Acrylonitrile	ND		ug/kg	17000	900	10
n-Propylbenzene	ND		ug/kg	1700	190	10
1,2,3-Trichlorobenzene	ND		ug/kg	8700	260	10
1,2,4-Trichlorobenzene	ND		ug/kg	8700	320	10
1,3,5-Trimethylbenzene	ND		ug/kg	8700	250	10

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-17 D
Client ID: WC_DUP01_031615
Sample Location: 160 LEROY ST., NY, NY

Date Collected: 03/16/15 00:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	2400	J	ug/kg	8700	250	10
1,4-Dioxane	ND		ug/kg	170000	25000	10
p-Diethylbenzene	4800	J	ug/kg	7000	280	10
p-Ethyltoluene	ND		ug/kg	7000	220	10
1,2,4,5-Tetramethylbenzene	12000		ug/kg	7000	230	10
Ethyl ether	ND		ug/kg	8700	450	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	8700	680	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	95		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-20
Client ID: TB01_031615
Sample Location: 160 LEROY ST., NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/17/15 11:09
Analyst: PD

Date Collected: 03/16/15 00:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-20 Date Collected: 03/16/15 00:00

Client ID: TB01_031615 Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-20 Date Collected: 03/16/15 00:00

Client ID: TB01_031615 Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	106		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/15 08:50
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20 Batch: WG768837-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/15 08:50
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20 Batch: WG768837-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/15 08:50
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20 Batch: WG768837-3					
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/17/15 08:50
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20 Batch: WG768837-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	80		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	89		70-130

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/18/15 12:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,09-10,14 Batch: WG769285-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/18/15 12:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,09-10,14 Batch: WG769285-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/18/15 12:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,09-10,14 Batch: WG769285-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/18/15 12:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02,09-10,14 Batch: WG769285-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/18/15 12:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06,13,17 Batch: WG769288-3					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
2-Chloroethylvinyl ether	ND		ug/kg	1000	31.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,3-Dichloropropene, Total	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/18/15 12:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06,13,17 Batch: WG769288-3					
Trichloroethene	ND		ug/kg	50	6.2
1,2-Dichlorobenzene	ND		ug/kg	250	7.7
1,3-Dichlorobenzene	ND		ug/kg	250	6.8
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
Xylenes, Total	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
1,2-Dichloroethene, Total	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	ND		ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/18/15 12:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06,13,17 Batch: WG769288-3					
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Diisopropyl Ether	ND		ug/kg	200	7.0
Tert-Butyl Alcohol	ND		ug/kg	3000	150
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
Methyl Acetate	ND		ug/kg	1000	14.
Ethyl Acetate	ND		ug/kg	1000	46.
Acrolein	ND		ug/kg	1200	400
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Tetrahydrofuran	ND		ug/kg	1000	50.
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	7.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	5.8

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/18/15 12:55
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05-06,13,17 Batch: WG769288-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	4.8

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/15 06:44
Analyst: MM
TCLP Extraction Date: 03/18/15 11:36

Extraction Date: 03/18/15 11:36

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01-02 Batch: WG769336-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.70
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	90		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/15 07:07
Analyst: MM
TCLP Extraction Date: 03/19/15 11:37

Extraction Date: 03/19/15 11:37

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 05,09,13 Batch: WG770016-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.70
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG768837-1 WG768837-2								
Methylene chloride	104		98		70-130	6		20
1,1-Dichloroethane	102		100		70-130	2		20
Chloroform	103		102		70-130	1		20
Carbon tetrachloride	103		100		63-132	3		20
1,2-Dichloropropane	106		101		70-130	5		20
Dibromochloromethane	97		95		63-130	2		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	115		115		70-130	0		20
Chlorobenzene	110		98		75-130	12		20
Trichlorofluoromethane	77		98		62-150	**24**	Q	20
1,2-Dichloroethane	93		89		70-130	4		20
1,1,1-Trichloroethane	103		100		67-130	3		20
Bromodichloromethane	100		95		67-130	5		20
trans-1,3-Dichloropropene	92		85		70-130	8		20
cis-1,3-Dichloropropene	99		94		70-130	5		20
1,1-Dichloropropene	108		101		70-130	7		20
Bromoform	95		91		54-136	4		20
1,1,2,2-Tetrachloroethane	92		81		67-130	13		20
Benzene	114		108		70-130	5		20
Toluene	113		101		70-130	11		20
Ethylbenzene	116		103		70-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG768837-1 WG768837-2								
Chloromethane	78		73		64-130	7		20
Bromomethane	63		63		39-139	0		20
Vinyl chloride	97		96		55-140	1		20
Chloroethane	96		100		55-138	4		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	108		110		70-130	2		20
Trichloroethene	108		105		70-130	3		20
1,2-Dichlorobenzene	101		89		70-130	13		20
1,3-Dichlorobenzene	106		101		70-130	5		20
1,4-Dichlorobenzene	106		94		70-130	12		20
Methyl tert butyl ether	84		83		63-130	1		20
p/m-Xylene	117		100		70-130	16		20
o-Xylene	115		98		70-130	16		20
cis-1,2-Dichloroethene	108		107		70-130	1		20
Dibromomethane	95		91		70-130	4		20
1,2,3-Trichloropropane	88		82		64-130	7		20
Acrylonitrile	83		81		70-130	2		20
Isopropyl Ether	93		89		70-130	4		20
tert-Butyl Alcohol	**60**	Q	**65**	Q	70-130	8		20
Styrene	117		101		70-130	15		20
Dichlorodifluoromethane	103		105		36-147	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG768837-1 WG768837-2								
Acetone	65		69		58-148	6		20
Carbon disulfide	84		84		51-130	0		20
2-Butanone	76		77		63-138	1		20
Vinyl acetate	**66**	Q	**62**	Q	70-130	6		20
4-Methyl-2-pentanone	83		75		59-130	10		20
2-Hexanone	70		69		57-130	1		20
Bromochloromethane	103		103		70-130	0		20
2,2-Dichloropropane	95		97		63-133	2		20
1,2-Dibromoethane	94		92		70-130	2		20
1,3-Dichloropropane	96		98		70-130	2		20
1,1,1,2-Tetrachloroethane	108		99		64-130	9		20
Bromobenzene	108		97		70-130	11		20
n-Butylbenzene	102		88		53-136	15		20
sec-Butylbenzene	106		107		70-130	1		20
tert-Butylbenzene	109		106		70-130	3		20
o-Chlorotoluene	108		99		70-130	9		20
p-Chlorotoluene	112		109		70-130	3		20
1,2-Dibromo-3-chloropropane	66		65		41-144	2		20
Hexachlorobutadiene	82		83		63-130	1		20
Isopropylbenzene	116		100		70-130	15		20
p-Isopropyltoluene	110		104		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG768837-1 WG768837-2								
Naphthalene	**64**	Q	**62**	Q	70-130	3		20
n-Propylbenzene	117		102		69-130	14		20
1,2,3-Trichlorobenzene	**43**	Q	**46**	Q	70-130	7		20
1,2,4-Trichlorobenzene	**60**	Q	**59**	Q	70-130	2		20
1,3,5-Trimethylbenzene	112		99		64-130	12		20
1,2,4-Trimethylbenzene	110		106		70-130	4		20
Methyl Acetate	89		92		70-130	3		20
Ethyl Acetate	78		78		70-130	0		20
Cyclohexane	98		98		70-130	0		20
Ethyl-Tert-Butyl-Ether	84		84		70-130	0		20
Tertiary-Amyl Methyl Ether	82		78		66-130	5		20
1,4-Dioxane	82		76		56-162	8		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	105		118		70-130	12		20
1,4-Diethylbenzene	104		90		70-130	14		20
4-Ethyltoluene	113		99		70-130	13		20
1,2,4,5-Tetramethylbenzene	110		108		70-130	2		20
Ethyl ether	94		109		59-134	15		20
trans-1,4-Dichloro-2-butene	83		74		70-130	11		20
Methyl cyclohexane	107		104		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG768837-1 WG768837-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		85		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	97		92		70-130
Dibromofluoromethane	94		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,09-10,14 Batch: WG769285-1 WG769285-2								
Methylene chloride	87		85		70-130	2		30
1,1-Dichloroethane	90		88		70-130	2		30
Chloroform	87		86		70-130	1		30
Carbon tetrachloride	88		86		70-130	2		30
1,2-Dichloropropane	88		87		70-130	1		30
Dibromochloromethane	93		94		70-130	1		30
2-Chloroethylvinyl ether	**221**	Q	**214**	Q	70-130	3		30
1,1,2-Trichloroethane	101		100		70-130	1		30
Tetrachloroethene	97		95		70-130	2		30
Chlorobenzene	97		97		70-130	0		30
Trichlorofluoromethane	96		91		70-139	5		30
1,2-Dichloroethane	89		87		70-130	2		30
1,1,1-Trichloroethane	89		88		70-130	1		30
Bromodichloromethane	84		84		70-130	0		30
trans-1,3-Dichloropropene	99		99		70-130	0		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	92		88		70-130	4		30
Bromoform	95		96		70-130	1		30
1,1,2,2-Tetrachloroethane	102		101		70-130	1		30
Benzene	88		86		70-130	2		30
Toluene	100		99		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,09-10,14 Batch: WG769285-1 WG769285-2								
Ethylbenzene	100		98		70-130	2		30
Chloromethane	103		99		52-130	4		30
Bromomethane	107		100		57-147	7		30
Vinyl chloride	112		105		67-130	6		30
Chloroethane	101		98		50-151	3		30
1,1-Dichloroethene	91		89		65-135	2		30
trans-1,2-Dichloroethene	89		86		70-130	3		30
Trichloroethene	88		86		70-130	2		30
1,2-Dichlorobenzene	101		99		70-130	2		30
1,3-Dichlorobenzene	104		104		70-130	0		30
1,4-Dichlorobenzene	102		101		70-130	1		30
Methyl tert butyl ether	83		82		66-130	1		30
p/m-Xylene	99		98		70-130	1		30
o-Xylene	98		96		70-130	2		30
cis-1,2-Dichloroethene	86		85		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	97		95		70-130	2		30
Dichlorodifluoromethane	134		127		30-146	5		30
Acetone	106		95		54-140	11		30
Carbon disulfide	98		93		59-130	5		30
2-Butanone	93		82		70-130	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,09-10,14 Batch: WG769285-1 WG769285-2								
Vinyl acetate	96		95		70-130	1		30
4-Methyl-2-pentanone	74		72		70-130	3		30
1,2,3-Trichloropropane	100		100		68-130	0		30
2-Hexanone	94		88		70-130	7		30
Bromochloromethane	84		84		70-130	0		30
2,2-Dichloropropane	96		91		70-130	5		30
1,2-Dibromoethane	95		95		70-130	0		30
1,3-Dichloropropane	101		100		69-130	1		30
1,1,1,2-Tetrachloroethane	97		96		70-130	1		30
Bromobenzene	99		97		70-130	2		30
n-Butylbenzene	114		111		70-130	3		30
sec-Butylbenzene	108		104		70-130	4		30
tert-Butylbenzene	104		101		70-130	3		30
o-Chlorotoluene	106		105		70-130	1		30
p-Chlorotoluene	107		106		70-130	1		30
1,2-Dibromo-3-chloropropane	84		87		68-130	4		30
Hexachlorobutadiene	93		92		67-130	1		30
Isopropylbenzene	103		101		70-130	2		30
p-Isopropyltoluene	105		103		70-130	2		30
Naphthalene	91		90		70-130	1		30
Acrylonitrile	91		90		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,09-10,14 Batch: WG769285-1 WG769285-2								
Diisopropyl Ether	86		85		66-130	1		30
Tert-Butyl Alcohol	80		78		70-130	3		30
n-Propylbenzene	109		106		70-130	3		30
1,2,3-Trichlorobenzene	93		92		70-130	1		30
1,2,4-Trichlorobenzene	96		94		70-130	2		30
1,3,5-Trimethylbenzene	108		106		70-130	2		30
1,2,4-Trimethylbenzene	106		104		70-130	2		30
Methyl Acetate	82		77		51-146	6		30
Ethyl Acetate	83		80		70-130	4		30
Acrolein	71		70		70-130	1		30
Cyclohexane	96		93		59-142	3		30
1,4-Dioxane	76		77		65-136	1		30
Freon-113	87		85		50-139	2		30
p-Diethylbenzene	105		101		70-130	4		30
p-Ethyltoluene	105		101		70-130	4		30
1,2,4,5-Tetramethylbenzene	99		97		70-130	2		30
Tetrahydrofuran	83		86		66-130	4		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	107		104		70-130	3		30
Methyl cyclohexane	89		88		70-130	1		30
Ethyl-Tert-Butyl-Ether	83		83		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02,09-10,14 Batch: WG769285-1 WG769285-2								
Tertiary-Amyl Methyl Ether	81		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	110		110		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	94		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06,13,17 Batch: WG769288-1 WG769288-2								
Methylene chloride	87		85		70-130	2		30
1,1-Dichloroethane	90		88		70-130	2		30
Chloroform	87		86		70-130	1		30
Carbon tetrachloride	88		86		70-130	2		30
1,2-Dichloropropane	88		87		70-130	1		30
Dibromochloromethane	93		94		70-130	1		30
2-Chloroethylvinyl ether	**221**	Q	**214**	Q	70-130	3		30
1,1,2-Trichloroethane	101		100		70-130	1		30
Tetrachloroethene	97		95		70-130	2		30
Chlorobenzene	97		97		70-130	0		30
Trichlorofluoromethane	96		91		70-139	5		30
1,2-Dichloroethane	89		87		70-130	2		30
1,1,1-Trichloroethane	89		88		70-130	1		30
Bromodichloromethane	84		84		70-130	0		30
trans-1,3-Dichloropropene	99		99		70-130	0		30
cis-1,3-Dichloropropene	85		85		70-130	0		30
1,1-Dichloropropene	92		88		70-130	4		30
Bromoform	95		96		70-130	1		30
1,1,2,2-Tetrachloroethane	102		101		70-130	1		30
Benzene	88		86		70-130	2		30
Toluene	100		99		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06,13,17 Batch: WG769288-1 WG769288-2								
Ethylbenzene	100		98		70-130	2		30
Chloromethane	103		99		52-130	4		30
Bromomethane	107		100		57-147	7		30
Vinyl chloride	112		105		67-130	6		30
Chloroethane	101		98		50-151	3		30
1,1-Dichloroethene	91		89		65-135	2		30
trans-1,2-Dichloroethene	89		86		70-130	3		30
Trichloroethene	88		86		70-130	2		30
1,2-Dichlorobenzene	101		99		70-130	2		30
1,3-Dichlorobenzene	104		104		70-130	0		30
1,4-Dichlorobenzene	102		101		70-130	1		30
Methyl tert butyl ether	83		82		66-130	1		30
p/m-Xylene	99		98		70-130	1		30
o-Xylene	98		96		70-130	2		30
cis-1,2-Dichloroethene	86		85		70-130	1		30
Dibromomethane	86		85		70-130	1		30
Styrene	97		95		70-130	2		30
Dichlorodifluoromethane	134		127		30-146	5		30
Acetone	106		95		54-140	11		30
Carbon disulfide	98		93		59-130	5		30
2-Butanone	93		82		70-130	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06,13,17 Batch: WG769288-1 WG769288-2								
Vinyl acetate	96		95		70-130	1		30
4-Methyl-2-pentanone	74		72		70-130	3		30
1,2,3-Trichloropropane	100		100		68-130	0		30
2-Hexanone	94		88		70-130	7		30
Bromochloromethane	84		84		70-130	0		30
2,2-Dichloropropane	96		91		70-130	5		30
1,2-Dibromoethane	95		95		70-130	0		30
1,3-Dichloropropane	101		100		69-130	1		30
1,1,1,2-Tetrachloroethane	97		96		70-130	1		30
Bromobenzene	99		97		70-130	2		30
n-Butylbenzene	114		111		70-130	3		30
sec-Butylbenzene	108		104		70-130	4		30
tert-Butylbenzene	104		101		70-130	3		30
o-Chlorotoluene	106		105		70-130	1		30
p-Chlorotoluene	107		106		70-130	1		30
1,2-Dibromo-3-chloropropane	84		87		68-130	4		30
Hexachlorobutadiene	93		92		67-130	1		30
Isopropylbenzene	103		101		70-130	2		30
p-Isopropyltoluene	105		103		70-130	2		30
Naphthalene	91		90		70-130	1		30
Acrylonitrile	91		90		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06,13,17 Batch: WG769288-1 WG769288-2								
Diisopropyl Ether	86		85		66-130	1		30
Tert-Butyl Alcohol	80		78		70-130	3		30
n-Propylbenzene	109		106		70-130	3		30
1,2,3-Trichlorobenzene	93		92		70-130	1		30
1,2,4-Trichlorobenzene	96		94		70-130	2		30
1,3,5-Trimethylbenzene	108		106		70-130	2		30
1,2,4-Trimethylbenzene	106		104		70-130	2		30
Methyl Acetate	82		77		51-146	6		30
Ethyl Acetate	83		80		70-130	4		30
Acrolein	71		70		70-130	1		30
Cyclohexane	96		93		59-142	3		30
1,4-Dioxane	76		77		65-136	1		30
Freon-113	87		85		50-139	2		30
p-Diethylbenzene	105		101		70-130	4		30
p-Ethyltoluene	105		101		70-130	4		30
1,2,4,5-Tetramethylbenzene	99		97		70-130	2		30
Tetrahydrofuran	83		86		66-130	4		30
Ethyl ether	104		108		67-130	4		30
trans-1,4-Dichloro-2-butene	107		104		70-130	3		30
Methyl cyclohexane	89		88		70-130	1		30
Ethyl-Tert-Butyl-Ether	83		83		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05-06,13,17 Batch: WG769288-1 WG769288-2								
Tertiary-Amyl Methyl Ether	81		82		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	110		110		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	94		94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01-02 Batch: WG769336-1 WG769336-2								
Chloroform	97		101		70-130	4		20
Carbon tetrachloride	90		94		63-132	4		20
Tetrachloroethene	95		98		70-130	3		20
Chlorobenzene	91		95		75-130	4		25
1,2-Dichloroethane	100		107		70-130	7		20
Benzene	98		100		70-130	2		25
Vinyl chloride	88		89		55-140	1		20
1,1-Dichloroethene	94		98		61-145	4		25
Trichloroethene	98		103		70-130	5		25
1,4-Dichlorobenzene	85		90		70-130	6		20
2-Butanone	89		106		63-138	17		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		96		70-130
Toluene-d8	93		95		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	100		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 05,09,13 Batch: WG770016-1 WG770016-2								
Chloroform	101		100		70-130	1		20
Carbon tetrachloride	94		94		63-132	0		20
Tetrachloroethene	95		95		70-130	0		20
Chlorobenzene	93		93		75-130	0		25
1,2-Dichloroethane	106		105		70-130	1		20
Benzene	103		100		70-130	3		25
Vinyl chloride	88		86		55-140	2		20
1,1-Dichloroethene	99		96		61-145	3		25
Trichloroethene	105		100		70-130	5		25
1,4-Dichlorobenzene	88		87		70-130	1		20
2-Butanone	113		108		63-138	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	93		93		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	104		101		70-130

SEMIVOLATILES

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-03
Client ID: COMP-A_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/15 00:10
Analyst: PS
Percent Solids: 91%
TCLP/SPLP Ext. Date: 03/18/15 16:22

Date Collected: 03/16/15 10:10
Date Received: 03/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/20/15 05:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	47		15-120
2,4,6-Tribromophenol	58		10-120
4-Terphenyl-d14	62		33-120

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-03 D	Date Collected:	03/16/15 10:10
Client ID:	COMP-A_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/18/15 22:54
Analytical Date:	03/24/15 00:28		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	890		ug/kg	280	74.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	100	2
2-Chloronaphthalene	ND		ug/kg	360	120	2
1,2-Dichlorobenzene	ND		ug/kg	360	120	2
1,3-Dichlorobenzene	ND		ug/kg	360	110	2
1,4-Dichlorobenzene	ND		ug/kg	360	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	95.	2
2,4-Dinitrotoluene	ND		ug/kg	360	77.	2
2,6-Dinitrotoluene	ND		ug/kg	360	91.	2
Fluoranthene	12000		ug/kg	210	66.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	82.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	430	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	360	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	65.	2
Isophorone	ND		ug/kg	320	95.	2
Naphthalene	1000		ug/kg	360	120	2
Nitrobenzene	ND		ug/kg	320	85.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	280	75.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	360	94.	2
Butyl benzyl phthalate	ND		ug/kg	360	70.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	88.	2
Diethyl phthalate	ND		ug/kg	360	76.	2
Dimethyl phthalate	ND		ug/kg	360	91.	2

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-03 D Date Collected: 03/16/15 10:10

Client ID: COMP-A_0-6' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	4600		ug/kg	210	70.	2
Benzo(a)pyrene	4300		ug/kg	280	87.	2
Benzo(b)fluoranthene	5300		ug/kg	210	72.	2
Benzo(k)fluoranthene	2300		ug/kg	210	68.	2
Chrysene	4500		ug/kg	210	70.	2
Acenaphthylene	650		ug/kg	280	67.	2
Anthracene	2000		ug/kg	210	59.	2
Benzo(ghi)perylene	2500		ug/kg	280	74.	2
Fluorene	860		ug/kg	360	100	2
Phenanthrene	10000		ug/kg	210	70.	2
Dibenzo(a,h)anthracene	560		ug/kg	210	69.	2
Indeno(1,2,3-cd)Pyrene	2700		ug/kg	280	79.	2
Pyrene	10000		ug/kg	210	69.	2
Biphenyl	120	J	ug/kg	810	120	2
4-Chloroaniline	ND		ug/kg	360	94.	2
2-Nitroaniline	ND		ug/kg	360	100	2
3-Nitroaniline	ND		ug/kg	360	98.	2
4-Nitroaniline	ND		ug/kg	360	96.	2
Dibenzofuran	690		ug/kg	360	120	2
2-Methylnaphthalene	420	J	ug/kg	430	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	110	2
Acetophenone	ND		ug/kg	360	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
P-Chloro-M-Cresol	ND		ug/kg	360	100	2
2-Chlorophenol	ND		ug/kg	360	110	2
2,4-Dichlorophenol	ND		ug/kg	320	120	2
2,4-Dimethylphenol	ND		ug/kg	360	110	2
2-Nitrophenol	ND		ug/kg	770	110	2
4-Nitrophenol	ND		ug/kg	500	120	2
2,4-Dinitrophenol	ND		ug/kg	1700	490	2
4,6-Dinitro-o-cresol	ND		ug/kg	930	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	360	100	2
2-Methylphenol	ND		ug/kg	360	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	360	120	2
Benzoic Acid	ND		ug/kg	1200	360	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	830		ug/kg	360	77.	2

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-03 D Date Collected: 03/16/15 10:10

Client ID: COMP-A_0-6' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	33		10-136
4-Terphenyl-d14	80		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-04
Client ID: COMP-A_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/15 00:35
Analyst: PS
Percent Solids: 87%
TCLP/SPLP Ext. Date: 03/18/15 16:22

Date Collected: 03/16/15 10:15
Date Received: 03/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/20/15 05:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	93		33-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-04	Date Collected:	03/16/15 10:15
Client ID:	COMP-A_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/18/15 22:54
Analytical Date:	03/21/15 00:59		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	56	J	ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	61.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	59.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	40.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	680		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	57.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	62.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	49.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-04 Date Collected: 03/16/15 10:15

Client ID: COMP-A_6-12' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	270		ug/kg	110	37.	1
Benzo(a)pyrene	240		ug/kg	150	46.	1
Benzo(b)fluoranthene	320		ug/kg	110	38.	1
Benzo(k)fluoranthene	110		ug/kg	110	36.	1
Chrysene	280		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	120		ug/kg	110	31.	1
Benzo(ghi)perylene	150		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	570		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	36	J	ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	170		ug/kg	150	42.	1
Pyrene	600		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	220	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	190	54.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	900	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	58	J	ug/kg	190	40.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-04 Date Collected: 03/16/15 10:15

Client ID: COMP-A_6-12' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	97		30-120
2,4,6-Tribromophenol	136		10-136
4-Terphenyl-d14	100		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-07
Client ID: COMP-B_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/15 01:01
Analyst: PS
Percent Solids: 91%
TCLP/SPLP Ext. Date: 03/18/15 16:22

Date Collected: 03/16/15 11:15
Date Received: 03/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/20/15 05:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	111		33-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-07 D	Date Collected:	03/16/15 11:15
Client ID:	COMP-B_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/18/15 22:54
Analytical Date:	03/24/15 01:19		
Analyst:	PS		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	880		ug/kg	580	150	4
1,2,4-Trichlorobenzene	ND		ug/kg	730	240	4
Hexachlorobenzene	ND		ug/kg	440	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	660	200	4
2-Chloronaphthalene	ND		ug/kg	730	240	4
1,2-Dichlorobenzene	ND		ug/kg	730	240	4
1,3-Dichlorobenzene	ND		ug/kg	730	230	4
1,4-Dichlorobenzene	ND		ug/kg	730	220	4
3,3'-Dichlorobenzidine	ND		ug/kg	730	190	4
2,4-Dinitrotoluene	ND		ug/kg	730	160	4
2,6-Dinitrotoluene	ND		ug/kg	730	190	4
Fluoranthene	18000		ug/kg	440	130	4
4-Chlorophenyl phenyl ether	ND		ug/kg	730	220	4
4-Bromophenyl phenyl ether	ND		ug/kg	730	170	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	880	260	4
Bis(2-chloroethoxy)methane	ND		ug/kg	790	220	4
Hexachlorobutadiene	ND		ug/kg	730	200	4
Hexachlorocyclopentadiene	ND		ug/kg	2100	470	4
Hexachloroethane	ND		ug/kg	580	130	4
Isophorone	ND		ug/kg	660	190	4
Naphthalene	840		ug/kg	730	240	4
Nitrobenzene	ND		ug/kg	660	170	4
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	580	150	4
n-Nitrosodi-n-propylamine	ND		ug/kg	730	220	4
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	190	4
Butyl benzyl phthalate	ND		ug/kg	730	140	4
Di-n-butylphthalate	ND		ug/kg	730	140	4
Di-n-octylphthalate	ND		ug/kg	730	180	4
Diethyl phthalate	ND		ug/kg	730	150	4
Dimethyl phthalate	ND		ug/kg	730	180	4

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-07 D Date Collected: 03/16/15 11:15

Client ID: COMP-B_0-6' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	7900		ug/kg	440	140	4
Benzo(a)pyrene	8300		ug/kg	580	180	4
Benzo(b)fluoranthene	10000		ug/kg	440	150	4
Benzo(k)fluoranthene	3900		ug/kg	440	140	4
Chrysene	8300		ug/kg	440	140	4
Acenaphthylene	1100		ug/kg	580	140	4
Anthracene	2600		ug/kg	440	120	4
Benzo(ghi)perylene	5200		ug/kg	580	150	4
Fluorene	810		ug/kg	730	210	4
Phenanthrene	14000		ug/kg	440	140	4
Dibenzo(a,h)anthracene	1100		ug/kg	440	140	4
Indeno(1,2,3-cd)Pyrene	5400		ug/kg	580	160	4
Pyrene	17000		ug/kg	440	140	4
Biphenyl	ND		ug/kg	1700	240	4
4-Chloroaniline	ND		ug/kg	730	190	4
2-Nitroaniline	ND		ug/kg	730	200	4
3-Nitroaniline	ND		ug/kg	730	200	4
4-Nitroaniline	ND		ug/kg	730	200	4
Dibenzofuran	780		ug/kg	730	240	4
2-Methylnaphthalene	370	J	ug/kg	880	230	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	730	230	4
Acetophenone	ND		ug/kg	730	230	4
2,4,6-Trichlorophenol	ND		ug/kg	440	140	4
P-Chloro-M-Cresol	ND		ug/kg	730	210	4
2-Chlorophenol	ND		ug/kg	730	220	4
2,4-Dichlorophenol	ND		ug/kg	660	240	4
2,4-Dimethylphenol	ND		ug/kg	730	220	4
2-Nitrophenol	ND		ug/kg	1600	230	4
4-Nitrophenol	ND		ug/kg	1000	240	4
2,4-Dinitrophenol	ND		ug/kg	3500	1000	4
4,6-Dinitro-o-cresol	ND		ug/kg	1900	270	4
Pentachlorophenol	ND		ug/kg	580	160	4
Phenol	ND		ug/kg	730	220	4
2-Methylphenol	ND		ug/kg	730	240	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1000	240	4
2,4,5-Trichlorophenol	ND		ug/kg	730	240	4
Benzoic Acid	ND		ug/kg	2400	740	4
Benzyl Alcohol	ND		ug/kg	730	220	4
Carbazole	1100		ug/kg	730	160	4

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-07 D Date Collected: 03/16/15 11:15

Client ID: COMP-B_0-6' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	21		10-136
4-Terphenyl-d14	73		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-08	Date Collected:	03/16/15 11:30
Client ID:	COMP-B_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/18/15 22:54
Analytical Date:	03/20/15 23:24		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	47	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	770		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-08 Date Collected: 03/16/15 11:30

Client ID: COMP-B_6-12' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	310		ug/kg	120	38.	1
Benzo(a)pyrene	290		ug/kg	160	48.	1
Benzo(b)fluoranthene	390		ug/kg	120	39.	1
Benzo(k)fluoranthene	130		ug/kg	120	37.	1
Chrysene	320		ug/kg	120	38.	1
Acenaphthylene	52	J	ug/kg	160	36.	1
Anthracene	120		ug/kg	120	32.	1
Benzo(ghi)perylene	180		ug/kg	160	40.	1
Fluorene	69	J	ug/kg	190	56.	1
Phenanthrene	640		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	45	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	190		ug/kg	160	43.	1
Pyrene	670		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	59.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-08 Date Collected: 03/16/15 11:30

Client ID: COMP-B_6-12' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	66		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-11
Client ID: COMP-C_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/15 01:27
Analyst: PS
Percent Solids: 92%
TCLP/SPLP Ext. Date: 03/18/15 16:22

Date Collected: 03/16/15 12:55
Date Received: 03/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/20/15 05:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	67		33-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-11	Date Collected:	03/16/15 12:55
Client ID:	COMP-C_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/18/15 22:54
Analytical Date:	03/21/15 01:47		
Analyst:	PS		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	100	J	ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	58.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	56.	1
1,4-Dichlorobenzene	ND		ug/kg	180	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	1400		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	63.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	100	J	ug/kg	180	59.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-11 Date Collected: 03/16/15 12:55

Client ID: COMP-C_0-6' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	600		ug/kg	110	35.	1
Benzo(a)pyrene	580		ug/kg	140	44.	1
Benzo(b)fluoranthene	710		ug/kg	110	36.	1
Benzo(k)fluoranthene	280		ug/kg	110	34.	1
Chrysene	600		ug/kg	110	35.	1
Acenaphthylene	110	J	ug/kg	140	33.	1
Anthracene	260		ug/kg	110	30.	1
Benzo(ghi)perylene	360		ug/kg	140	37.	1
Fluorene	99	J	ug/kg	180	51.	1
Phenanthrene	1000		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	92	J	ug/kg	110	34.	1
Indeno(1,2,3-cd)Pyrene	390		ug/kg	140	40.	1
Pyrene	1200		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	59.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	49.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	75	J	ug/kg	180	60.	1
2-Methylnaphthalene	ND		ug/kg	210	57.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	55.	1
Acetophenone	ND		ug/kg	180	55.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	53.	1
2-Nitrophenol	ND		ug/kg	380	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	65.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	120	J	ug/kg	180	38.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-11 Date Collected: 03/16/15 12:55

Client ID: COMP-C_0-6' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**24**	Q	25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	21		10-136
4-Terphenyl-d14	78		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-12	Date Collected:	03/16/15 13:00
Client ID:	COMP-C_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/18/15 22:54
Analytical Date:	03/20/15 23:47		
Analyst:	PS		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-12 Date Collected: 03/16/15 13:00

Client ID: COMP-C_6-12' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-12	Date Collected:	03/16/15 13:00
Client ID:	COMP-C_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	70		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-15
Client ID: COMP-D_0-5'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/21/15 01:52
Analyst: PS
Percent Solids: 92%
TCLP/SPLP Ext. Date: 03/18/15 16:22

Date Collected: 03/16/15 15:10
Date Received: 03/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/20/15 05:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	51		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	65		33-120

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-15	RE/D	Date Collected:	03/16/15 15:10
Client ID:	COMP-D_0-5'		Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3546
Analytical Method:	1,8270D		Extraction Date:	03/23/15 20:07
Analytical Date:	03/24/15 15:11			
Analyst:	RC			
Percent Solids:	92%			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2400		ug/kg	710	180	5
1,2,4-Trichlorobenzene	ND		ug/kg	890	290	5
Hexachlorobenzene	ND		ug/kg	530	160	5
Bis(2-chloroethyl)ether	ND		ug/kg	800	250	5
2-Chloronaphthalene	ND		ug/kg	890	290	5
1,2-Dichlorobenzene	ND		ug/kg	890	290	5
1,3-Dichlorobenzene	ND		ug/kg	890	280	5
1,4-Dichlorobenzene	ND		ug/kg	890	270	5
3,3'-Dichlorobenzidine	ND		ug/kg	890	240	5
2,4-Dinitrotoluene	ND		ug/kg	890	190	5
2,6-Dinitrotoluene	ND		ug/kg	890	230	5
Fluoranthene	20000		ug/kg	530	160	5
4-Chlorophenyl phenyl ether	ND		ug/kg	890	270	5
4-Bromophenyl phenyl ether	ND		ug/kg	890	200	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	310	5
Bis(2-chloroethoxy)methane	ND		ug/kg	960	270	5
Hexachlorobutadiene	ND		ug/kg	890	250	5
Hexachlorocyclopentadiene	ND		ug/kg	2500	570	5
Hexachloroethane	ND		ug/kg	710	160	5
Isophorone	ND		ug/kg	800	240	5
Naphthalene	1200		ug/kg	890	290	5
Nitrobenzene	ND		ug/kg	800	210	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	710	190	5
n-Nitrosodi-n-propylamine	ND		ug/kg	890	260	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	890	230	5
Butyl benzyl phthalate	ND		ug/kg	890	170	5
Di-n-butylphthalate	ND		ug/kg	890	170	5
Di-n-octylphthalate	ND		ug/kg	890	220	5
Diethyl phthalate	ND		ug/kg	890	190	5
Dimethyl phthalate	ND		ug/kg	890	220	5

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-15 RE/D Date Collected: 03/16/15 15:10

Client ID: COMP-D_0-5' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	10000		ug/kg	530	170	5
Benzo(a)pyrene	9000		ug/kg	710	220	5
Benzo(b)fluoranthene	10000		ug/kg	530	180	5
Benzo(k)fluoranthene	5000		ug/kg	530	170	5
Chrysene	10000		ug/kg	530	170	5
Acenaphthylene	990		ug/kg	710	170	5
Anthracene	5500		ug/kg	530	150	5
Benzo(ghi)perylene	5400		ug/kg	710	180	5
Fluorene	2300		ug/kg	890	250	5
Phenanthrene	19000		ug/kg	530	170	5
Dibenzo(a,h)anthracene	1700		ug/kg	530	170	5
Indeno(1,2,3-cd)Pyrene	4800		ug/kg	710	200	5
Pyrene	18000		ug/kg	530	170	5
Biphenyl	ND		ug/kg	2000	290	5
4-Chloroaniline	ND		ug/kg	890	230	5
2-Nitroaniline	ND		ug/kg	890	250	5
3-Nitroaniline	ND		ug/kg	890	240	5
4-Nitroaniline	ND		ug/kg	890	240	5
Dibenzofuran	1400		ug/kg	890	300	5
2-Methylnaphthalene	1000	J	ug/kg	1100	280	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	890	280	5
Acetophenone	ND		ug/kg	890	280	5
2,4,6-Trichlorophenol	ND		ug/kg	530	170	5
P-Chloro-M-Cresol	ND		ug/kg	890	260	5
2-Chlorophenol	ND		ug/kg	890	270	5
2,4-Dichlorophenol	ND		ug/kg	800	290	5
2,4-Dimethylphenol	ND		ug/kg	890	260	5
2-Nitrophenol	ND		ug/kg	1900	280	5
4-Nitrophenol	ND		ug/kg	1200	290	5
2,4-Dinitrophenol	ND		ug/kg	4300	1200	5
4,6-Dinitro-o-cresol	ND		ug/kg	2300	320	5
Pentachlorophenol	ND		ug/kg	710	190	5
Phenol	ND		ug/kg	890	260	5
2-Methylphenol	ND		ug/kg	890	290	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	290	5
2,4,5-Trichlorophenol	ND		ug/kg	890	290	5
Benzoic Acid	ND		ug/kg	2900	900	5
Benzyl Alcohol	ND		ug/kg	890	270	5
Carbazole	2100		ug/kg	890	190	5

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-15 RE/D Date Collected: 03/16/15 15:10

Client ID: COMP-D_0-5' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**10**	Q	25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	**4**	Q	10-136
4-Terphenyl-d14	108		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-15 D
Client ID: COMP-D_0-5'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/24/15 14:44
Analyst: RC
Percent Solids: 92%

Date Collected: 03/16/15 15:10
Date Received: 03/16/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 03/18/15 22:54

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1900		ug/kg	720	180	5
1,2,4-Trichlorobenzene	ND		ug/kg	900	290	5
Hexachlorobenzene	ND		ug/kg	540	170	5
Bis(2-chloroethyl)ether	ND		ug/kg	810	250	5
2-Chloronaphthalene	ND		ug/kg	900	290	5
1,2-Dichlorobenzene	ND		ug/kg	900	290	5
1,3-Dichlorobenzene	ND		ug/kg	900	280	5
1,4-Dichlorobenzene	ND		ug/kg	900	270	5
3,3'-Dichlorobenzidine	ND		ug/kg	900	240	5
2,4-Dinitrotoluene	ND		ug/kg	900	190	5
2,6-Dinitrotoluene	ND		ug/kg	900	230	5
Fluoranthene	18000		ug/kg	540	160	5
4-Chlorophenyl phenyl ether	ND		ug/kg	900	270	5
4-Bromophenyl phenyl ether	ND		ug/kg	900	210	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	320	5
Bis(2-chloroethoxy)methane	ND		ug/kg	970	270	5
Hexachlorobutadiene	ND		ug/kg	900	250	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	580	5
Hexachloroethane	ND		ug/kg	720	160	5
Isophorone	ND		ug/kg	810	240	5
Naphthalene	1700		ug/kg	900	300	5
Nitrobenzene	ND		ug/kg	810	210	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	720	190	5
n-Nitrosodi-n-propylamine	ND		ug/kg	900	270	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	900	240	5
Butyl benzyl phthalate	ND		ug/kg	900	180	5
Di-n-butylphthalate	ND		ug/kg	900	170	5
Di-n-octylphthalate	ND		ug/kg	900	220	5
Diethyl phthalate	ND		ug/kg	900	190	5
Dimethyl phthalate	ND		ug/kg	900	230	5

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-15 D Date Collected: 03/16/15 15:10

Client ID: COMP-D_0-5' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	8200		ug/kg	540	180	5
Benzo(a)pyrene	7100		ug/kg	720	220	5
Benzo(b)fluoranthene	8200		ug/kg	540	180	5
Benzo(k)fluoranthene	3300		ug/kg	540	170	5
Chrysene	7600		ug/kg	540	180	5
Acenaphthylene	820		ug/kg	720	170	5
Anthracene	4700		ug/kg	540	150	5
Benzo(ghi)perylene	4400		ug/kg	720	190	5
Fluorene	1800		ug/kg	900	260	5
Phenanthrene	16000		ug/kg	540	180	5
Dibenzo(a,h)anthracene	1300		ug/kg	540	170	5
Indeno(1,2,3-cd)Pyrene	3800		ug/kg	720	200	5
Pyrene	16000		ug/kg	540	170	5
Biphenyl	ND		ug/kg	2000	300	5
4-Chloroaniline	ND		ug/kg	900	240	5
2-Nitroaniline	ND		ug/kg	900	250	5
3-Nitroaniline	ND		ug/kg	900	250	5
4-Nitroaniline	ND		ug/kg	900	240	5
Dibenzofuran	1500		ug/kg	900	300	5
2-Methylnaphthalene	780	J	ug/kg	1100	290	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	900	280	5
Acetophenone	ND		ug/kg	900	280	5
2,4,6-Trichlorophenol	ND		ug/kg	540	170	5
P-Chloro-M-Cresol	ND		ug/kg	900	260	5
2-Chlorophenol	ND		ug/kg	900	270	5
2,4-Dichlorophenol	ND		ug/kg	810	290	5
2,4-Dimethylphenol	ND		ug/kg	900	270	5
2-Nitrophenol	ND		ug/kg	1900	280	5
4-Nitrophenol	ND		ug/kg	1200	290	5
2,4-Dinitrophenol	ND		ug/kg	4300	1200	5
4,6-Dinitro-o-cresol	ND		ug/kg	2300	330	5
Pentachlorophenol	ND		ug/kg	720	190	5
Phenol	ND		ug/kg	900	260	5
2-Methylphenol	ND		ug/kg	900	290	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	290	5
2,4,5-Trichlorophenol	ND		ug/kg	900	290	5
Benzoic Acid	ND		ug/kg	2900	910	5
Benzyl Alcohol	ND		ug/kg	900	280	5
Carbazole	1800		ug/kg	900	190	5

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-15 D Date Collected: 03/16/15 15:10

Client ID: COMP-D_0-5' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**6**	Q	25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	**2**	Q	10-136
4-Terphenyl-d14	83		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-16 D	Date Collected:	03/16/15 15:15
Client ID:	COMP-D_5-10'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/18/15 22:54
Analytical Date:	03/24/15 00:53		
Analyst:	PS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1100		ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	71.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	110	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	82.	2
2,6-Dinitrotoluene	ND		ug/kg	380	97.	2
Fluoranthene	7500		ug/kg	230	70.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	120	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	69.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	790		ug/kg	380	130	2
Nitrobenzene	ND		ug/kg	340	90.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	80.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	380	100	2
Butyl benzyl phthalate	ND		ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	73.	2
Di-n-octylphthalate	ND		ug/kg	380	93.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	96.	2

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-16 D Date Collected: 03/16/15 15:15

Client ID: COMP-D_5-10' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	3000		ug/kg	230	74.	2
Benzo(a)pyrene	2200		ug/kg	300	93.	2
Benzo(b)fluoranthene	2800		ug/kg	230	77.	2
Benzo(k)fluoranthene	1200		ug/kg	230	72.	2
Chrysene	2600		ug/kg	230	75.	2
Acenaphthylene	350		ug/kg	300	71.	2
Anthracene	2500		ug/kg	230	63.	2
Benzo(ghi)perylene	960		ug/kg	300	79.	2
Fluorene	1300		ug/kg	380	110	2
Phenanthrene	9800		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	270		ug/kg	230	74.	2
Indeno(1,2,3-cd)Pyrene	1200		ug/kg	300	84.	2
Pyrene	6000		ug/kg	230	74.	2
Biphenyl	130	J	ug/kg	870	120	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	1000		ug/kg	380	130	2
2-Methylnaphthalene	460		ug/kg	460	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	820	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	990	140	2
Pentachlorophenol	ND		ug/kg	300	81.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	990		ug/kg	380	82.	2

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-16 D Date Collected: 03/16/15 15:15

Client ID: COMP-D_5-10' Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	66		18-120

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-18	Date Collected:	03/16/15 00:00
Client ID:	COMP_DUP01_031615	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/18/15 22:54
Analytical Date:	03/21/15 02:35		
Analyst:	PS		
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	72	J	ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	1100		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	78	J	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-18 Date Collected: 03/16/15 00:00

Client ID: COMP_DUP01_031615 Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	420		ug/kg	120	38.	1
Benzo(a)pyrene	390		ug/kg	150	47.	1
Benzo(b)fluoranthene	490		ug/kg	120	39.	1
Benzo(k)fluoranthene	180		ug/kg	120	37.	1
Chrysene	430		ug/kg	120	38.	1
Acenaphthylene	80	J	ug/kg	150	36.	1
Anthracene	180		ug/kg	120	32.	1
Benzo(ghi)perylene	240		ug/kg	150	40.	1
Fluorene	94	J	ug/kg	190	55.	1
Phenanthrene	940		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	60	J	ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	270		ug/kg	150	43.	1
Pyrene	950		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	66	J	ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	100	J	ug/kg	190	41.	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-18 Date Collected: 03/16/15 00:00

Client ID: COMP_DUP01_031615 Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	67		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-19
Client ID: FB01_031615
Sample Location: 160 LEROY ST., NY, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 03/22/15 15:17
Analyst: RC

Date Collected: 03/16/15 16:30
Date Received: 03/16/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/21/15 17:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.28	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Hexachlorobenzene	ND		ug/l	2.0	0.40	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
2-Chloronaphthalene	ND		ug/l	2.0	0.46	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
Fluoranthene	ND		ug/l	2.0	0.40	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorobutadiene	ND		ug/l	2.0	0.42	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Hexachloroethane	ND		ug/l	2.0	0.30	1
Isophorone	ND		ug/l	5.0	0.79	1
Naphthalene	ND		ug/l	2.0	0.33	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-19 Date Collected: 03/16/15 16:30

Client ID: FB01_031615 Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.66	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30	1
Chrysene	ND		ug/l	2.0	0.30	1
Acenaphthylene	ND		ug/l	2.0	0.37	1
Anthracene	ND		ug/l	2.0	0.20	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.57	1
Fluorene	ND		ug/l	2.0	0.32	1
Phenanthrene	ND		ug/l	2.0	0.23	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43	1
Pyrene	ND		ug/l	2.0	0.52	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
2-Methylnaphthalene	ND		ug/l	2.0	0.36	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Pentachlorophenol	ND		ug/l	10	3.2	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-19 Date Collected: 03/16/15 16:30

Client ID: FB01_031615 Date Received: 03/16/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	104		41-149

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/19/15 11:00
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/18/15 22:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,16,18 Batch: WG769220-1					
Acenaphthene	ND		ug/kg	130	33.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	320	52.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Azobenzene	ND		ug/kg	160	43.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/19/15 11:00
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/18/15 22:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,16,18 Batch: WG769220-1					
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	190	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
P-Chloro-M-Cresol	ND		ug/kg	160	47.

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/19/15 11:00
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/18/15 22:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,16,18 Batch: WG769220-1					
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	650	58.
Parathion, ethyl	ND		ug/kg	160	64.
1-Methylnaphthalene	ND		ug/kg	160	48.

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/19/15 11:00
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/18/15 22:54

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04,07-08,11-12,16,18 Batch: WG769220-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	102		18-120

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/20/15 18:14
Analyst: PS
TCLP Extraction Date: 03/18/15 16:22

Extraction Method: EPA 3510C
Extraction Date: 03/20/15 05:21

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 03-04,07,11,15 Batch: WG769578-1					
Hexachlorobenzene	ND		ug/l	10	2.0
2,4-Dinitrotoluene	ND		ug/l	25	5.2
Hexachlorobutadiene	ND		ug/l	10	2.1
Hexachloroethane	ND		ug/l	10	1.5
Nitrobenzene	ND		ug/l	10	2.0
2,4,6-Trichlorophenol	ND		ug/l	25	3.9
Pentachlorophenol	ND		ug/l	50	16.
2-Methylphenol	ND		ug/l	25	3.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.7
Pyridine	ND		ug/l	25	1.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	87		33-120

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/22/15 13:27
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/21/15 17:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG769916-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Benzidine	ND		ug/l	20	5.2
n-Nitrosodimethylamine	ND		ug/l	2.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Azobenzene	ND		ug/l	2.0	0.54
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/22/15 13:27
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/21/15 17:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG769916-1					
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
Aniline	ND		ug/l	2.0	0.55
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/22/15 13:27
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/21/15 17:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG769916-1					
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Pyridine	ND		ug/l	5.0	0.31
Benzaldehyde	ND		ug/l	5.0	0.99
Caprolactam	ND		ug/l	10	0.39
Atrazine	ND		ug/l	10	0.79
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.59

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/22/15 13:27
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 03/21/15 17:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 19 Batch: WG769916-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	96		41-149

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/24/15 10:32
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/23/15 20:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG770243-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/24/15 10:32
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/23/15 20:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG770243-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/24/15 10:32
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 03/23/15 20:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 15 Batch: WG770243-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	107		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,16,18 Batch: WG769220-2 WG769220-3								
Acenaphthene	88		93		31-137	6		50
Benzidine	42		36		10-66	15		50
n-Nitrosodimethylamine	76		91		22-100	18		50
1,2,4-Trichlorobenzene	75		86		38-107	14		50
Hexachlorobenzene	86		94		40-140	9		50
Bis(2-chloroethyl)ether	80		92		40-140	14		50
2-Chloronaphthalene	86		93		40-140	8		50
1,2-Dichlorobenzene	69		82		40-140	17		50
1,3-Dichlorobenzene	70		82		40-140	16		50
1,4-Dichlorobenzene	69		83		28-104	18		50
3,3'-Dichlorobenzidine	67		65		40-140	3		50
2,4-Dinitrotoluene	**94**	Q	**98**	Q	28-89	4		50
2,6-Dinitrotoluene	90		96		40-140	6		50
Fluoranthene	94		100		40-140	6		50
4-Chlorophenyl phenyl ether	88		95		40-140	8		50
4-Bromophenyl phenyl ether	88		96		40-140	9		50
Azobenzene	92		98		40-140	6		50
Bis(2-chloroisopropyl)ether	84		96		40-140	13		50
Bis(2-chloroethoxy)methane	85		94		40-117	10		50
Hexachlorobutadiene	76		87		40-140	13		50
Hexachlorocyclopentadiene	80		92		40-140	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,16,18 Batch: WG769220-2 WG769220-3								
Hexachloroethane	72		88		40-140	20		50
Isophorone	86		96		40-140	11		50
Naphthalene	80		89		40-140	11		50
Nitrobenzene	81		92		40-140	13		50
NitrosoDiPhenylAmine(NDPA)/DPA	92		98		36-157	6		50
n-Nitrosodi-n-propylamine	83		94		32-121	12		50
Bis(2-Ethylhexyl)phthalate	97		105		40-140	8		50
Butyl benzyl phthalate	94		100		40-140	6		50
Di-n-butylphthalate	97		101		40-140	4		50
Di-n-octylphthalate	97		105		40-140	8		50
Diethyl phthalate	91		97		40-140	6		50
Dimethyl phthalate	90		95		40-140	5		50
Benzo(a)anthracene	91		98		40-140	7		50
Benzo(a)pyrene	90		98		40-140	9		50
Benzo(b)fluoranthene	93		98		40-140	5		50
Benzo(k)fluoranthene	89		95		40-140	7		50
Chrysene	89		96		40-140	8		50
Acenaphthylene	86		95		40-140	10		50
Anthracene	93		100		40-140	7		50
Benzo(ghi)perylene	90		96		40-140	6		50
Fluorene	89		95		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,16,18 Batch: WG769220-2 WG769220-3								
Phenanthrene	88		96		40-140	9		50
Dibenzo(a,h)anthracene	91		98		40-140	7		50
Indeno(1,2,3-cd)Pyrene	92		98		40-140	6		50
Pyrene	91		98		35-142	7		50
Biphenyl	**106**	Q	**115**	Q	54-104	8		50
Aniline	56		58		40-140	4		50
4-Chloroaniline	81		78		40-140	4		50
2-Nitroaniline	88		94		47-134	7		50
3-Nitroaniline	70		69		26-129	1		50
4-Nitroaniline	87		92		41-125	6		50
Dibenzofuran	87		93		40-140	7		50
2-Methylnaphthalene	82		91		40-140	10		50
1,2,4,5-Tetrachlorobenzene	103		114		40-117	10		50
Acetophenone	82		95		14-144	15		50
2,4,6-Trichlorophenol	85		95		30-130	11		50
P-Chloro-M-Cresol	92		100		26-103	8		50
2-Chlorophenol	80		90		25-102	12		50
2,4-Dichlorophenol	84		94		30-130	11		50
2,4-Dimethylphenol	87		99		30-130	13		50
2-Nitrophenol	79		92		30-130	15		50
4-Nitrophenol	84		96		11-114	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,16,18 Batch: WG769220-2 WG769220-3								
2,4-Dinitrophenol	55		64		4-130	15		50
4,6-Dinitro-o-cresol	77		86		10-130	11		50
Pentachlorophenol	80		86		17-109	7		50
Phenol	81		**92**	Q	26-90	13		50
2-Methylphenol	84		93		30-130.	10		50
3-Methylphenol/4-Methylphenol	91		98		30-130	7		50
2,4,5-Trichlorophenol	91		98		30-130	7		50
Benzoic Acid	26		33		10-66	24		50
Benzyl Alcohol	79		91		40-140	14		50
Carbazole	91		97		54-128	6		50
Benzaldehyde	67		79		40-140	16		50
Caprolactam	89		99		15-130	11		50
Atrazine	91		100		40-140	9		50
2,3,4,6-Tetrachlorophenol	88		96		40-140	9		50
Pyridine	68		75		10-93	10		50
Parathion, ethyl	96		102		40-140	6		50
1-Methylnaphthalene	82		91		26-130	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04,07-08,11-12,16,18 Batch: WG769220-2 WG769220-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		94		25-120
Phenol-d6	91		105		10-120
Nitrobenzene-d5	87		99		23-120
2-Fluorobiphenyl	89		97		30-120
2,4,6-Tribromophenol	96		102		10-136
4-Terphenyl-d14	99		101		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07,11,15 Batch: WG769578-2 WG769578-3								
Hexachlorobenzene	102		83		40-140	21		30
2,4-Dinitrotoluene	**103**	Q	87		24-96	17		30
Hexachlorobutadiene	75		67		40-140	11		30
Hexachloroethane	62		61		25-95	2		30
Nitrobenzene	92		80		40-140	14		30
2,4,6-Trichlorophenol	97		84		30-130	14		30
Pentachlorophenol	98		83		9-103	17		30
2-Methylphenol	84		74		30-130	13		30
3-Methylphenol/4-Methylphenol	88		76		30-130	15		30
2,4,5-Trichlorophenol	102		84		30-130	19		30
Pyridine	37		45		10-66	20		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		61		21-120
Phenol-d6	68		60		10-120
Nitrobenzene-d5	95		82		23-120
2-Fluorobiphenyl	93		80		15-120
2,4,6-Tribromophenol	102		86		10-120
4-Terphenyl-d14	98		82		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG769916-2 WG769916-3								
Acenaphthene	77		85		37-111	10		30
1,2,4-Trichlorobenzene	65		69		39-98	6		30
Benzidine	**7**	Q	17		10-66	**87**	Q	30
n-Nitrosodimethylamine	44		45		22-100	2		30
Hexachlorobenzene	80		88		40-140	10		30
Bis(2-chloroethyl)ether	75		82		40-140	9		30
2-Chloronaphthalene	78		84		40-140	7		30
1,2-Dichlorobenzene	64		67		40-140	5		30
1,3-Dichlorobenzene	62		65		40-140	5		30
1,4-Dichlorobenzene	63		64		36-97	2		30
3,3'-Dichlorobenzidine	83		91		40-140	9		30
2,4-Dinitrotoluene	86		95		24-96	10		30
2,6-Dinitrotoluene	86		95		40-140	10		30
Azobenzene	78		87		40-140	11		30
Fluoranthene	84		93		40-140	10		30
4-Chlorophenyl phenyl ether	78		85		40-140	9		30
4-Bromophenyl phenyl ether	81		88		40-140	8		30
Bis(2-chloroisopropyl)ether	74		79		40-140	7		30
Bis(2-chloroethoxy)methane	80		86		40-140	7		30
Hexachlorobutadiene	61		64		40-140	5		30
Hexachlorocyclopentadiene	73		76		40-140	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG769916-2 WG769916-3								
Hexachloroethane	61		62		40-140	2		30
Isophorone	82		87		40-140	6		30
Naphthalene	71		76		40-140	7		30
Nitrobenzene	75		80		40-140	6		30
NitrosoDiPhenylAmine(NDPA)/DPA	79		88		40-140	11		30
n-Nitrosodi-n-propylamine	77		84		29-132	9		30
Bis(2-Ethylhexyl)phthalate	89		98		40-140	10		30
Butyl benzyl phthalate	88		98		40-140	11		30
Di-n-butylphthalate	87		97		40-140	11		30
Di-n-octylphthalate	94		106		40-140	12		30
Diethyl phthalate	82		91		40-140	10		30
Dimethyl phthalate	82		90		40-140	9		30
Benzo(a)anthracene	80		89		40-140	11		30
Benzo(a)pyrene	84		95		40-140	12		30
Benzo(b)fluoranthene	81		88		40-140	8		30
Benzo(k)fluoranthene	82		95		40-140	15		30
Chrysene	80		87		40-140	8		30
Acenaphthylene	80		86		45-123	7		30
Anthracene	84		94		40-140	11		30
Benzo(ghi)perylene	81		92		40-140	13		30
Fluorene	79		88		40-140	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG769916-2 WG769916-3								
Phenanthrene	77		85		40-140	10		30
Dibenzo(a,h)anthracene	84		95		40-140	12		30
Indeno(1,2,3-cd)Pyrene	70		78		40-140	11		30
Pyrene	81		90		26-127	11		30
Biphenyl	92		100		54-104	8		30
Aniline	**38**	Q	41		40-140	8		30
4-Chloroaniline	44		51		40-140	15		30
2-Nitroaniline	87		97		52-143	11		30
3-Nitroaniline	51		56		25-145	9		30
4-Nitroaniline	77		86		51-143	11		30
Dibenzofuran	77		84		40-140	9		30
2-Methylnaphthalene	74		78		40-140	5		30
1,2,4,5-Tetrachlorobenzene	84		91		2-134	8		30
Acetophenone	80		86		39-129	7		30
2,4,6-Trichlorophenol	83		91		30-130	9		30
P-Chloro-M-Cresol	80		88		23-97	10		30
2-Chlorophenol	72		77		27-123	7		30
2,4-Dichlorophenol	79		86		30-130	8		30
2,4-Dimethylphenol	70		86		30-130	21		30
2-Nitrophenol	82		87		30-130	6		30
4-Nitrophenol	50		55		10-80	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG769916-2 WG769916-3								
2,4-Dinitrophenol	74		82		20-130	10		30
4,6-Dinitro-o-cresol	76		85		20-164	11		30
Pentachlorophenol	64		77		9-103	18		30
Phenol	37		39		12-110	5		30
2-Methylphenol	66		72		30-130	9		30
3-Methylphenol/4-Methylphenol	66		71		30-130	7		30
2,4,5-Trichlorophenol	82		90		30-130	9		30
Benzoic Acid	25		28		10-110	11		30
Benzyl Alcohol	64		68		15-110	6		30
Carbazole	80		89		55-144	11		30
Pyridine	31		30		10-66	3		30
Benzaldehyde	74		77		40-140	4		30
Caprolactam	22		23		10-130	4		30
Atrazine	101		112		40-140	10		30
2,3,4,6-Tetrachlorophenol	78		92		54-145	16		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 19 Batch: WG769916-2 WG769916-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	49		53		21-120
Phenol-d6	35		38		10-120
Nitrobenzene-d5	75		82		23-120
2-Fluorobiphenyl	80		87		15-120
2,4,6-Tribromophenol	84		94		10-120
4-Terphenyl-d14	86		94		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG770243-2 WG770243-3								
Acenaphthene	94		93		31-137	1		50
1,2,4-Trichlorobenzene	84		84		38-107	0		50
Hexachlorobenzene	102		95		40-140	7		50
Bis(2-chloroethyl)ether	86		84		40-140	2		50
2-Chloronaphthalene	93		91		40-140	2		50
1,2-Dichlorobenzene	80		80		40-140	0		50
1,3-Dichlorobenzene	78		80		40-140	3		50
1,4-Dichlorobenzene	78		80		28-104	3		50
3,3'-Dichlorobenzidine	75		68		40-140	10		50
2,4-Dinitrotoluene	**106**	Q	**103**	Q	28-89	3		50
2,6-Dinitrotoluene	103		98		40-140	5		50
Fluoranthene	104		99		40-140	5		50
4-Chlorophenyl phenyl ether	95		92		40-140	3		50
4-Bromophenyl phenyl ether	101		98		40-140	3		50
Bis(2-chloroisopropyl)ether	86		84		40-140	2		50
Bis(2-chloroethoxy)methane	92		89		40-117	3		50
Hexachlorobutadiene	84		85		40-140	1		50
Hexachlorocyclopentadiene	109		108		40-140	1		50
Hexachloroethane	79		79		40-140	0		50
Isophorone	94		90		40-140	4		50
Naphthalene	86		86		40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG770243-2 WG770243-3								
Nitrobenzene	85		85		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	100		97		36-157	3		50
n-Nitrosodi-n-propylamine	91		86		32-121	6		50
Bis(2-Ethylhexyl)phthalate	111		109		40-140	2		50
Butyl benzyl phthalate	114		105		40-140	8		50
Di-n-butylphthalate	110		105		40-140	5		50
Di-n-octylphthalate	121		116		40-140	4		50
Diethyl phthalate	101		97		40-140	4		50
Dimethyl phthalate	98		96		40-140	2		50
Benzo(a)anthracene	99		96		40-140	3		50
Benzo(a)pyrene	106		106		40-140	0		50
Benzo(b)fluoranthene	104		98		40-140	6		50
Benzo(k)fluoranthene	92		102		40-140	10		50
Chrysene	96		98		40-140	2		50
Acenaphthylene	95		92		40-140	3		50
Anthracene	105		104		40-140	1		50
Benzo(ghi)perylene	98		96		40-140	2		50
Fluorene	96		95		40-140	1		50
Phenanthrene	93		92		40-140	1		50
Dibenzo(a,h)anthracene	103		100		40-140	3		50
Indeno(1,2,3-cd)Pyrene	101		97		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG770243-2 WG770243-3								
Pyrene	101		97		35-142	4		50
Biphenyl	**113**	Q	**113**	Q	54-104	0		50
4-Chloroaniline	65		55		40-140	17		50
2-Nitroaniline	107		102		47-134	5		50
3-Nitroaniline	69		62		26-129	11		50
4-Nitroaniline	99		93		41-125	6		50
Dibenzofuran	94		93		40-140	1		50
2-Methylnaphthalene	89		88		40-140	1		50
1,2,4,5-Tetrachlorobenzene	106		108		40-117	2		50
Acetophenone	91		89		14-144	2		50
2,4,6-Trichlorophenol	101		95		30-130	6		50
P-Chloro-M-Cresol	98		95		26-103	3		50
2-Chlorophenol	89		86		25-102	3		50
2,4-Dichlorophenol	96		92		30-130	4		50
2,4-Dimethylphenol	110		104		30-130	6		50
2-Nitrophenol	96		92		30-130	4		50
4-Nitrophenol	106		100		11-114	6		50
2,4-Dinitrophenol	93		88		4-130	6		50
4,6-Dinitro-o-cresol	100		95		10-130	5		50
Pentachlorophenol	104		99		17-109	5		50
Phenol	85		81		26-90	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 15 Batch: WG770243-2 WG770243-3								
2-Methylphenol	93		92		30-130.	1		50
3-Methylphenol/4-Methylphenol	95		90		30-130	5		50
2,4,5-Trichlorophenol	99		99		30-130	0		50
Benzoic Acid	33		33		10-66	0		50
Benzyl Alcohol	92		88		40-140	4		50
Carbazole	100		95		54-128	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		88		25-120
Phenol-d6	92		88		10-120
Nitrobenzene-d5	88		84		23-120
2-Fluorobiphenyl	97		94		30-120
2,4,6-Tribromophenol	109		108		10-136
4-Terphenyl-d14	109		102		18-120

PETROLEUM HYDROCARBONS

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-01	Date Collected:	03/16/15 09:50
Client ID:	SB-A1_3-4'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/18/15 12:24		
Analyst:	BS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	3100	60.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	88		70-130
4-Bromofluorobenzene	76		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-01 D	Date Collected:	03/16/15 09:50
Client ID:	SB-A1_3-4'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/19/15 18:09
Analytical Date:	03/20/15 09:22		
Analyst:	AR		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	996000		ug/kg	189000	12900	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	104		40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-02	Date Collected:	03/16/15 10:00
Client ID:	SB-A1_11-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/18/15 13:03		
Analyst:	BS		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	2500	48.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	89		70-130
4-Bromofluorobenzene	80		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-02	Date Collected:	03/16/15 10:00
Client ID:	SB-A1_11-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/19/15 18:09
Analytical Date:	03/20/15 10:24		
Analyst:	AR		
Percent Solids:	86%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	ND		ug/kg	37100	2530	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	82		40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-05	Date Collected:	03/16/15 10:50
Client ID:	SB-B2_1-2'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/18/15 13:43		
Analyst:	BS		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	3000	J	ug/kg	3300	64.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	92		70-130
4-Bromofluorobenzene	82		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-05 D	Date Collected:	03/16/15 10:50
Client ID:	SB-B2_1-2'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/19/15 18:09
Analytical Date:	03/20/15 11:42		
Analyst:	AR		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1020000		ug/kg	173000	11800	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90		40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-06 D	Date Collected:	03/16/15 11:15
Client ID:	SB-B1_10-11'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/18/15 17:01		
Analyst:	BS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	130000		ug/kg	6600	130	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	71		70-130
4-Bromofluorobenzene	71		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-06 D	Date Collected:	03/16/15 11:15
Client ID:	SB-B1_10-11'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/19/15 18:09
Analytical Date:	03/20/15 13:29		
Analyst:	AR		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	584000		ug/kg	80800	5510	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-09	Date Collected:	03/16/15 12:45
Client ID:	SB-C2_2-3'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/19/15 10:26		
Analyst:	BS		
Percent Solids:	96%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	3500	68.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	86		70-130
4-Bromofluorobenzene	71		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-09	Date Collected:	03/16/15 12:45
Client ID:	SB-C2_2-3'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/19/15 18:09
Analytical Date:	03/20/15 11:30		
Analyst:	AR		
Percent Solids:	96%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	8100	J	ug/kg	33300	2270	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	87		40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-10	Date Collected:	03/16/15 12:15
Client ID:	SB-C1_7-8'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/18/15 15:02		
Analyst:	BS		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	2700	51.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	89		70-130
4-Bromofluorobenzene	80		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-10	Date Collected:	03/16/15 12:15
Client ID:	SB-C1_7-8'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/19/15 18:09
Analytical Date:	03/20/15 12:04		
Analyst:	AR		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	3170	J	ug/kg	38500	2620	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	82		40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-13	Date Collected:	03/16/15 14:20
Client ID:	SB-D2_1-2'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/18/15 15:42		
Analyst:	BS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	3700		ug/kg	3600	69.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	87		70-130
4-Bromofluorobenzene	80		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-13 D	Date Collected:	03/16/15 14:20
Client ID:	SB-D2_1-2'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/19/15 18:09
Analytical Date:	03/20/15 13:11		
Analyst:	AR		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	17700000		ug/kg	1810000	123000	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	**0**	Q	40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-14	Date Collected:	03/16/15 15:00
Client ID:	SB-D2_7-8'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/18/15 16:21		
Analyst:	BS		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	2900	57.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	86		70-130
4-Bromofluorobenzene	79		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-14	Date Collected:	03/16/15 15:00
Client ID:	SB-D2_7-8'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/19/15 18:09
Analytical Date:	03/20/15 10:24		
Analyst:	AR		
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	8240	J	ug/kg	36700	2500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	95		40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-17 D	Date Collected:	03/16/15 00:00
Client ID:	WC_DUP01_031615	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/18/15 17:40		
Analyst:	BS		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	340000		ug/kg	27000	520	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	90		70-130
4-Bromofluorobenzene	79		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-17 D	Date Collected:	03/16/15 00:00
Client ID:	WC_DUP01_031615	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/19/15 18:09
Analytical Date:	03/20/15 13:29		
Analyst:	AR		
Percent Solids:	79%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	1290000		ug/kg	202000	13800	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	91		40-140

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 03/19/15 09:47
Analyst: BS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 09 Batch: WG768952-11					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	83		70-130
4-Bromofluorobenzene	73		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 03/18/15 09:06
Analyst: BS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-02,05-06,10,13-14,17 Batch: WG768952-8					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84		70-130
4-Bromofluorobenzene	72		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 03/20/15 09:18
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 03/19/15 18:09

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02,05-06,09-10,13-14,17 Batch: WG769495-1					
TPH	4360	J	ug/kg	32400	2210

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	76		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,05-06,10,13-14,17 Batch: WG768952-6 WG768952-7								
Gasoline Range Organics	84		89		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	101		98		70-130
4-Bromofluorobenzene	95		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 09 Batch: WG768952-9 WG768952-10								
Gasoline Range Organics	83		88		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	99		95		70-130
4-Bromofluorobenzene	94		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02,05-06,09-10,13-14,17 Batch: WG769495-2								
TPH	77		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	83				40-140

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,05-06,09-10,13-14,17 QC Batch ID: WG768952-5 QC Sample: L1504838-01 Client ID: MS Sample												
Gasoline Range Organics	86000	22200	100000	**63**	Q	-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	123				70-130
4-Bromofluorobenzene	89				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02,05-06,09-10,13-14,17 QC Batch ID: WG768952-4 QC Sample: L1504838-01 Client ID: DUP Sample						
Gasoline Range Organics	86000	86000	ug/kg	0		20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	119		123		70-130
4-Bromofluorobenzene	82		90		70-130

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02,05-06,09-10,13-14,17 QC Batch ID: WG769495-3 QC Sample: L1504955-01 Client ID: SB-A1_3-4'						
TPH	996000	1680000	ug/kg	**51**	Q	40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	104		80		40-140

PCBS

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-03	Date Collected:	03/16/15 10:10
Client ID:	COMP-A_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/19/15 01:51
Analytical Date:	03/19/15 16:00	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/19/15
Percent Solids:	91%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	2.74	1	A
Aroclor 1221	ND		ug/kg	34.7	3.20	1	A
Aroclor 1232	ND		ug/kg	34.7	4.06	1	A
Aroclor 1242	ND		ug/kg	34.7	4.24	1	A
Aroclor 1248	ND		ug/kg	34.7	2.92	1	A
Aroclor 1254	ND		ug/kg	34.7	2.85	1	A
Aroclor 1260	27.0	J	ug/kg	34.7	2.64	1	B
Aroclor 1262	ND		ug/kg	34.7	1.72	1	A
Aroclor 1268	8.99	J	ug/kg	34.7	5.03	1	A
PCBs, Total	36.0	J	ug/kg	34.7	1.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-04	Date Collected:	03/16/15 10:15
Client ID:	COMP-A_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/19/15 01:51
Analytical Date:	03/19/15 16:16	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/19/15
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	2.89	1	A
Aroclor 1221	ND		ug/kg	36.6	3.37	1	A
Aroclor 1232	ND		ug/kg	36.6	4.29	1	A
Aroclor 1242	ND		ug/kg	36.6	4.48	1	A
Aroclor 1248	ND		ug/kg	36.6	3.09	1	A
Aroclor 1254	ND		ug/kg	36.6	3.01	1	A
Aroclor 1260	ND		ug/kg	36.6	2.79	1	A
Aroclor 1262	ND		ug/kg	36.6	1.82	1	A
Aroclor 1268	ND		ug/kg	36.6	5.31	1	A
PCBs, Total	ND		ug/kg	36.6	1.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-07	Date Collected:	03/16/15 11:15
Client ID:	COMP-B_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/19/15 01:51
Analytical Date:	03/19/15 16:33	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/19/15
Percent Solids:	91%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	2.80	1	A
Aroclor 1221	ND		ug/kg	35.4	3.27	1	A
Aroclor 1232	ND		ug/kg	35.4	4.15	1	A
Aroclor 1242	ND		ug/kg	35.4	4.34	1	A
Aroclor 1248	ND		ug/kg	35.4	2.99	1	A
Aroclor 1254	ND		ug/kg	35.4	2.91	1	A
Aroclor 1260	ND		ug/kg	35.4	2.70	1	A
Aroclor 1262	ND		ug/kg	35.4	1.76	1	A
Aroclor 1268	ND		ug/kg	35.4	5.14	1	A
PCBs, Total	ND		ug/kg	35.4	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-08	Date Collected:	03/16/15 11:30
Client ID:	COMP-B_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/19/15 01:51
Analytical Date:	03/19/15 16:49	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/19/15
Percent Solids:	84%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.08	1	A
Aroclor 1221	ND		ug/kg	39.0	3.59	1	A
Aroclor 1232	ND		ug/kg	39.0	4.57	1	A
Aroclor 1242	ND		ug/kg	39.0	4.77	1	A
Aroclor 1248	ND		ug/kg	39.0	3.29	1	A
Aroclor 1254	ND		ug/kg	39.0	3.20	1	A
Aroclor 1260	ND		ug/kg	39.0	2.97	1	A
Aroclor 1262	ND		ug/kg	39.0	1.93	1	A
Aroclor 1268	ND		ug/kg	39.0	5.65	1	A
PCBs, Total	ND		ug/kg	39.0	1.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-11	Date Collected:	03/16/15 12:55
Client ID:	COMP-C_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/19/15 01:51
Analytical Date:	03/19/15 17:06	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/19/15
Percent Solids:	92%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.7	2.74	1	A
Aroclor 1221	ND		ug/kg	34.7	3.20	1	A
Aroclor 1232	ND		ug/kg	34.7	4.06	1	A
Aroclor 1242	ND		ug/kg	34.7	4.25	1	A
Aroclor 1248	ND		ug/kg	34.7	2.93	1	A
Aroclor 1254	ND		ug/kg	34.7	2.85	1	A
Aroclor 1260	ND		ug/kg	34.7	2.64	1	A
Aroclor 1262	ND		ug/kg	34.7	1.72	1	A
Aroclor 1268	ND		ug/kg	34.7	5.03	1	A
PCBs, Total	ND		ug/kg	34.7	1.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-12	Date Collected:	03/16/15 13:00
Client ID:	COMP-C_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/19/15 01:51
Analytical Date:	03/19/15 17:22	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/19/15
Percent Solids:	81%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	3.05	1	A
Aroclor 1221	ND		ug/kg	38.6	3.56	1	A
Aroclor 1232	ND		ug/kg	38.6	4.53	1	A
Aroclor 1242	ND		ug/kg	38.6	4.73	1	A
Aroclor 1248	ND		ug/kg	38.6	3.26	1	A
Aroclor 1254	ND		ug/kg	38.6	3.18	1	A
Aroclor 1260	ND		ug/kg	38.6	2.94	1	A
Aroclor 1262	ND		ug/kg	38.6	1.92	1	A
Aroclor 1268	ND		ug/kg	38.6	5.60	1	A
PCBs, Total	ND		ug/kg	38.6	1.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-15	Date Collected:	03/16/15 15:10
Client ID:	COMP-D_0-5'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/19/15 01:51
Analytical Date:	03/19/15 17:39	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/19/15
Percent Solids:	92%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	2.82	1	A
Aroclor 1221	ND		ug/kg	35.7	3.29	1	A
Aroclor 1232	ND		ug/kg	35.7	4.18	1	A
Aroclor 1242	ND		ug/kg	35.7	4.36	1	A
Aroclor 1248	ND		ug/kg	35.7	3.01	1	A
Aroclor 1254	ND		ug/kg	35.7	2.93	1	A
Aroclor 1260	ND		ug/kg	35.7	2.72	1	A
Aroclor 1262	ND		ug/kg	35.7	1.77	1	A
Aroclor 1268	ND		ug/kg	35.7	5.17	1	A
PCBs, Total	ND		ug/kg	35.7	1.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-16	Date Collected:	03/16/15 15:15
Client ID:	COMP-D_5-10'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/19/15 01:51
Analytical Date:	03/19/15 17:56	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/19/15
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.4	2.88	1	A
Aroclor 1221	ND		ug/kg	36.4	3.36	1	A
Aroclor 1232	ND		ug/kg	36.4	4.27	1	A
Aroclor 1242	ND		ug/kg	36.4	4.46	1	A
Aroclor 1248	ND		ug/kg	36.4	3.07	1	A
Aroclor 1254	ND		ug/kg	36.4	2.99	1	A
Aroclor 1260	ND		ug/kg	36.4	2.77	1	A
Aroclor 1262	ND		ug/kg	36.4	1.80	1	A
Aroclor 1268	ND		ug/kg	36.4	5.28	1	A
PCBs, Total	ND		ug/kg	36.4	1.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-18	Date Collected:	03/16/15 00:00
Client ID:	COMP_DUP01_031615	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/19/15 01:51
Analytical Date:	03/19/15 18:12	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/19/15
Percent Solids:	84%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.0	3.08	1	A
Aroclor 1221	ND		ug/kg	39.0	3.60	1	A
Aroclor 1232	ND		ug/kg	39.0	4.57	1	A
Aroclor 1242	ND		ug/kg	39.0	4.78	1	A
Aroclor 1248	ND		ug/kg	39.0	3.29	1	A
Aroclor 1254	ND		ug/kg	39.0	3.21	1	A
Aroclor 1260	ND		ug/kg	39.0	2.97	1	A
Aroclor 1262	ND		ug/kg	39.0	1.94	1	A
Aroclor 1268	ND		ug/kg	39.0	5.66	1	A
PCBs, Total	ND		ug/kg	39.0	1.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-19	Date Collected:	03/16/15 16:30
Client ID:	FB01_031615	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8082A	Extraction Date:	03/21/15 12:38
Analytical Date:	03/21/15 21:19	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	03/21/15
		Cleanup Method:	EPA 3660B
		Cleanup Date:	03/21/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	38		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	44		30-150	A

Project Name: 160 LEROY

Project Number: 170215701

Lab Number: L1504955

Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/19/15 08:54
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/19/15 00:21
Cleanup Method: EPA 3665A
Cleanup Date: 03/19/15
Cleanup Method: EPA 3660B
Cleanup Date: 03/19/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG769241-1						
Aroclor 1016	ND		ug/kg	32.2	2.54	A
Aroclor 1221	ND		ug/kg	32.2	2.97	A
Aroclor 1232	ND		ug/kg	32.2	3.77	A
Aroclor 1242	ND		ug/kg	32.2	3.94	A
Aroclor 1248	ND		ug/kg	32.2	2.72	A
Aroclor 1254	ND		ug/kg	32.2	2.64	A
Aroclor 1260	ND		ug/kg	32.2	2.45	A
Aroclor 1262	ND		ug/kg	32.2	1.60	A
Aroclor 1268	ND		ug/kg	32.2	4.66	A
PCBs, Total	ND		ug/kg	32.2	1.60	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 160 LEROY

Project Number: 170215701

Lab Number: L1504955

Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/21/15 21:31
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 03/21/15 12:38
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/15
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 19 Batch: WG769887-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	90		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG769241-2 WG769241-3									
Aroclor 1016	63		77		40-140	20		50	A
Aroclor 1260	68		82		40-140	19		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		72		30-150	A
Decachlorobiphenyl	67		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		77		30-150	B
Decachlorobiphenyl	76		90		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 19 Batch: WG769887-2 WG769887-3									
Aroclor 1016	76		68		40-140	12		50	A
Aroclor 1260	88		79		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		57		30-150	B
Decachlorobiphenyl	65		66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		64		30-150	A
Decachlorobiphenyl	71		74		30-150	A

PESTICIDES

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-03	Date Collected:	03/16/15 10:10
Client ID:	COMP-A_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/20/15 05:22
Analytical Date:	03/20/15 21:50	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	91%		
TCLP/SPLP Ext. Date:	03/18/15 16:22		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-03	Date Collected:	03/16/15 10:10
Client ID:	COMP-A_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/19/15 16:40
Analytical Date:	03/23/15 11:32	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	20.2		ug/kg	1.73	0.400	1	A
4,4'-DDD	48.6		ug/kg	1.73	0.617	1	B
4,4'-DDT	63.7		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	ND		ug/kg	2.16	0.602	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.0	5.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	108		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-03	Date Collected:	03/16/15 10:10
Client ID:	COMP-A_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/19/15 08:56
Analytical Date:	03/20/15 23:54		
Analyst:	SS		
Percent Solids:	91%		
TCLP/SPLP Ext. Date:	03/18/15 16:22		
Methylation Date:	03/20/15 10:43		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	85		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-03	Date Collected:	03/16/15 10:10
Client ID:	COMP-A_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/20/15 14:51
Analytical Date:	03/22/15 04:07		
Analyst:	SS		
Percent Solids:	91%		
Methylation Date:	03/21/15 22:20		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	21.7	1	A
2,4,5-T	ND		ug/kg	178	11.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	9.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	35		30-150	A
DCAA	35		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-04	Date Collected:	03/16/15 10:15
Client ID:	COMP-A_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/23/15 11:51
Analytical Date:	03/23/15 23:59	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	03/23/15
Percent Solids:	87%		
TCLP/SPLP Ext. Date:	03/18/15 16:22		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-04	Date Collected:	03/16/15 10:15
Client ID:	COMP-A_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/19/15 16:40
Analytical Date:	03/20/15 15:52	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.756	0.338	1	A
Alpha-BHC	ND		ug/kg	0.756	0.215	1	A
Beta-BHC	ND		ug/kg	1.81	0.688	1	A
Heptachlor	ND		ug/kg	0.907	0.407	1	A
Aldrin	ND		ug/kg	1.81	0.639	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.756	0.310	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	ND		ug/kg	1.13	0.567	1	A
4,4'-DDE	ND		ug/kg	1.81	0.420	1	A
4,4'-DDD	ND		ug/kg	1.81	0.647	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.429	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.756	0.360	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.52	1	A
cis-Chlordane	ND		ug/kg	2.27	0.632	1	A
trans-Chlordane	ND		ug/kg	2.27	0.599	1	A
Chlordane	ND		ug/kg	14.7	6.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	46		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-04	Date Collected:	03/16/15 10:15
Client ID:	COMP-A_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/19/15 08:56
Analytical Date:	03/21/15 00:13		
Analyst:	SS		
Percent Solids:	87%		
TCLP/SPLP Ext. Date:	03/18/15 16:22		
Methylation Date:	03/20/15 10:43		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	55		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-04	Date Collected:	03/16/15 10:15
Client ID:	COMP-A_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/20/15 14:51
Analytical Date:	03/22/15 04:46		
Analyst:	SS		
Percent Solids:	87%		
Methylation Date:	03/21/15 22:20		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	23.1	1	A
2,4,5-T	ND		ug/kg	190	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	10.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	70		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-07	Date Collected:	03/16/15 11:15
Client ID:	COMP-B_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/20/15 05:22
Analytical Date:	03/20/15 22:23	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	91%		
TCLP/SPLP Ext. Date:	03/18/15 16:22		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-07	Date Collected:	03/16/15 11:15
Client ID:	COMP-B_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/19/15 16:40
Analytical Date:	03/20/15 16:09	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.338	1	A
Lindane	ND		ug/kg	0.720	0.322	1	A
Alpha-BHC	ND		ug/kg	0.720	0.204	1	A
Beta-BHC	ND		ug/kg	1.73	0.655	1	A
Heptachlor	ND		ug/kg	0.864	0.387	1	A
Aldrin	ND		ug/kg	1.73	0.608	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.972	1	A
Endrin	ND		ug/kg	0.720	0.295	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.616	1	A
4,4'-DDT	ND		ug/kg	3.24	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.408	1	A
Endosulfan II	ND		ug/kg	1.73	0.577	1	A
Endosulfan sulfate	ND		ug/kg	0.720	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.07	1	A
cis-Chlordane	ND		ug/kg	2.16	0.602	1	A
trans-Chlordane	ND		ug/kg	2.16	0.570	1	A
Chlordane	ND		ug/kg	14.0	5.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	88		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-07	Date Collected:	03/16/15 11:15
Client ID:	COMP-B_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/19/15 08:56
Analytical Date:	03/21/15 00:33		
Analyst:	SS		
Percent Solids:	91%		
TCLP/SPLP Ext. Date:	03/18/15 16:22		
Methylation Date:	03/20/15 10:43		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	76		30-150	A
DCAA	63		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-07	Date Collected:	03/16/15 11:15
Client ID:	COMP-B_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/20/15 14:51
Analytical Date:	03/22/15 05:06		
Analyst:	SS		
Percent Solids:	91%		
Methylation Date:	03/21/15 22:20		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	22.1	1	A
2,4,5-T	ND		ug/kg	182	11.4	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	10.0	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	72		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-08	Date Collected:	03/16/15 11:30
Client ID:	COMP-B_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/19/15 16:40
Analytical Date:	03/20/15 16:25	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.337	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.310	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	3.40	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.606	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.51	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	ND		ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	14.7	6.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	46		30-150	B
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	39		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-08	Date Collected:	03/16/15 11:30
Client ID:	COMP-B_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/20/15 14:51
Analytical Date:	03/22/15 05:25		
Analyst:	SS		
Percent Solids:	84%		
Methylation Date:	03/21/15 22:20		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	194	23.6	1	A
2,4,5-T	ND		ug/kg	194	12.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	194	10.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	74		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-11	Date Collected:	03/16/15 12:55
Client ID:	COMP-C_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/20/15 05:22
Analytical Date:	03/20/15 22:39	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	92%		
TCLP/SPLP Ext. Date:	03/18/15 16:22		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-11	Date Collected:	03/16/15 12:55
Client ID:	COMP-C_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/19/15 16:40
Analytical Date:	03/20/15 16:41	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.329	1	A
Lindane	ND		ug/kg	0.700	0.313	1	A
Alpha-BHC	ND		ug/kg	0.700	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.637	1	A
Heptachlor	ND		ug/kg	0.840	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.591	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.944	1	A
Endrin	ND		ug/kg	0.700	0.287	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.525	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.599	1	A
4,4'-DDT	ND		ug/kg	3.15	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.397	1	A
Endosulfan II	ND		ug/kg	1.68	0.561	1	A
Endosulfan sulfate	ND		ug/kg	0.700	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.979	1	A
Toxaphene	ND		ug/kg	31.5	8.82	1	A
cis-Chlordane	1.22	J	ug/kg	2.10	0.585	1	A
trans-Chlordane	ND		ug/kg	2.10	0.554	1	A
Chlordane	ND		ug/kg	13.6	5.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-11	Date Collected:	03/16/15 12:55
Client ID:	COMP-C_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/19/15 08:56
Analytical Date:	03/20/15 18:36		
Analyst:	SS		
Percent Solids:	92%		
TCLP/SPLP Ext. Date:	03/18/15 16:22		
Methylation Date:	03/20/15 10:43		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	66		30-150	A
DCAA	56		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-11	Date Collected:	03/16/15 12:55
Client ID:	COMP-C_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/20/15 14:51
Analytical Date:	03/22/15 05:45		
Analyst:	SS		
Percent Solids:	92%		
Methylation Date:	03/21/15 22:20		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	21.6	1	A
2,4,5-T	ND		ug/kg	178	11.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	9.81	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	79		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-12	Date Collected:	03/16/15 13:00
Client ID:	COMP-C_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/19/15 16:40
Analytical Date:	03/20/15 16:58	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.779	0.348	1	A
Alpha-BHC	ND		ug/kg	0.779	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.709	1	A
Heptachlor	ND		ug/kg	0.935	0.419	1	A
Aldrin	ND		ug/kg	1.87	0.658	1	A
Heptachlor epoxide	ND		ug/kg	3.50	1.05	1	A
Endrin	ND		ug/kg	0.779	0.319	1	A
Endrin ketone	ND		ug/kg	1.87	0.481	1	A
Dieldrin	ND		ug/kg	1.17	0.584	1	A
4,4'-DDE	ND		ug/kg	1.87	0.432	1	A
4,4'-DDD	ND		ug/kg	1.87	0.667	1	A
4,4'-DDT	ND		ug/kg	3.50	1.50	1	A
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.625	1	A
Endosulfan sulfate	ND		ug/kg	0.779	0.371	1	A
Methoxychlor	ND		ug/kg	3.50	1.09	1	A
Toxaphene	ND		ug/kg	35.0	9.81	1	A
cis-Chlordane	ND		ug/kg	2.34	0.651	1	A
trans-Chlordane	ND		ug/kg	2.34	0.617	1	A
Chlordane	ND		ug/kg	15.2	6.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	61		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-12	Date Collected:	03/16/15 13:00
Client ID:	COMP-C_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/20/15 14:51
Analytical Date:	03/22/15 06:05		
Analyst:	SS		
Percent Solids:	81%		
Methylation Date:	03/21/15 22:20		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	204	24.8	1	A
2,4,5-T	ND		ug/kg	204	12.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	204	11.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	76		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-15	Date Collected:	03/16/15 15:10
Client ID:	COMP-D_0-5'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/20/15 05:22
Analytical Date:	03/20/15 22:55	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	92%		
TCLP/SPLP Ext. Date:	03/18/15 16:22		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-15	Date Collected:	03/16/15 15:10
Client ID:	COMP-D_0-5'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/19/15 16:40
Analytical Date:	03/20/15 17:15	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.324	1	A
Lindane	ND		ug/kg	0.689	0.308	1	A
Alpha-BHC	ND		ug/kg	0.689	0.196	1	A
Beta-BHC	ND		ug/kg	1.65	0.627	1	A
Heptachlor	ND		ug/kg	0.827	0.371	1	A
Aldrin	ND		ug/kg	1.65	0.582	1	A
Heptachlor epoxide	ND		ug/kg	3.10	0.930	1	A
Endrin	ND		ug/kg	0.689	0.282	1	A
Endrin ketone	ND		ug/kg	1.65	0.426	1	A
Dieldrin	ND		ug/kg	1.03	0.517	1	A
4,4'-DDE	ND		ug/kg	1.65	0.382	1	A
4,4'-DDD	ND		ug/kg	1.65	0.590	1	A
4,4'-DDT	ND		ug/kg	3.10	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.391	1	A
Endosulfan II	ND		ug/kg	1.65	0.552	1	A
Endosulfan sulfate	ND		ug/kg	0.689	0.328	1	A
Methoxychlor	ND		ug/kg	3.10	0.965	1	A
Toxaphene	ND		ug/kg	31.0	8.68	1	A
cis-Chlordane	ND		ug/kg	2.07	0.576	1	A
trans-Chlordane	2.72	PI	ug/kg	2.07	0.546	1	B
Chlordane	ND		ug/kg	13.4	5.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	84		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-15	Date Collected:	03/16/15 15:10
Client ID:	COMP-D_0-5'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/19/15 08:56
Analytical Date:	03/20/15 18:55		
Analyst:	SS		
Percent Solids:	92%		
TCLP/SPLP Ext. Date:	03/18/15 16:22		
Methylation Date:	03/20/15 10:43		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	49		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-15	Date Collected:	03/16/15 15:10
Client ID:	COMP-D_0-5'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/20/15 14:51
Analytical Date:	03/22/15 06:24		
Analyst:	SS		
Percent Solids:	92%		
Methylation Date:	03/21/15 22:20		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	21.6	1	A
2,4,5-T	ND		ug/kg	177	11.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	9.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	77		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-16	Date Collected:	03/16/15 15:15
Client ID:	COMP-D_5-10'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/19/15 16:40
Analytical Date:	03/20/15 17:31	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.346	1	A
Lindane	ND		ug/kg	0.735	0.329	1	A
Alpha-BHC	ND		ug/kg	0.735	0.209	1	A
Beta-BHC	ND		ug/kg	1.76	0.669	1	A
Heptachlor	ND		ug/kg	0.882	0.396	1	A
Aldrin	ND		ug/kg	1.76	0.621	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.993	1	A
Endrin	ND		ug/kg	0.735	0.302	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.76	0.408	1	A
4,4'-DDD	ND		ug/kg	1.76	0.630	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.417	1	A
Endosulfan II	ND		ug/kg	1.76	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.735	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.27	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.582	1	A
Chlordane	ND		ug/kg	14.3	5.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-16	Date Collected:	03/16/15 15:15
Client ID:	COMP-D_5-10'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/20/15 14:51
Analytical Date:	03/22/15 06:44		
Analyst:	SS		
Percent Solids:	87%		
Methylation Date:	03/21/15 22:20		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	23.1	1	A
2,4,5-T	ND		ug/kg	190	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	10.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	82		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-18	Date Collected:	03/16/15 00:00
Client ID:	COMP_DUP01_031615	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/19/15 16:40
Analytical Date:	03/20/15 17:47	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/20/15
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.754	0.337	1	A
Alpha-BHC	ND		ug/kg	0.754	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.686	1	A
Heptachlor	ND		ug/kg	0.905	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.637	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.754	0.309	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.418	1	A
4,4'-DDD	ND		ug/kg	1.81	0.645	1	A
4,4'-DDT	ND		ug/kg	3.39	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.754	0.359	1	A
Methoxychlor	ND		ug/kg	3.39	1.06	1	A
Toxaphene	ND		ug/kg	33.9	9.50	1	A
cis-Chlordane	ND		ug/kg	2.26	0.630	1	A
trans-Chlordane	ND		ug/kg	2.26	0.597	1	A
Chlordane	ND		ug/kg	14.7	5.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-18	Date Collected:	03/16/15 00:00
Client ID:	COMP_DUP01_031615	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/20/15 14:51
Analytical Date:	03/22/15 07:04		
Analyst:	SS		
Percent Solids:	84%		
Methylation Date:	03/21/15 22:20		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	1840	224.	1	A
2,4,5-T	ND		ug/kg	1840	115.	1	A
2,4,5-TP (Silvex)	ND		ug/kg	1840	102.	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	68		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-19	Date Collected:	03/16/15 16:30
Client ID:	FB01_031615	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/19/15 17:18
Analytical Date:	03/20/15 22:41	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	03/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-19	Date Collected:	03/16/15 16:30
Client ID:	FB01_031615	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/20/15 07:40
Analytical Date:	03/22/15 02:09		
Analyst:	SS		

Methylation Date: 03/21/15 17:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	78		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/19/15 19:02
Analyst: SS
TCLP Extraction Date: 03/18/15 16:22
Methylation Date: 03/19/15 14:53

Extraction Method: EPA 8151A
Extraction Date: 03/19/15 08:56

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 03-04,07,11,15 Batch: WG769309-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	45		30-150	A
DCAA	37		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/20/15 14:49
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/19/15 16:40
Cleanup Method: EPA 3620B
Cleanup Date: 03/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG769483-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.595	A
Heptachlor	ND		ug/kg	0.785	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.94	0.883	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.981	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	2.94	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.524	A
Endosulfan sulfate	ND		ug/kg	0.654	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.916	A
Toxaphene	ND		ug/kg	29.4	8.24	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	0.751	JPI	ug/kg	1.96	0.518	B
Chlordane	ND		ug/kg	12.8	5.20	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/20/15 14:49
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/19/15 16:40
Cleanup Method: EPA 3620B
Cleanup Date: 03/20/15

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG769483-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	51		30-150	A

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/20/15 22:02
Analyst: GP

Extraction Method: EPA 3510C
Extraction Date: 03/19/15 17:18
Cleanup Method: EPA 3620B
Cleanup Date: 03/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 19 Batch: WG769490-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/20/15 20:46
Analyst: JW
TCLP Extraction Date: 03/18/15 16:22

Extraction Method: EPA 3510C
Extraction Date: 03/20/15 05:22
Cleanup Method: EPA 3620B
Cleanup Date: 03/20/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 03,07,11,15 Batch: WG769577-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/22/15 01:10
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 03/20/15 07:40

Methylation Date: 03/21/15 17:40

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 19 Batch: WG769592-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.488	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	72		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/22/15 03:08
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 03/20/15 14:51

Methylation Date: 03/21/15 22:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG769735-1						
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.95	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	79		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/15 23:43
Analyst: SS
TCLP Extraction Date: 03/18/15 16:22

Extraction Method: EPA 3510C
Extraction Date: 03/23/15 11:51
Cleanup Method: EPA 3620B
Cleanup Date: 03/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 04 Batch: WG770121-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	56		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07,11,15 Batch: WG769309-2 WG769309-3									
2,4-D	87		88		30-150	1		25	A
2,4,5-TP (Silvex)	45		44		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	58		57		30-150	A
DCAA	33		32		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG769483-2 WG769483-3									
Delta-BHC	52		57		30-150	9		30	A
Lindane	63		71		30-150	12		30	A
Alpha-BHC	72		80		30-150	11		30	A
Beta-BHC	64		71		30-150	10		30	A
Heptachlor	60		67		30-150	11		30	A
Aldrin	67		74		30-150	10		30	A
Heptachlor epoxide	61		68		30-150	11		30	A
Endrin	66		73		30-150	10		30	A
Endrin ketone	55		62		30-150	12		30	A
Dieldrin	64		71		30-150	10		30	A
4,4'-DDE	60		67		30-150	11		30	A
4,4'-DDD	54		62		30-150	14		30	A
4,4'-DDT	52		60		30-150	14		30	A
Endosulfan I	58		65		30-150	11		30	A
Endosulfan II	55		61		30-150	10		30	A
Endosulfan sulfate	57		64		30-150	12		30	A
Methoxychlor	60		68		30-150	13		30	A
cis-Chlordane	60		66		30-150	10		30	A
trans-Chlordane	72		79		30-150	9		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG769483-2 WG769483-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		70		30-150	B
Decachlorobiphenyl	47		55		30-150	B
2,4,5,6-Tetrachloro-m-xylene	56		62		30-150	A
Decachlorobiphenyl	48		54		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 19 Batch: WG769490-2 WG769490-3									
Delta-BHC	84		87		30-150	4		20	A
Lindane	93		94		30-150	1		20	A
Alpha-BHC	98		105		30-150	7		20	A
Beta-BHC	92		125		30-150	**30**	Q	20	A
Heptachlor	103		108		30-150	5		20	A
Aldrin	93		99		30-150	7		20	A
Heptachlor epoxide	91		96		30-150	5		20	A
Endrin	103		111		30-150	7		20	A
Endrin ketone	82		88		30-150	7		20	A
Dieldrin	100		107		30-150	7		20	A
4,4'-DDE	103		112		30-150	8		20	A
4,4'-DDD	103		111		30-150	7		20	A
4,4'-DDT	105		114		30-150	8		20	A
Endosulfan I	91		100		30-150	10		20	A
Endosulfan II	91		99		30-150	8		20	A
Endosulfan sulfate	76		82		30-150	7		20	A
Methoxychlor	110		120		30-150	9		20	A
cis-Chlordane	89		95		30-150	7		20	A
trans-Chlordane	121		130		30-150	7		20	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 19 Batch: WG769490-2 WG769490-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		84		30-150	A
Decachlorobiphenyl	67		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		87		30-150	B
Decachlorobiphenyl	95		99		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 03,07,11,15 Batch: WG769577-2 WG769577-3									
Lindane	84		105		30-150	**22**	Q	20	A
Heptachlor	88		110		30-150	**23**	Q	20	A
Heptachlor epoxide	82		104		30-150	**23**	Q	20	A
Endrin	98		124		30-150	**24**	Q	20	A
Methoxychlor	96		122		30-150	**24**	Q	20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		73		30-150	A
Decachlorobiphenyl	53		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		84		30-150	B
Decachlorobiphenyl	61		80		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 19 Batch: WG769592-2 WG769592-3									
2,4-D	80		89		30-150	11		25	A
2,4,5-T	85		94		30-150	10		25	A
2,4,5-TP (Silvex)	78		87		30-150	11		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	72		80		30-150	A
DCAA	76		84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 160 LEROY

Project Number: 170215701

Lab Number: L1504955

Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG769735-2 WG769735-3									
2,4-D	88		88		30-150	0		30	A
2,4,5-T	86		86		30-150	0		30	A
2,4,5-TP (Silvex)	80		80		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	79		79		30-150	A
DCAA	74		72		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 04 Batch: WG770121-2 WG770121-3									
Lindane	108		93		30-150	15		20	A
Heptachlor	126		106		30-150	17		20	A
Heptachlor epoxide	111		93		30-150	18		20	A
Endrin	126		105		30-150	18		20	A
Methoxychlor	133		110		30-150	19		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		75		30-150	A
Decachlorobiphenyl	72		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		74		30-150	B
Decachlorobiphenyl	69		68		30-150	B

METALS

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-03	Date Collected:	03/16/15 10:10
Client ID:	COMP-A_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	03/18/15 16:22
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	03/20/15 08:39	03/20/15 17:55	EPA 3015	1,6010C	MG
Barium, TCLP	0.64		mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 17:55	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	03/20/15 08:39	03/20/15 17:55	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	03/20/15 08:39	03/20/15 17:55	EPA 3015	1,6010C	MG
Lead, TCLP	0.61		mg/l	0.50	0.02	1	03/20/15 08:39	03/20/15 17:55	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/15 11:35	03/19/15 18:15	EPA 7470A	1,7470A	AB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 17:55	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	03/20/15 08:39	03/20/15 17:55	EPA 3015	1,6010C	MG

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-03
Client ID: COMP-A_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 03/16/15 10:10
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4200		mg/kg	8.4	1.7	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Antimony, Total	8.2		mg/kg	4.2	0.68	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Arsenic, Total	5.3		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Barium, Total	49		mg/kg	0.84	0.25	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Beryllium, Total	0.28	J	mg/kg	0.42	0.08	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Cadmium, Total	0.26	J	mg/kg	0.84	0.06	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Calcium, Total	53000		mg/kg	8.4	2.5	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Chromium, Total	13		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Cobalt, Total	5.7		mg/kg	1.7	0.42	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Copper, Total	45		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Iron, Total	9900		mg/kg	4.2	1.7	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Lead, Total	130		mg/kg	4.2	0.17	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Magnesium, Total	24000		mg/kg	8.4	0.84	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Manganese, Total	250		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Mercury, Total	1.1		mg/kg	0.07	0.01	1	03/17/15 06:51	03/17/15 12:36	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.1	0.34	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Potassium, Total	840		mg/kg	210	34.	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.7	0.25	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Sodium, Total	270		mg/kg	170	25.	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.7	0.34	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Vanadium, Total	13		mg/kg	0.84	0.08	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC
Zinc, Total	75		mg/kg	4.2	0.59	2	03/17/15 13:49	03/18/15 14:40	EPA 3050B	1,6010C	BC

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-04	Date Collected:	03/16/15 10:15
Client ID:	COMP-A_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	03/18/15 16:22
Percent Solids:	87%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	03/20/15 08:39	03/20/15 17:59	EPA 3015	1,6010C	MG
Barium, TCLP	0.35	J	mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 17:59	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	03/20/15 08:39	03/20/15 17:59	EPA 3015	1,6010C	MG
Chromium, TCLP	0.02	J	mg/l	0.20	0.02	1	03/20/15 08:39	03/20/15 17:59	EPA 3015	1,6010C	MG
Lead, TCLP	0.04	J	mg/l	0.50	0.02	1	03/20/15 08:39	03/20/15 17:59	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/15 11:35	03/19/15 18:21	EPA 7470A	1,7470A	AB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 17:59	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	03/20/15 08:39	03/20/15 17:59	EPA 3015	1,6010C	MG

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-04
Client ID: COMP-A_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 03/16/15 10:15
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6400		mg/kg	9.1	1.8	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.6	0.73	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Arsenic, Total	3.3		mg/kg	0.91	0.18	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Barium, Total	29		mg/kg	0.91	0.27	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Beryllium, Total	0.32	J	mg/kg	0.46	0.09	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.91	0.06	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Calcium, Total	26000		mg/kg	9.1	2.7	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Chromium, Total	11		mg/kg	0.91	0.18	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Cobalt, Total	4.9		mg/kg	1.8	0.46	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Copper, Total	14		mg/kg	0.91	0.18	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Iron, Total	11000		mg/kg	4.6	1.8	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Lead, Total	12		mg/kg	4.6	0.18	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Magnesium, Total	15000		mg/kg	9.1	0.91	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Manganese, Total	160		mg/kg	0.91	0.18	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Mercury, Total	0.09		mg/kg	0.08	0.02	1	03/17/15 06:51	03/17/15 12:38	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.3	0.36	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Potassium, Total	630		mg/kg	230	36.	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.8	0.27	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.91	0.18	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Sodium, Total	140	J	mg/kg	180	27.	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.36	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Vanadium, Total	14		mg/kg	0.91	0.09	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC
Zinc, Total	29		mg/kg	4.6	0.64	2	03/17/15 13:49	03/18/15 14:44	EPA 3050B	1,6010C	BC

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-07	Date Collected:	03/16/15 11:15
Client ID:	COMP-B_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	03/18/15 16:22
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	03/20/15 08:39	03/20/15 18:03	EPA 3015	1,6010C	MG
Barium, TCLP	0.30	J	mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 18:03	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	03/20/15 08:39	03/20/15 18:03	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	03/20/15 08:39	03/20/15 18:03	EPA 3015	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	03/20/15 08:39	03/20/15 18:03	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/15 11:35	03/19/15 18:22	EPA 7470A	1,7470A	AB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 18:03	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	03/20/15 08:39	03/20/15 18:03	EPA 3015	1,6010C	MG

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-07
Client ID: COMP-B_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 03/16/15 11:15
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5600		mg/kg	8.4	1.7	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Antimony, Total	260		mg/kg	4.2	0.67	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Arsenic, Total	17		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Barium, Total	190		mg/kg	0.84	0.25	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Beryllium, Total	0.31	J	mg/kg	0.42	0.08	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Cadmium, Total	1.4		mg/kg	0.84	0.06	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Calcium, Total	17000		mg/kg	8.4	2.5	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Chromium, Total	20		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Cobalt, Total	7.5		mg/kg	1.7	0.42	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Copper, Total	280		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Iron, Total	22000		mg/kg	4.2	1.7	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Lead, Total	2200		mg/kg	4.2	0.17	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Magnesium, Total	3500		mg/kg	8.4	0.84	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Manganese, Total	320		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Mercury, Total	0.74		mg/kg	0.08	0.02	1	03/17/15 06:51	03/17/15 12:40	EPA 7471B	1,7471B	MC
Nickel, Total	21		mg/kg	2.1	0.34	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Potassium, Total	1000		mg/kg	210	34.	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.7	0.25	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Silver, Total	1.7		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Sodium, Total	630		mg/kg	170	25.	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.7	0.34	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Vanadium, Total	18		mg/kg	0.84	0.08	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC
Zinc, Total	620		mg/kg	4.2	0.59	2	03/17/15 13:49	03/18/15 14:48	EPA 3050B	1,6010C	BC

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-08
Client ID: COMP-B_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 03/16/15 11:30
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8500		mg/kg	9.1	1.8	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Antimony, Total	23		mg/kg	4.6	0.73	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Arsenic, Total	4.8		mg/kg	0.91	0.18	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Barium, Total	42		mg/kg	0.91	0.27	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Beryllium, Total	0.36	J	mg/kg	0.46	0.09	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Cadmium, Total	0.10	J	mg/kg	0.91	0.06	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Calcium, Total	2200		mg/kg	9.1	2.7	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Chromium, Total	13		mg/kg	0.91	0.18	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Cobalt, Total	6.3		mg/kg	1.8	0.46	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Copper, Total	25		mg/kg	0.91	0.18	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Iron, Total	14000		mg/kg	4.6	1.8	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Lead, Total	190		mg/kg	4.6	0.18	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Magnesium, Total	2600		mg/kg	9.1	0.91	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Manganese, Total	290		mg/kg	0.91	0.18	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Mercury, Total	0.19		mg/kg	0.08	0.02	1	03/17/15 06:51	03/17/15 12:42	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.3	0.36	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Potassium, Total	620		mg/kg	230	36.	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.8	0.27	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.91	0.18	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Sodium, Total	250		mg/kg	180	27.	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.36	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Vanadium, Total	15		mg/kg	0.91	0.09	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC
Zinc, Total	86		mg/kg	4.6	0.64	2	03/17/15 13:49	03/18/15 14:51	EPA 3050B	1,6010C	BC

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-11	Date Collected:	03/16/15 12:55
Client ID:	COMP-C_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	03/18/15 16:22
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	03/20/15 08:39	03/20/15 18:06	EPA 3015	1,6010C	MG
Barium, TCLP	0.62		mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 18:06	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	03/20/15 08:39	03/20/15 18:06	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	03/20/15 08:39	03/20/15 18:06	EPA 3015	1,6010C	MG
Lead, TCLP	1.0		mg/l	0.50	0.02	1	03/20/15 08:39	03/20/15 18:06	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/15 11:35	03/19/15 18:24	EPA 7470A	1,7470A	AB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 18:06	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	03/20/15 08:39	03/20/15 18:06	EPA 3015	1,6010C	MG

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-11
Client ID: COMP-C_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 03/16/15 12:55
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	8.4	1.7	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Antimony, Total	51		mg/kg	4.2	0.67	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Arsenic, Total	4.4		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Barium, Total	96		mg/kg	0.84	0.25	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Beryllium, Total	0.32	J	mg/kg	0.42	0.08	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Cadmium, Total	0.20	J	mg/kg	0.84	0.06	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Calcium, Total	12000		mg/kg	8.4	2.5	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Chromium, Total	14		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Cobalt, Total	4.9		mg/kg	1.7	0.42	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Copper, Total	60		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Iron, Total	12000		mg/kg	4.2	1.7	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Lead, Total	550		mg/kg	4.2	0.17	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Magnesium, Total	4000		mg/kg	8.4	0.84	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Manganese, Total	290		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Mercury, Total	0.50		mg/kg	0.07	0.02	1	03/17/15 06:51	03/17/15 12:44	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.1	0.34	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Potassium, Total	960		mg/kg	210	34.	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.7	0.25	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.84	0.17	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Sodium, Total	440		mg/kg	170	25.	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.7	0.34	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Vanadium, Total	15		mg/kg	0.84	0.08	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC
Zinc, Total	180		mg/kg	4.2	0.59	2	03/17/15 13:49	03/18/15 14:55	EPA 3050B	1,6010C	BC

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-12
Client ID: COMP-C_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 03/16/15 13:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9100		mg/kg	9.4	1.9	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Antimony, Total	ND		mg/kg	4.7	0.75	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Arsenic, Total	3.4		mg/kg	0.94	0.19	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Barium, Total	43		mg/kg	0.94	0.28	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Beryllium, Total	0.48		mg/kg	0.47	0.09	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.94	0.07	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Calcium, Total	920		mg/kg	9.4	2.8	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Chromium, Total	14		mg/kg	0.94	0.19	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Cobalt, Total	6.5		mg/kg	1.9	0.47	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Copper, Total	14		mg/kg	0.94	0.19	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Iron, Total	13000		mg/kg	4.7	1.9	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Lead, Total	13		mg/kg	4.7	0.19	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Magnesium, Total	2300		mg/kg	9.4	0.94	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Manganese, Total	410		mg/kg	0.94	0.19	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Mercury, Total	0.06	J	mg/kg	0.08	0.02	1	03/17/15 06:51	03/17/15 12:46	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.4	0.38	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Potassium, Total	570		mg/kg	240	38.	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.9	0.28	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.94	0.19	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Sodium, Total	310		mg/kg	190	28.	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.9	0.38	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Vanadium, Total	16		mg/kg	0.94	0.09	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC
Zinc, Total	33		mg/kg	4.7	0.66	2	03/17/15 13:49	03/18/15 14:59	EPA 3050B	1,6010C	BC

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-15
Client ID: COMP-D_0-5'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 03/16/15 15:10
Date Received: 03/16/15
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 03/18/15 16:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	03/20/15 08:39	03/20/15 18:10	EPA 3015	1,6010C	MG
Barium, TCLP	0.48	J	mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 18:10	EPA 3015	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	03/20/15 08:39	03/20/15 18:10	EPA 3015	1,6010C	MG
Chromium, TCLP	0.03	J	mg/l	0.20	0.02	1	03/20/15 08:39	03/20/15 18:10	EPA 3015	1,6010C	MG
Lead, TCLP	0.03	J	mg/l	0.50	0.02	1	03/20/15 08:39	03/20/15 18:10	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/15 11:35	03/19/15 18:26	EPA 7470A	1,7470A	AB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 18:10	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	03/20/15 08:39	03/20/15 18:10	EPA 3015	1,6010C	MG

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-15
Client ID: COMP-D_0-5'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 03/16/15 15:10
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3900		mg/kg	8.3	1.7	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Antimony, Total	40		mg/kg	4.2	0.66	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Arsenic, Total	6.4		mg/kg	0.83	0.17	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Barium, Total	150		mg/kg	0.83	0.25	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Beryllium, Total	0.24	J	mg/kg	0.42	0.08	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Cadmium, Total	0.45	J	mg/kg	0.83	0.06	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Calcium, Total	53000		mg/kg	8.3	2.5	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Chromium, Total	14		mg/kg	0.83	0.17	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Cobalt, Total	3.6		mg/kg	1.7	0.42	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Copper, Total	120		mg/kg	0.83	0.17	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Iron, Total	13000		mg/kg	4.2	1.7	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Lead, Total	370		mg/kg	4.2	0.17	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Magnesium, Total	20000		mg/kg	8.3	0.83	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Manganese, Total	250		mg/kg	0.83	0.17	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Mercury, Total	0.89		mg/kg	0.08	0.02	1	03/17/15 06:51	03/17/15 12:47	EPA 7471B	1,7471B	MC
Nickel, Total	13		mg/kg	2.1	0.33	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Potassium, Total	680		mg/kg	210	33.	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.7	0.25	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.83	0.17	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Sodium, Total	430		mg/kg	170	25.	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.7	0.33	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Vanadium, Total	13		mg/kg	0.83	0.08	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC
Zinc, Total	280		mg/kg	4.2	0.58	2	03/17/15 13:49	03/18/15 15:03	EPA 3050B	1,6010C	BC

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-16
Client ID: COMP-D_5-10'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 03/16/15 15:15
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5400		mg/kg	8.9	1.8	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Antimony, Total	1.4	J	mg/kg	4.4	0.71	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Arsenic, Total	2.9		mg/kg	0.89	0.18	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Barium, Total	42		mg/kg	0.89	0.26	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Beryllium, Total	0.28	J	mg/kg	0.44	0.09	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.89	0.06	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Calcium, Total	13000		mg/kg	8.9	2.6	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Chromium, Total	11		mg/kg	0.89	0.18	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Cobalt, Total	4.7		mg/kg	1.8	0.44	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Copper, Total	18		mg/kg	0.89	0.18	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Iron, Total	9900		mg/kg	4.4	1.8	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Lead, Total	26		mg/kg	4.4	0.18	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Magnesium, Total	7100		mg/kg	8.9	0.89	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Manganese, Total	230		mg/kg	0.89	0.18	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Mercury, Total	0.10		mg/kg	0.07	0.02	1	03/17/15 06:51	03/17/15 12:49	EPA 7471B	1,7471B	MC
Nickel, Total	15		mg/kg	2.2	0.35	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Potassium, Total	640		mg/kg	220	35.	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.8	0.26	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.89	0.18	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Sodium, Total	240		mg/kg	180	26.	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.8	0.35	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Vanadium, Total	12		mg/kg	0.89	0.09	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC
Zinc, Total	38		mg/kg	4.4	0.62	2	03/17/15 13:49	03/18/15 15:07	EPA 3050B	1,6010C	BC

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-18
Client ID: COMP_DUP01_031615
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 03/16/15 00:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	8200		mg/kg	9.3	1.9	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Antimony, Total	23		mg/kg	4.6	0.74	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Arsenic, Total	5.0		mg/kg	0.93	0.19	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Barium, Total	47		mg/kg	0.93	0.28	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Beryllium, Total	0.37	J	mg/kg	0.46	0.09	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Cadmium, Total	0.18	J	mg/kg	0.93	0.07	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Calcium, Total	3000		mg/kg	9.3	2.8	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Chromium, Total	13		mg/kg	0.93	0.19	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Cobalt, Total	6.4		mg/kg	1.9	0.46	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Copper, Total	34		mg/kg	0.93	0.19	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Iron, Total	14000		mg/kg	4.6	1.9	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Lead, Total	260		mg/kg	4.6	0.19	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Magnesium, Total	2800		mg/kg	9.3	0.93	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Manganese, Total	300		mg/kg	0.93	0.19	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Mercury, Total	0.42		mg/kg	0.08	0.02	1	03/17/15 06:51	03/17/15 12:51	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.3	0.37	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Potassium, Total	630		mg/kg	230	37.	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Selenium, Total	ND		mg/kg	1.9	0.28	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Silver, Total	ND		mg/kg	0.93	0.19	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Sodium, Total	230		mg/kg	190	28.	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Thallium, Total	ND		mg/kg	1.9	0.37	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Vanadium, Total	16		mg/kg	0.93	0.09	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC
Zinc, Total	150		mg/kg	4.6	0.65	2	03/17/15 13:49	03/18/15 15:34	EPA 3050B	1,6010C	BC

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-19
Client ID: FB01_031615
Sample Location: 160 LEROY ST., NY, NY
Matrix: Water

Date Collected: 03/16/15 16:30
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	ND		mg/l	0.10	0.020	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Antimony, Total	ND		mg/l	0.0500	0.0080	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Arsenic, Total	0.0027	JB	mg/l	0.0050	0.0020	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Barium, Total	ND		mg/l	0.0100	0.0030	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Beryllium, Total	ND		mg/l	0.0050	0.0010	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Calcium, Total	ND		mg/l	0.10	0.030	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Chromium, Total	ND		mg/l	0.010	0.0020	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Cobalt, Total	ND		mg/l	0.0200	0.0050	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Copper, Total	0.0020	J	mg/l	0.0100	0.0020	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Iron, Total	ND		mg/l	0.050	0.020	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Lead, Total	ND		mg/l	0.0100	0.0020	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Magnesium, Total	ND		mg/l	0.10	0.010	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Manganese, Total	ND		mg/l	0.0100	0.0020	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/17/15 10:47	03/17/15 18:24	EPA 7470A	1,7470A	AB
Nickel, Total	ND		mg/l	0.0250	0.0040	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Potassium, Total	ND		mg/l	2.5	0.40	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Selenium, Total	ND		mg/l	0.0100	0.0030	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Silver, Total	ND		mg/l	0.0070	0.0020	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Sodium, Total	ND		mg/l	2.0	0.30	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Thallium, Total	ND		mg/l	0.0200	0.0040	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Vanadium, Total	ND		mg/l	0.0100	0.0010	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT
Zinc, Total	ND		mg/l	0.0500	0.0070	1	03/17/15 11:51	03/17/15 13:56	EPA 3005A	1,6010C	TT

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1504955
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG768620-1										
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	03/17/15 06:51	03/17/15 11:59	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 19 Batch: WG768636-1										
Aluminum, Total	ND		mg/l	0.10	0.020	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Antimony, Total	ND		mg/l	0.0500	0.0080	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Arsenic, Total	0.0051		mg/l	0.0050	0.0020	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Barium, Total	ND		mg/l	0.0100	0.0030	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Beryllium, Total	ND		mg/l	0.0050	0.0010	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Calcium, Total	ND		mg/l	0.10	0.030	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Chromium, Total	ND		mg/l	0.010	0.0020	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Cobalt, Total	ND		mg/l	0.0200	0.0050	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Copper, Total	ND		mg/l	0.0100	0.0020	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Iron, Total	ND		mg/l	0.050	0.020	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Lead, Total	ND		mg/l	0.0100	0.0020	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Magnesium, Total	ND		mg/l	0.10	0.010	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Manganese, Total	ND		mg/l	0.0100	0.0020	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Nickel, Total	ND		mg/l	0.0250	0.0040	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Potassium, Total	ND		mg/l	2.5	0.40	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Selenium, Total	ND		mg/l	0.0100	0.0030	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Silver, Total	ND		mg/l	0.0070	0.0020	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Sodium, Total	ND		mg/l	2.0	0.30	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Thallium, Total	ND		mg/l	0.0200	0.0040	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Vanadium, Total	ND		mg/l	0.0100	0.0010	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT
Zinc, Total	ND		mg/l	0.0500	0.0070	1	03/17/15 11:51	03/17/15 13:40	1,6010C	TT

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 19 Batch: WG768700-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	03/17/15 10:47	03/17/15 18:08	1,7470A	AB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG768743-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Antimony, Total	0.37	J	mg/kg	2.0	0.32	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Arsenic, Total	ND		mg/kg	0.40	0.08	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Barium, Total	ND		mg/kg	0.40	0.12	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Beryllium, Total	ND		mg/kg	0.20	0.04	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Cadmium, Total	ND		mg/kg	0.40	0.03	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Calcium, Total	ND		mg/kg	4.0	1.2	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Chromium, Total	ND		mg/kg	0.40	0.08	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Cobalt, Total	ND		mg/kg	0.80	0.20	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Copper, Total	ND		mg/kg	0.40	0.08	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Iron, Total	ND		mg/kg	2.0	0.80	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Lead, Total	ND		mg/kg	2.0	0.08	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Magnesium, Total	ND		mg/kg	4.0	0.40	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Manganese, Total	ND		mg/kg	0.40	0.08	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Nickel, Total	ND		mg/kg	1.0	0.16	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Potassium, Total	ND		mg/kg	100	16.	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Selenium, Total	ND		mg/kg	0.80	0.12	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Silver, Total	ND		mg/kg	0.40	0.08	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Sodium, Total	ND		mg/kg	80	12.	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Thallium, Total	ND		mg/kg	0.80	0.16	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC
Vanadium, Total	ND		mg/kg	0.40	0.04	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND		mg/kg	2.0	0.28	1	03/17/15 13:49	03/18/15 13:55	1,6010C	BC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04,07,11,15 Batch: WG769381-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/19/15 11:35	03/19/15 18:03	1,7470A	AB

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 03/18/15 16:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03-04,07,11,15 Batch: WG769568-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	03/20/15 08:39	03/20/15 16:37	1,6010C	MG
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 16:37	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	03/20/15 08:39	03/20/15 16:37	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	03/20/15 08:39	03/20/15 16:37	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	03/20/15 08:39	03/20/15 16:37	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	03/20/15 08:39	03/20/15 16:37	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	03/20/15 08:39	03/20/15 16:37	1,6010C	MG

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 03/18/15 16:22

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG768620-2 SRM Lot Number: D083-540								
Mercury, Total	90		-		75-126	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 19 Batch: WG768636-2					
Aluminum, Total	105	-	80-120	-	
Antimony, Total	96	-	80-120	-	
Arsenic, Total	111	-	80-120	-	
Barium, Total	98	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	111	-	80-120	-	
Calcium, Total	99	-	80-120	-	
Chromium, Total	95	-	80-120	-	
Cobalt, Total	105	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	109	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	108	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	110	-	80-120	-	
Thallium, Total	106	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 19 Batch: WG768636-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 19 Batch: WG768700-2					
Mercury, Total	112	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG768743-2 SRM Lot Number: D083-540					
Aluminum, Total	65	-	51-148	-	
Antimony, Total	138	-	1-210	-	
Arsenic, Total	90	-	78-122	-	
Barium, Total	84	-	82-117	-	
Beryllium, Total	86	-	82-118	-	
Cadmium, Total	82	-	82-118	-	
Calcium, Total	84	-	82-118	-	
Chromium, Total	81	-	79-121	-	
Cobalt, Total	86	-	83-117	-	
Copper, Total	91	-	80-120	-	
Iron, Total	79	-	47-153	-	
Lead, Total	84	-	81-119	-	
Magnesium, Total	83	-	75-124	-	
Manganese, Total	82	-	81-119	-	
Nickel, Total	83	-	82-118	-	
Potassium, Total	76	-	70-130	-	
Selenium, Total	90	-	78-123	-	
Silver, Total	88	-	74-125	-	
Sodium, Total	77	-	70-130	-	
Thallium, Total	84	-	78-122	-	
Vanadium, Total	85	-	65-135	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG768743-2 SRM Lot Number: D083-540					
Zinc, Total	82	-	80-121	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07,11,15 Batch: WG769381-2					
Mercury, TCLP	95	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07,11,15 Batch: WG769568-2					
Arsenic, TCLP	108	-	75-125	-	20
Barium, TCLP	105	-	75-125	-	20
Cadmium, TCLP	112	-	75-125	-	20
Chromium, TCLP	105	-	75-125	-	20
Lead, TCLP	106	-	75-125	-	20
Selenium, TCLP	108	-	75-125	-	20
Silver, TCLP	104	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 QC Batch ID: WG768620-4 QC Sample: L1504769-01 Client ID: MS Sample												
Mercury, Total	0.24	0.144	0.33	**62**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 19 QC Batch ID: WG768636-4 QC Sample: L1504951-02 Client ID: MS Sample										
Aluminum, Total	0.16	2	2.4	112		-	-	75-125	-	20
Antimony, Total	0.009J	0.5	0.639	**128**	Q	-	-	75-125	-	20
Arsenic, Total	0.0048JB	0.12	0.138	115		-	-	75-125	-	20
Barium, Total	0.092	2	2.18	104		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0521	104		-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.0545	107		-	-	75-125	-	20
Calcium, Total	180	10	190	100		-	-	75-125	-	20
Chromium, Total	ND	0.2	0.19	95		-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.504	101		-	-	75-125	-	20
Copper, Total	0.003J	0.25	0.265	106		-	-	75-125	-	20
Iron, Total	1.6	1	2.6	100		-	-	75-125	-	20
Lead, Total	ND	0.51	0.520	102		-	-	75-125	-	20
Magnesium, Total	59.	10	66	**70**	Q	-	-	75-125	-	20
Manganese, Total	0.219	0.5	0.727	102		-	-	75-125	-	20
Nickel, Total	0.004J	0.5	0.482	96		-	-	75-125	-	20
Potassium, Total	22.	10	32	100		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.0615	**51**	Q	-	-	75-125	-	20
Silver, Total	ND	0.05	0.0538	108		-	-	75-125	-	20
Sodium, Total	220	10	230	100		-	-	75-125	-	20
Thallium, Total	ND	0.12	0.114	95		-	-	75-125	-	20
Vanadium, Total	0.001J	0.5	0.498	100		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 19 QC Batch ID: WG768636-4 QC Sample: L1504951-02 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.485	97	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 19 QC Batch ID: WG768700-4 QC Sample: L1504886-13 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00528	106	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 QC Batch ID: WG768743-4 QC Sample: L1504886-11 Client ID: MS Sample										
Aluminum, Total	4900	167	5600	**419**	Q	-	-	75-125	-	20
Antimony, Total	ND	41.7	34	81		-	-	75-125	-	20
Arsenic, Total	2.8	10	12	92		-	-	75-125	-	20
Barium, Total	30.	167	180	90		-	-	75-125	-	20
Beryllium, Total	0.30J	4.17	4.0	96		-	-	75-125	-	20
Cadmium, Total	ND	4.26	3.9	92		-	-	75-125	-	20
Calcium, Total	1200	835	2200	120		-	-	75-125	-	20
Chromium, Total	13.	16.7	30	102		-	-	75-125	-	20
Cobalt, Total	5.4	41.7	42	88		-	-	75-125	-	20
Copper, Total	17.	20.9	38	101		-	-	75-125	-	20
Iron, Total	11000	83.5	12000	**1200**	Q	-	-	75-125	-	20
Lead, Total	4.3	42.6	43	91		-	-	75-125	-	20
Magnesium, Total	1900	835	2600	84		-	-	75-125	-	20
Manganese, Total	280	41.7	320	96		-	-	75-125	-	20
Nickel, Total	18.	41.7	56	91		-	-	75-125	-	20
Potassium, Total	800	835	1400	**72**	Q	-	-	75-125	-	20
Selenium, Total	ND	10	9.2	92		-	-	75-125	-	20
Silver, Total	ND	25	20	80		-	-	75-125	-	20
Sodium, Total	97.J	835	800	96		-	-	75-125	-	20
Thallium, Total	ND	10	8.2	82		-	-	75-125	-	20
Vanadium, Total	20.	41.7	59	93		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 QC Batch ID: WG768743-4 QC Sample: L1504886-11 Client ID: MS Sample									
Zinc, Total	23.	41.7	59	86	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07,11,15 QC Batch ID: WG769381-4 QC Sample: L1505048-01 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0214	86	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07,11,15 QC Batch ID: WG769568-4 QC Sample: L1504952-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.3	108	-	-	75-125	-	20
Barium, TCLP	0.83	20	22	106	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.58	114	-	-	75-125	-	20
Chromium, TCLP	0.05J	2	2.1	105	-	-	75-125	-	20
Lead, TCLP	0.39J	5.1	5.8	114	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.3	108	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.53	106	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 QC Batch ID: WG768620-3 QC Sample: L1504769-01 Client ID: DUP Sample						
Mercury, Total	0.24	0.15	mg/kg	**46**	Q	20
Total Metals - Westborough Lab Associated sample(s): 19 QC Batch ID: WG768636-3 QC Sample: L1504951-02 Client ID: DUP Sample						
Calcium, Total	180	190	mg/l	5		20
Magnesium, Total	59.	60	mg/l	2		20
Total Metals - Westborough Lab Associated sample(s): 19 QC Batch ID: WG768700-3 QC Sample: L1504886-13 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 QC Batch ID: WG768743-3 QC Sample: L1504886-11 Client ID: DUP Sample						
Aluminum, Total	4900	4800	mg/kg	2		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	2.8	3.1	mg/kg	10		20
Barium, Total	30.	32	mg/kg	6		20
Beryllium, Total	0.30J	0.30J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	1200	1100	mg/kg	9		20
Chromium, Total	13.	16	mg/kg	**21**	Q	20
Cobalt, Total	5.4	5.6	mg/kg	4		20
Copper, Total	17.	18	mg/kg	6		20
Iron, Total	11000	12000	mg/kg	9		20
Lead, Total	4.3	3.8J	mg/kg	NC		20
Magnesium, Total	1900	1900	mg/kg	0		20
Manganese, Total	280	280	mg/kg	0		20
Nickel, Total	18.	18	mg/kg	0		20
Potassium, Total	800	760	mg/kg	5		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	97.J	110J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 QC Batch ID: WG768743-3 QC Sample: L1504886-11 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	20.	23	mg/kg	14	20
Zinc, Total	23.	24	mg/kg	4	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07,11,15 QC Batch ID: WG769381-3 QC Sample: L1505048-01 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03-04,07,11,15 QC Batch ID: WG769568-3 QC Sample: L1504952-01 Client ID: DUP Sample					
Lead, TCLP	0.39J	0.40J	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-03	Date Collected:	03/16/15 10:10
Client ID:	COMP-A_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/19/15 14:14	1,1030	SB

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-04	Date Collected:	03/16/15 10:15
Client ID:	COMP-A_6-12'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/19/15 14:14	1,1030	SB

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-07	Date Collected:	03/16/15 11:15
Client ID:	COMP-B_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/19/15 21:49	1,1030	TL

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-11	Date Collected:	03/16/15 12:55
Client ID:	COMP-C_0-6'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/19/15 21:49	1,1030	TL

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1504955-15	Date Collected:	03/16/15 15:10
Client ID:	COMP-D_0-5'	Date Received:	03/16/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/19/15 21:49	1,1030	TL

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-01
Client ID: SB-A1_3-4'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 09:50
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-02
Client ID: SB-A1_11-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 10:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-03
Client ID: COMP-A_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 10:10
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.88	0.88	1	-	03/18/15 14:40	107,-	
Solids, Total	91.4		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT
Cyanide, Total	0.29	J	mg/kg	1.0	0.24	1	03/17/15 11:15	03/18/15 12:43	1,9010C/9012B	JO
pH (H)	10.4		SU	-	NA	1	-	03/17/15 01:42	1,9045D	LH
Chromium, Hexavalent	ND		mg/kg	0.88	0.18	1	03/17/15 09:25	03/18/15 12:58	1,7196A	MD
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:41	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:29	1,7.3	TL

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-04
Client ID: COMP-A_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 10:15
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11	J	mg/kg	0.92	0.92	1	-	03/18/15 14:44	107,-	
Solids, Total	86.8		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT
Cyanide, Total	0.46	J	mg/kg	1.1	0.25	1	03/17/15 11:15	03/18/15 12:45	1,9010C/9012B	JO
pH (H)	8.3		SU	-	NA	1	-	03/17/15 01:42	1,9045D	LH
Chromium, Hexavalent	0.23	J	mg/kg	0.92	0.18	1	03/17/15 09:25	03/18/15 12:59	1,7196A	MD
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:41	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:29	1,7.3	TL
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	03/17/15 00:45	1,9095A	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-05
Client ID: SB-B2_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 10:50
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.9		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-06
Client ID: SB-B1_10-11'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 11:15
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.2		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-07
Client ID: COMP-B_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 11:15
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	20		mg/kg	0.88	0.88	1	-	03/18/15 14:48	107,-	
Solids, Total	90.9		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	03/17/15 11:15	03/18/15 12:46	1,9010C/9012B	JO
pH (H)	10.8		SU	-	NA	1	-	03/17/15 01:42	1,9045D	LH
Chromium, Hexavalent	ND		mg/kg	0.88	0.18	1	03/17/15 09:25	03/18/15 13:00	1,7196A	MD
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:41	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:29	1,7.3	TL

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-08
Client ID: COMP-B_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 11:30
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.95	0.95	1	-	03/18/15 14:51	107,-	
Solids, Total	84.2		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT
Cyanide, Total	0.61	J	mg/kg	1.1	0.26	1	03/17/15 11:15	03/18/15 12:47	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.95	0.19	1	03/17/15 09:25	03/18/15 13:00	1,7196A	MD

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-09
Client ID: SB-C2_2-3'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 12:45
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-10
Client ID: SB-C1_7-8'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 12:15
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-11
Client ID: COMP-C_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 12:55
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.87	0.87	1	-	03/18/15 14:55	107,-	
Solids, Total	91.8		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT
Cyanide, Total	0.37	J	mg/kg	1.0	0.24	1	03/17/15 11:15	03/18/15 12:47	1,9010C/9012B	JO
pH (H)	11.0		SU	-	NA	1	-	03/17/15 01:42	1,9045D	LH
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	03/17/15 09:25	03/18/15 13:01	1,7196A	MD
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:41	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:29	1,7.3	TL

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-12
Client ID: COMP-C_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 13:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.99	0.99	1	-	03/18/15 14:59	107,-	
Solids, Total	81.1		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	03/17/15 11:15	03/18/15 12:58	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.99	0.20	1	03/17/15 09:25	03/18/15 13:03	1,7196A	MD

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-13
Client ID: SB-D2_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 14:20
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-14
Client ID: SB-D2_7-8'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 15:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.7		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-15
Client ID: COMP-D_0-5'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 15:10
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.87	0.87	1	-	03/18/15 15:03	107,-	
Solids, Total	91.8		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	03/17/15 11:15	03/18/15 12:59	1,9010C/9012B	JO
pH (H)	11.6		SU	-	NA	1	-	03/17/15 01:42	1,9045D	LH
Chromium, Hexavalent	ND		mg/kg	0.87	0.17	1	03/17/15 09:25	03/18/15 13:03	1,7196A	MD
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:41	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:29	1,7.3	TL

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-16
Client ID: COMP-D_5-10'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 15:15
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.92	0.92	1	-	03/18/15 15:07	107,-	
Solids, Total	87.1		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.25	1	03/17/15 11:15	03/18/15 13:00	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.92	0.18	1	03/17/15 09:25	03/18/15 13:03	1,7196A	MD

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-17
Client ID: WC_DUP01_031615
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 00:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.9		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-18
Client ID: COMP_DUP01_031615
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/16/15 00:00
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.95	0.95	1	-	03/18/15 15:34	107,-	
Solids, Total	84.2		%	0.100	NA	1	-	03/17/15 00:09	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.27	1	03/17/15 11:15	03/18/15 13:01	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.95	0.19	1	03/17/15 09:25	03/18/15 13:04	1,7196A	MD

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1504955-19
Client ID: FB01_031615
Sample Location: 160 LEROY ST., NY, NY
Matrix: Water

Date Collected: 03/16/15 16:30
Date Received: 03/16/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	03/17/15 13:56	107,-	
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/17/15 09:17	03/17/15 13:01	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/17/15 03:00	03/17/15 03:24	1,7196A	LH

Project Name: 160 LEROY **Lab Number:** L1504955

Project Number: 170215701 **Report Date:** 03/24/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 19 Batch: WG768589-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	03/17/15 03:00	03/17/15 03:23	1,7196A	LH
General Chemistry - Westborough Lab for sample(s): 19 Batch: WG768663-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	03/17/15 09:17	03/17/15 12:48	1,9010C/9012B	ML
General Chemistry - Westborough Lab for sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG768697-1										
Cyanide, Total	ND		mg/kg	0.93	0.22	1	03/17/15 11:15	03/18/15 12:33	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG768787-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	03/17/15 09:25	03/18/15 12:56	1,7196A	MD
General Chemistry - Westborough Lab for sample(s): 03-04,07,11,15 Batch: WG769131-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:40	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-04,07,11,15 Batch: WG769133-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/18/15 16:50	03/18/15 19:28	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 19 Batch: WG768589-2								
Chromium, Hexavalent	97		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,07,11,15 Batch: WG768606-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 19 Batch: WG768663-2 WG768663-3								
Cyanide, Total	102		96		80-120	6		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG768697-2 WG768697-3								
Cyanide, Total	**123**	Q	99		80-120	22		35
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 Batch: WG768787-2								
Chromium, Hexavalent	86		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,07,11,15 Batch: WG769131-2								
Cyanide, Reactive	38		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-04,07,11,15 Batch: WG769133-2								
Sulfide, Reactive	97		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 19 QC Batch ID: WG768589-4 QC Sample: L1504955-19 Client ID: FB01_031615												
Chromium, Hexavalent	ND	0.1	0.095	95		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 19 QC Batch ID: WG768663-4 WG768663-5 QC Sample: L1504951-01 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.196	98		0.191	96		80-120	3		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 QC Batch ID: WG768697-4 WG768697-5 QC Sample: L1504955-03 Client ID: COMP-A_0-6'												
Cyanide, Total	0.29J	10	9.2	89		9.6	91		65-135	4		35
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 QC Batch ID: WG768787-5 QC Sample: L1504955-11 Client ID: COMP-C_0-6'												
Chromium, Hexavalent	ND	1170	1100	94		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-18 QC Batch ID: WG768588-1 QC Sample: L1504846-01 Client ID: DUP Sample						
Solids, Total	81.3	81.7	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 19 QC Batch ID: WG768589-3 QC Sample: L1504955-19 Client ID: FB01_031615						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,07,11,15 QC Batch ID: WG768606-2 QC Sample: L1504939-01 Client ID: DUP Sample						
pH	8.0	8.0	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 03-04,07-08,11-12,15-16,18 QC Batch ID: WG768787-4 QC Sample: L1504955-11 Client ID: COMP-C_0-6'						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03-04,07,11,15 QC Batch ID: WG769131-3 QC Sample: L1505010-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-04,07,11,15 QC Batch ID: WG769133-3 QC Sample: L1505010-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 03/16/2015 23:41

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1504955-01A	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-01B	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-01C	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-01D	Plastic 2oz unpreserved for TS	A	N/A	4.5	Y	Absent	TS(7)
L1504955-01E	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-DRO-D(14)
L1504955-01F	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-GRO(14),TCLP-VOA(14)
L1504955-01F9	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	TPH-GRO(14)
L1504955-01U	Vial unpreserved split	A	N/A	4.5	Y	Absent	TCLP-EXT-ZHE(14)
L1504955-01V	Vial unpreserved split	A	N/A	4.5	Y	Absent	TCLP-EXT-ZHE(14)
L1504955-01X	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-01Y	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-01Z	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-02A	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-02B	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-02C	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-02D	Plastic 2oz unpreserved for TS	A	N/A	4.5	Y	Absent	TS(7)
L1504955-02E	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-DRO-D(14)
L1504955-02F	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-GRO(14),TCLP-VOA(14)
L1504955-02F9	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	TPH-GRO(14)
L1504955-02U	Vial unpreserved split	A	N/A	4.5	Y	Absent	TCLP-EXT-ZHE(14)
L1504955-02V	Vial unpreserved split	A	N/A	4.5	Y	Absent	TCLP-EXT-ZHE(14)
L1504955-02X	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-02Y	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-02Z	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1504955-03A	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-03B	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-03Q	Amber 1000ml unpreserved split	A	N/A	4.5	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1504955-03X	Plastic 120ml HNO3 preserved spl	A	N/A	4.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1504955-03X9	Tumble Vessel	A	N/A	4.5	Y	Absent	-
L1504955-04A	Glass 120ml/4oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),PAINTF(),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1504955-04B	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),PAINTF(),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-04C	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),PAINTF(),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-04Q	Amber 1000ml unpreserved split	A	N/A	4.5	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1504955-04X	Plastic 120ml HNO3 preserved spl	A	<2	4.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1504955-04X9	Tumble Vessel	A	N/A	4.5	Y	Absent	-
L1504955-05A	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-05B	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-05C	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-05D	Plastic 2oz unpreserved for TS	A	N/A	4.5	Y	Absent	TS(7)
L1504955-05E	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-DRO-D(14)
L1504955-05F	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-GRO(14),TCLP-VOA(14)
L1504955-05F9	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	TPH-GRO(14)
L1504955-05U	Vial unpreserved split	A	N/A	4.5	Y	Absent	TCLP-EXT-ZHE(14)
L1504955-05V	Vial unpreserved split	A	N/A	4.5	Y	Absent	TCLP-EXT-ZHE(14)
L1504955-05X	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1504955-05Y	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-05Z	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-06A	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-06B	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-06C	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-06D	Plastic 2oz unpreserved for TS	A	N/A	4.5	Y	Absent	TS(7)
L1504955-06E	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-GRO(14),TPH-DRO-D(14)
L1504955-06E9	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	TPH-GRO(14)
L1504955-06X	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-06Y	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-06Z	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-07A	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-07B	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-07Q	Amber 1000ml unpreserved split	A	N/A	4.5	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1504955-07X	Plastic 120ml HNO3 preserved spl	A	<2	4.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1504955-07X9	Tumble Vessel	A	N/A	4.5	Y	Absent	-

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1504955-08A	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-09A	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-09B	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-09C	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-09D	Plastic 2oz unpreserved for TS	A	N/A	4.5	Y	Absent	TS(7)
L1504955-09E	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-DRO-D(14)
L1504955-09F	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-GRO(14),TCLP-VOA(14)
L1504955-09F9	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	TPH-GRO(14)
L1504955-09U	Vial unpreserved split	A	N/A	4.5	Y	Absent	TCLP-EXT-ZHE(14)
L1504955-09V	Vial unpreserved split	A	N/A	4.5	Y	Absent	TCLP-EXT-ZHE(14)
L1504955-09X	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-09Y	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-09Z	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-10A	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-10B	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-10C	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-10D	Plastic 2oz unpreserved for TS	A	N/A	4.5	Y	Absent	TS(7)
L1504955-10E	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-GRO(14),TPH-DRO-D(14)
L1504955-10E9	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	TPH-GRO(14)
L1504955-10X	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-10Y	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-10Z	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1504955-11A	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-11B	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-11Q	Amber 1000ml unpreserved split	A	N/A	4.5	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1504955-11X	Plastic 120ml HNO3 preserved spl	A	<2	4.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1504955-11X9	Tumble Vessel	A	N/A	4.5	Y	Absent	-
L1504955-12A	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-13A	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-13B	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1504955-13C	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-13D	Plastic 2oz unpreserved for TS	A	N/A	4.5	Y	Absent	TS(7)
L1504955-13E	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-DRO-D(14)
L1504955-13F	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-GRO(14),TCLP-VOA(14)
L1504955-13F9	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	TPH-GRO(14)
L1504955-13U	Vial unpreserved split	A	N/A	4.5	Y	Absent	TCLP-EXT-ZHE(14)
L1504955-13V	Vial unpreserved split	A	N/A	4.5	Y	Absent	TCLP-EXT-ZHE(14)
L1504955-13X	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-13Y	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-13Z	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-14A	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-14B	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-14C	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-14D	Plastic 2oz unpreserved for TS	A	N/A	4.5	Y	Absent	TS(7)
L1504955-14E	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-GRO(14),TPH-DRO-D(14)
L1504955-14E9	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	TPH-GRO(14)
L1504955-14X	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-14Y	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-14Z	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-15A	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1504955-15B	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-15Q	Amber 1000ml unpreserved split	A	N/A	4.5	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1504955-15X	Plastic 120ml HNO3 preserved spl	A	<2	4.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1504955-15X9	Tumble Vessel	A	N/A	4.5	Y	Absent	-
L1504955-16A	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-17A	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-17B	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-17C	5 gram Encore Sampler	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(2)
L1504955-17D	Plastic 2oz unpreserved for TS	A	N/A	4.5	Y	Absent	TS(7)
L1504955-17E	Vial Large Septa unpreserved	A	N/A	4.5	Y	Absent	TPH-GRO(14),TPH-DRO-D(14)
L1504955-17E9	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	TPH-GRO(14)
L1504955-17X	Vial MeOH preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-17Y	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)
L1504955-17Z	Vial Water preserved split	A	N/A	4.5	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1504955
Report Date: 03/24/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1504955-18A	Glass 500ml/16oz unpreserved	A	N/A	4.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1504955-19D	Plastic 250ml HNO3 preserved	B	<2	3.2	Y	Absent	BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1504955-19E	Plastic 250ml NaOH preserved	B	>12	3.2	Y	Absent	TCN-9010(14)
L1504955-19F	Plastic 250ml unpreserved	B	8	3.2	Y	Absent	HEXCR-7196(1)
L1504955-19G	Amber 1000ml unpreserved	B	8	3.2	Y	Absent	NYTCL-8270(7)
L1504955-19H	Amber 1000ml unpreserved	B	8	3.2	Y	Absent	NYTCL-8270(7)
L1504955-19I	Amber 500ml unpreserved	B	8	3.2	Y	Absent	NYTCL-8081(7)
L1504955-19J	Amber 500ml unpreserved	B	8	3.2	Y	Absent	NYTCL-8081(7)
L1504955-19K	Amber 1000ml unpreserved	B	8	3.2	Y	Absent	HERB-APA(7)
L1504955-19L	Amber 1000ml unpreserved	B	8	3.2	Y	Absent	HERB-APA(7)
L1504955-19M	Amber 1000ml unpreserved	B	8	3.2	Y	Absent	NYTCL-8082-1200ML(7)
L1504955-19N	Amber 1000ml unpreserved	B	8	3.2	Y	Absent	NYTCL-8082-1200ML(7)
L1504955-20A	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)
L1504955-20B	Vial HCl preserved	A	N/A	4.5	Y	Absent	NYTCL-8260(14)

Container Comments

L1504955-07B

L1504955-08A

L1504955-11A

L1504955-12A

L1504955-15B

*Values in parentheses indicate holding time in days

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	160 LEROY	**Lab Number:**	L1504955
Project Number:	170215701	**Report Date:**	03/24/15

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 160 LEROY **Lab Number:** L1504955
Project Number: 170215701 **Report Date:** 03/24/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Letter

Last revised December 16, 2014

The following are certified under the NELAP Scope of Accreditation:

Water and Fast Data
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mixed Fuels
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following are certified under the MDEP Scope of Accreditation, Water and Fast Data:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CL-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: SM9215B, SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: SM9223B-Colilert-QT, Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

-revised 3/24/15 ks

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
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TEL: 508-898-9220
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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 3/16/15

ALPHA Job #: L1504955

Client Information
Client: LANGAN
Address: 360 W 31ST ST, 8TH FLOOR
NEW YORK NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: gnicholls@langan.com, gwyka@langan.com, pfarnham@langan.com

Project Information
Project Name: 160 LEROY
Project Location: 160 LEROY ST, NY NY
Project # 17021570I
(Use Project name as Project #) ☐
Project Manager: GERALD NICHOLLS
ALPHAQuote #: 2015215

Turn-Around Time
Standard ☒ Due Date: 3/23/15
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other STD+EXCEL/PDF

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TPH-DRO/GRO	FULL TCLP/INIT./WEAS/REACT.(CY+SULF)	TCL SVOC, TAL METALS, PCBS, PEST+HERB	CYANIDE, HEX.CR, TRI.CR	PAINT FILTER	TCLP VOC	TOTAL SOLIDS	Sample Specific Comments	Total Bottle
04955-01	~~SB-A 3-4'~~ SB-A1 3-4'	3/16/15	950	S	PTF	X	X					X	X	(3) ENCORE, (2) 4oz AMBER GLASS, (1) TS PLASTIC	6
02	SB-A1_11-12'	3/16/15	1000	S	PTF	X	X					X	X	(3) ENCORE, (2) 4oz AMBER GLASS, (1) TS PLASTIC	6
03	COMP-A_0-6'	3/16/15	1010	S	PTF			X	X	X				(2) 16oz AMBER GLASS	2
04	COMP-A_6-12'	3/16/15	1015	S	PTF			X	X	X	X			(1) 8oz PAINT (2) 16oz AMBER GLASS	3
05	SB-B2_1-2'	3/16/15	1050	S	PTF	X	X					X	X	(3) ENCORE, (2) 4oz AMBER GLASS, (1) TS PLASTIC	6
06	SB-B1_10-11'	3/16/15	1115	S	PTF	X	X						X	(3) ENCORE, (1) 4oz AMBER GLASS, (1) TS PLASTIC	5
07	COMP-B_0-6'	3/16/15	1115	S	PTF			X	X	X				(2) 16oz AMBER GLASS	2
08	COMP-B_6-12'	3/16/15	1130	S	PTF				X	X				(1) 16oz AMBER GLASS	1
09	SB-C2_2-3'	3/16/15	1245	S	PTF	X	X					X	X	(3) ENCORE, (2) 4oz AMBER GLASS, (1) TS PLASTIC	6
10	SB-C1_7-8'	3/16/15	1215	S	PTF	X	X						X	(3) ENCORE, (1) 4oz AMBER GLASS, (1) TS PLASTIC	5
					Container Type	ENCORE									
					Preservative										

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	3/16/15 1720	[illegible] AALP	3/16/15 1724
[illegible]	3/16/15 1845	Tom Toden	3-16-15 1845
Tom Toden	3-16-15 2210	[illegible]	3/16/15 2210

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Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 3/16/15

ALPHA Job #: L1504955

Client Information
Client: LANGAN
Address: 360 W 31ST ST, 8TH FLOOR
NEW YORK NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: gnicholls@langan.com, gwyka@langan.com, pfarnham@langan.com

Project Information
Project Name: 160 LEROY
Project Location: 160 LEROY ST, NY NY
Project # 17021570I
(Use Project name as Project #) ☐
Project Manager: GERALD NICHOLLS
ALPHAQuote #: 2015215

Turn-Around Time
Standard ☒ Due Date: 3/23/15
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other STD+EXCEL/PDF

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TPH-DRO/GRO	FULL TCLP/IGNIT./CORROS./REACT.(CY+SULF)	TCL SVOC, TAL METALS, PCBS, PEST+HERB	CYANIDE, HEX.CR, TRI.CR	PAINT FILTER	TCLP VOC	TOTAL SOLIDS	Sample Specific Comments	Total Bottle
04955-01	SB-A_3-4'	3/16/15	950	S	PTF	X	X					X	X	(3) ENCORE, (2) 4oz AMBER GLASS, (1) TS PLASTIC	6
02	SB-A1_11-12'	3/16/15	1000	S	PTF	X	X					X	X	(3) ENCORE, (2) 4oz AMBER GLASS, (1) TS PLASTIC	6
03	COMP-A_0-6'	3/16/15	1010	S	PTF			X	X	X				(2) 16oz AMBER GLASS	2
04	COMP-A_6-12'	3/16/15	1015	S	PTF			X	X	X	X			(1) 8oz PAINT (2) 16oz AMBER GLASS	3
05	SB-B2_1-2'	3/16/15	1050	S	PTF	X	X					X	X	(3) ENCORE, (2) 4oz AMBER GLASS, (1) TS PLASTIC	6
06	SB-B1_10-11'	3/16/15	1115	S	PTF	X	X						X	(3) ENCORE, (1) 4oz AMBER GLASS, (1) TS PLASTIC	5
07	COMP-B_0-6'	3/16/15	1115	S	PTF			X	X	X				(2) 16oz AMBER GLASS	2
08	COMP-B_6-12'	3/16/15	1130	S	PTF				X	X				(1) 16oz AMBER GLASS	1
09	SB-C2_2-3'	3/16/15	1245	S	PTF	X	X					X	X	(3) ENCORE, (2) 4oz AMBER GLASS, (1) TS PLASTIC	6
10	SB-C1_7-8'	3/16/15	1215	S	PTF	X	X						X	(3) ENCORE, (1) 4oz AMBER GLASS, (1) TS PLASTIC	5
					Container Type	ENCORE									
					Preservative										

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
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Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	3/16/15 1720	[illegible] AALP	3/16/15 1724
[illegible]	3/16/15 1845	Tom Toden	3-16-15 1845
Tom Toden	3-16-15 2210	[illegible]	3/16/15 2210

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Form No: 01-25 HC (rev. 30-Sept-2013)

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Page 2 of 2

Date Rec'd in Lab: 3/16/15

ALPHA Job #: L1514955

Client Information
Client: LANGAN
Address: 360 W 31ST ST, 8TH FLOOR
NEW YORK NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: gnicholls@langan.com, gwyka@langan.com, ptarnham@langan.com

Project Information
Project Name: 160 LEROY
Project Location: 160 LEROY ST, NY NY
Project # 170215701
(Use Project name as Project #) ☐
Project Manager: GERALD NICHOLLS
ALPHAQuote #: 2015215

Turn-Around Time
Standard ☒ Due Date: 3/23/15
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other STD. + EXCEL/PDF

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☒ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TPH-DRO/GRO	FULL TCLP/IGNIT./CORROS./REACT. CCY+ SULF)	TCL SVOC, TAL METALS, PCBS, PEST + HERB	CYANIDE, HEX CR, TRI. CR	TCLP VOC	TOTAL SOLIDS	TCL SVOC, TCL VOC, PCB, PEST, HERB, TAL METALS, CYANIDE, HEX CR, TRI CR	Sample Specific Comments	Total Bottle
11	COMP-C_0-6'	3/16/15	1255	S	PTF			X	X	X				(2) 16 OZ AMBER GLASS	2
12	COMP-C_6-12'	3/16/15	1300	S	PTF				X	X				(1) 16 OZ AMBER GLASS	1
13	SB-D2_1-2'	3/16/15	1420	S	PTF	X	X				X	X		(3) ENCORE, (2) 4 OZ AMBER GLASS, (1) TS PLASTIC	6
14	SB-D2_7-8'	3/16/15	1500	S	PTF	X	X					X		(3) ENCORE, (1) 4 OZ AMBER GLASS, (1) TS PLASTIC	5
15	COMP-D_0-5'	3/16/15	1510	S	PTF			X	X	X				(2) 16 OZ GLASS	2
16	COMP-D_5-10'	3/16/15	1515	S	PTF				X	X				(1) 16 OZ GLASS	1
17	WC_DUP01_031615	3/16/15	NA	S	PTF	X	X					X		(3) ENCORE, (1) 4 OZ AMBER GLASS, (1) TS PLASTIC	5
18	COMP_DUP01_031615	3/16/15	NA	S	PTF				X	X				(1) 16 OZ AMBER GLASS	1
19	FB01_031615	3/16/15	1630	W	AS								X	NO VOC VIALS	~~14~~ AS 3/16/15
20	TB01_031615	3/16/15	—	W	—	X								2 VOAS	~~14~~ AS 3/16/15
					Container Type	AS 3/16/15									
					Preservative										

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
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Container Code
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O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	3/16/15 1720	[illegible]	3/16/15 1720
[illegible]	3/16/15 1845	[illegible]	3/16/15 1845
[illegible]	3/16/15 2210	[illegible]	3/16/15 2210

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Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1505070
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Gerald Nicholls
Phone:	(212) 479-5400
Project Name:	160 LEROY
Project Number:	170215701
Report Date:	03/24/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1505070-01	SB-E2_1-2'	SOIL	160 LEROY ST., NY, NY	03/17/15 12:55	03/17/15
L1505070-02	SB-E1_11-12'	SOIL	160 LEROY ST., NY, NY	03/17/15 13:25	03/17/15
L1505070-03	COMP-E_0-6'	SOIL	160 LEROY ST., NY, NY	03/17/15 13:30	03/17/15
L1505070-04	COMP-E_6-12'	SOIL	160 LEROY ST., NY, NY	03/17/15 13:35	03/17/15
L1505070-05	TB01_031715	WATER	160 LEROY ST., NY, NY	03/17/15 00:00	03/17/15

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 160 LEROY **Lab Number:** L1505070
Project Number: 170215701 **Report Date:** 03/24/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

TCLP Semivolatile Organics

The WG769954-3 LCSD recoveries, associated with L1505070-03, are above the acceptance criteria for 2,4-dinitrotoluene (101%) and pentachlorophenol (115%); however, the associated sample is non-detect for these target compounds. The results of the original analysis are reported.

Metals

L1505070-03 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG769061-4 MS recoveries for aluminum (722%), antimony (44%), arsenic (0%), copper (0%), iron (0%), lead (0%), and manganese (266%), performed on L1505070-03, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG769061-4 MS recoveries, performed on L1505070-03, are outside the acceptance criteria for barium (239%), chromium (139%), cobalt (73%), and magnesium (167%). A post digestion spike was performed and yielded unacceptable recoveries for barium (69%), chromium (75%), cobalt (75%), and magnesium (75%). This has been attributed to sample matrix.

The WG769061-3 Laboratory Duplicate RPDs, performed on L1505070-03, are outside the acceptance criteria for antimony (31%), cobalt (63%), lead (48%), manganese (34%), nickel (24%), and vanadium (29%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Bryan Vangel

Title: Technical Director/Representative Date: 03/24/15

ORGANICS

VOLATILES

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-01
Client ID: SB-E2_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/15 16:45
Analyst: MM
Percent Solids: 83%
TCLP/SPLP Ext. Date: 03/19/15 11:37

Date Collected: 03/17/15 12:55
Date Received: 03/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	110		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-01
Client ID: SB-E2_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/15 14:07
Analyst: BN
Percent Solids: 83%

Date Collected: 03/17/15 12:55
Date Received: 03/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.12	1
Chloroform	0.58	J	ug/kg	2.1	0.52	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.9	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.20	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	7.0	0.54	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.16	1
1,1-Dichloropropene	ND		ug/kg	7.0	0.20	1
Bromoform	ND		ug/kg	5.6	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.1	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.18	1
Chloromethane	ND		ug/kg	7.0	0.41	1
Bromomethane	ND		ug/kg	2.8	0.47	1
Vinyl chloride	ND		ug/kg	2.8	0.16	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.30	1
Trichloroethene	ND		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	7.0	0.21	1

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-01 Date Collected: 03/17/15 12:55

Client ID: SB-E2_1-2' Date Received: 03/17/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	7.0	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	7.0	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.12	1
p/m-Xylene	ND		ug/kg	2.8	0.28	1
o-Xylene	ND		ug/kg	2.8	0.24	1
Xylenes, Total	ND		ug/kg	2.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.56	1
Dichlorodifluoromethane	ND		ug/kg	14	0.27	1
Acetone	2.7	J	ug/kg	14	1.4	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.38	1
Vinyl acetate	ND		ug/kg	14	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.23	1
2-Hexanone	ND		ug/kg	14	0.93	1
Bromochloromethane	ND		ug/kg	7.0	0.38	1
2,2-Dichloropropane	ND		ug/kg	7.0	0.32	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.24	1
1,3-Dichloropropane	ND		ug/kg	7.0	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	7.0	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.17	1
tert-Butylbenzene	ND		ug/kg	7.0	0.19	1
o-Chlorotoluene	ND		ug/kg	7.0	0.22	1
p-Chlorotoluene	ND		ug/kg	7.0	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.0	0.55	1
Hexachlorobutadiene	ND		ug/kg	7.0	0.32	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
Naphthalene	ND		ug/kg	7.0	0.19	1
Acrylonitrile	ND		ug/kg	14	0.72	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.0	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.0	0.20	1

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-01 Date Collected: 03/17/15 12:55

Client ID: SB-E2_1-2' Date Received: 03/17/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	7.0	0.20	1
1,4-Dioxane	ND		ug/kg	140	20.	1
p-Diethylbenzene	ND		ug/kg	5.6	0.22	1
p-Ethyltoluene	ND		ug/kg	5.6	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.6	0.18	1
Ethyl ether	ND		ug/kg	7.0	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.0	0.55	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-02
Client ID: SB-E1_11-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/15 14:33
Analyst: BN
Percent Solids: 82%

Date Collected: 03/17/15 13:25
Date Received: 03/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.1	0.12	1
Chloroform	ND		ug/kg	2.1	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.32	1
Dibromochloromethane	ND		ug/kg	1.4	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.1	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	6.9	0.54	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.9	0.20	1
Bromoform	ND		ug/kg	5.6	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.1	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.18	1
Chloromethane	ND		ug/kg	6.9	0.41	1
Bromomethane	ND		ug/kg	2.8	0.47	1
Vinyl chloride	ND		ug/kg	2.8	0.16	1
Chloroethane	ND		ug/kg	2.8	0.44	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.1	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.9	0.21	1

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-02 Date Collected: 03/17/15 13:25

Client ID: SB-E1_11-12' Date Received: 03/17/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.9	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	6.9	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.8	0.12	1
p/m-Xylene	ND		ug/kg	2.8	0.27	1
o-Xylene	ND		ug/kg	2.8	0.24	1
Xylenes, Total	ND		ug/kg	2.8	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.23	1
Styrene	ND		ug/kg	2.8	0.56	1
Dichlorodifluoromethane	ND		ug/kg	14	0.26	1
Acetone	2.8	J	ug/kg	14	1.4	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	ND		ug/kg	14	0.38	1
Vinyl acetate	ND		ug/kg	14	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.34	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.22	1
2-Hexanone	ND		ug/kg	14	0.92	1
Bromochloromethane	ND		ug/kg	6.9	0.38	1
2,2-Dichloropropane	ND		ug/kg	6.9	0.31	1
1,2-Dibromoethane	ND		ug/kg	5.6	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.9	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	6.9	0.29	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.17	1
tert-Butylbenzene	ND		ug/kg	6.9	0.19	1
o-Chlorotoluene	ND		ug/kg	6.9	0.22	1
p-Chlorotoluene	ND		ug/kg	6.9	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.9	0.55	1
Hexachlorobutadiene	ND		ug/kg	6.9	0.32	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
Naphthalene	ND		ug/kg	6.9	0.19	1
Acrylonitrile	ND		ug/kg	14	0.71	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.9	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.9	0.20	1

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-02 Date Collected: 03/17/15 13:25

Client ID: SB-E1_11-12' Date Received: 03/17/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.9	0.20	1
1,4-Dioxane	ND		ug/kg	140	20.	1
p-Diethylbenzene	ND		ug/kg	5.6	0.22	1
p-Ethyltoluene	ND		ug/kg	5.6	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.6	0.18	1
Ethyl ether	ND		ug/kg	6.9	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-05
Client ID: TB01_031715
Sample Location: 160 LEROY ST., NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/20/15 13:04
Analyst: MS

Date Collected: 03/17/15 00:00
Date Received: 03/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-05 Date Collected: 03/17/15 00:00

Client ID: TB01_031715 Date Received: 03/17/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-05 Date Collected: 03/17/15 00:00

Client ID: TB01_031715 Date Received: 03/17/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/15 09:27
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG769641-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.45	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/15 09:27
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG769641-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	2.3	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/15 09:27
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG769641-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/15 09:27
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG769641-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	90		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/15 10:10
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG769934-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/15 10:10
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG769934-3					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.63
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/15 10:10
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG769934-3					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/15 10:10
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG769934-3					
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/20/15 08:30
Analyst: MM
TCLP Extraction Date: 03/19/15 11:37

Extraction Date: 03/19/15 11:37

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG770017-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.70
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG769641-1 WG769641-2								
Methylene chloride	95		92		70-130	3		30
1,1-Dichloroethane	104		100		70-130	4		30
Chloroform	104		100		70-130	4		30
Carbon tetrachloride	112		98		70-130	13		30
1,2-Dichloropropane	103		101		70-130	2		30
Dibromochloromethane	104		104		70-130	0		30
2-Chloroethylvinyl ether	96		99		70-130	3		30
1,1,2-Trichloroethane	106		107		70-130	1		30
Tetrachloroethene	106		96		70-130	10		30
Chlorobenzene	104		101		70-130	3		30
Trichlorofluoromethane	114		96		70-139	17		30
1,2-Dichloroethane	107		106		70-130	1		30
1,1,1-Trichloroethane	110		100		70-130	10		30
Bromodichloromethane	103		100		70-130	3		30
trans-1,3-Dichloropropene	109		109		70-130	0		30
cis-1,3-Dichloropropene	104		103		70-130	1		30
1,1-Dichloropropene	110		98		70-130	12		30
Bromoform	86		88		70-130	2		30
1,1,2,2-Tetrachloroethane	109		111		70-130	2		30
Benzene	104		99		70-130	5		30
Toluene	105		100		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG769641-1 WG769641-2								
Ethylbenzene	109		104		70-130	5		30
Chloromethane	105		96		52-130	9		30
Bromomethane	111		100		57-147	10		30
Vinyl chloride	110		96		67-130	14		30
Chloroethane	110		99		50-151	11		30
1,1-Dichloroethene	104		91		65-135	13		30
trans-1,2-Dichloroethene	102		94		70-130	8		30
Trichloroethene	103		96		70-130	7		30
1,2-Dichlorobenzene	104		102		70-130	2		30
1,3-Dichlorobenzene	106		105		70-130	1		30
1,4-Dichlorobenzene	105		104		70-130	1		30
Methyl tert butyl ether	100		101		66-130	1		30
p/m-Xylene	108		102		70-130	6		30
o-Xylene	106		103		70-130	3		30
cis-1,2-Dichloroethene	103		99		70-130	4		30
Dibromomethane	100		102		70-130	2		30
Styrene	109		106		70-130	3		30
Dichlorodifluoromethane	117		96		30-146	20		30
Acetone	113		113		54-140	0		30
Carbon disulfide	101		91		59-130	10		30
2-Butanone	97		102		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG769641-1 WG769641-2								
Vinyl acetate	108		108		70-130	0		30
4-Methyl-2-pentanone	88		92		70-130	4		30
1,2,3-Trichloropropane	108		110		68-130	2		30
2-Hexanone	103		106		70-130	3		30
Bromochloromethane	100		99		70-130	1		30
2,2-Dichloropropane	109		101		70-130	8		30
1,2-Dibromoethane	104		106		70-130	2		30
1,3-Dichloropropane	107		107		69-130	0		30
1,1,1,2-Tetrachloroethane	105		104		70-130	1		30
Bromobenzene	102		102		70-130	0		30
n-Butylbenzene	120		107		70-130	11		30
sec-Butylbenzene	115		105		70-130	9		30
tert-Butylbenzene	112		103		70-130	8		30
o-Chlorotoluene	112		108		70-130	4		30
p-Chlorotoluene	112		108		70-130	4		30
1,2-Dibromo-3-chloropropane	88		91		68-130	3		30
Hexachlorobutadiene	109		99		67-130	10		30
Isopropylbenzene	112		104		70-130	7		30
p-Isopropyltoluene	113		105		70-130	7		30
Naphthalene	103		103		70-130	0		30
Acrylonitrile	102		104		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG769641-1 WG769641-2								
Diisopropyl Ether	107		105		66-130	2		30
Tert-Butyl Alcohol	96		97		70-130	1		30
n-Propylbenzene	114		105		70-130	8		30
1,2,3-Trichlorobenzene	104		104		70-130	0		30
1,2,4-Trichlorobenzene	106		103		70-130	3		30
1,3,5-Trimethylbenzene	113		106		70-130	6		30
1,2,4-Trimethylbenzene	113		107		70-130	5		30
Methyl Acetate	102		104		51-146	2		30
Ethyl Acetate	105		106		70-130	1		30
Acrolein	97		100		70-130	3		30
Cyclohexane	120		102		59-142	16		30
1,4-Dioxane	103		103		65-136	0		30
Freon-113	117		100		50-139	16		30
p-Diethylbenzene	107		99		70-130	8		30
p-Ethyltoluene	108		101		70-130	7		30
1,2,4,5-Tetramethylbenzene	103		100		70-130	3		30
Tetrahydrofuran	102		104		66-130	2		30
Ethyl ether	98		98		67-130	0		30
trans-1,4-Dichloro-2-butene	113		117		70-130	3		30
Methyl cyclohexane	116		98		70-130	17		30
Ethyl-Tert-Butyl-Ether	104		104		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG769641-1 WG769641-2								
Tertiary-Amyl Methyl Ether	102		103		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		104		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	102		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG769934-1 WG769934-2								
Methylene chloride	96		102		70-130	6		20
1,1-Dichloroethane	106		112		70-130	6		20
Chloroform	103		109		70-130	6		20
2-Chloroethylvinyl ether	96		105		70-130	9		20
Carbon tetrachloride	116		124		63-132	7		20
1,2-Dichloropropane	101		106		70-130	5		20
Dibromochloromethane	100		105		63-130	5		20
1,1,2-Trichloroethane	101		103		70-130	2		20
Tetrachloroethene	97		104		70-130	7		20
Chlorobenzene	99		105		75-130	6		20
Trichlorofluoromethane	106		115		62-150	8		20
1,2-Dichloroethane	106		112		70-130	6		20
1,1,1-Trichloroethane	108		117		67-130	8		20
Bromodichloromethane	101		109		67-130	8		20
trans-1,3-Dichloropropene	107		111		70-130	4		20
cis-1,3-Dichloropropene	102		107		70-130	5		20
1,1-Dichloropropene	104		110		70-130	6		20
Bromoform	103		106		54-136	3		20
1,1,2,2-Tetrachloroethane	99		104		67-130	5		20
Benzene	101		108		70-130	7		20
Toluene	102		108		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG769934-1 WG769934-2								
Ethylbenzene	104		111		70-130	7		20
Chloromethane	**62**	Q	72		64-130	15		20
Bromomethane	65		65		39-139	0		20
Vinyl chloride	100		105		55-140	5		20
Chloroethane	105		112		55-138	6		20
1,1-Dichloroethene	97		102		61-145	5		20
trans-1,2-Dichloroethene	96		102		70-130	6		20
Trichloroethene	101		107		70-130	6		20
1,2-Dichlorobenzene	99		104		70-130	5		20
1,3-Dichlorobenzene	98		106		70-130	8		20
1,4-Dichlorobenzene	99		105		70-130	6		20
Methyl tert butyl ether	95		98		63-130	3		20
p/m-Xylene	104		112		70-130	7		20
o-Xylene	105		112		70-130	6		20
cis-1,2-Dichloroethene	96		102		70-130	6		20
Dibromomethane	95		102		70-130	7		20
1,2,3-Trichloropropane	100		105		64-130	5		20
Acrylonitrile	99		103		70-130	4		20
Diisopropyl Ether	102		108		70-130	6		20
Tert-Butyl Alcohol	85		89		70-130	5		20
Styrene	102		109		70-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG769934-1 WG769934-2								
Dichlorodifluoromethane	74		80		36-147	8		20
Acetone	108		110		58-148	2		20
Carbon disulfide	88		96		51-130	9		20
2-Butanone	95		96		63-138	1		20
Vinyl acetate	102		110		70-130	8		20
4-Methyl-2-pentanone	96		100		59-130	4		20
2-Hexanone	106		107		57-130	1		20
Acrolein	86		83		40-160	4		20
Bromochloromethane	110		113		70-130	3		20
2,2-Dichloropropane	128		**134**	Q	63-133	5		20
1,2-Dibromoethane	97		101		70-130	4		20
1,3-Dichloropropane	100		104		70-130	4		20
1,1,1,2-Tetrachloroethane	107		112		64-130	5		20
Bromobenzene	99		105		70-130	6		20
n-Butylbenzene	109		117		53-136	7		20
sec-Butylbenzene	105		113		70-130	7		20
tert-Butylbenzene	105		113		70-130	7		20
o-Chlorotoluene	105		112		70-130	6		20
p-Chlorotoluene	104		111		70-130	7		20
1,2-Dibromo-3-chloropropane	103		105		41-144	2		20
Hexachlorobutadiene	97		104		63-130	7		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG769934-1 WG769934-2								
Isopropylbenzene	103		109		70-130	6		20
p-Isopropyltoluene	105		113		70-130	7		20
Naphthalene	99		104		70-130	5		20
n-Propylbenzene	107		115		69-130	7		20
1,2,3-Trichlorobenzene	97		102		70-130	5		20
1,2,4-Trichlorobenzene	97		105		70-130	8		20
1,3,5-Trimethylbenzene	105		113		64-130	7		20
1,2,4-Trimethylbenzene	105		114		70-130	8		20
Methyl Acetate	94		102		70-130	8		20
Ethyl Acetate	104		109		70-130	5		20
Cyclohexane	101		110		70-130	9		20
Ethyl-Tert-Butyl-Ether	104		108		70-130	4		20
Tertiary-Amyl Methyl Ether	96		100		66-130	4		20
1,4-Dioxane	103		102		56-162	1		20
Freon-113	97		105		70-130	8		20
p-Diethylbenzene	104		112		70-130	7		20
p-Ethyltoluene	106		114		70-130	7		20
1,2,4,5-Tetramethylbenzene	107		115		70-130	7		20
Ethyl ether	98		102		59-134	4		20
trans-1,4-Dichloro-2-butene	101		106		70-130	5		20
Methyl cyclohexane	98		106		70-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 160 LEROY

Project Number: 170215701

Lab Number: L1505070

Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG769934-1 WG769934-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		109		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	105		106		70-130
Dibromofluoromethane	103		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG770017-1 WG770017-2								
Chloroform	108		107		70-130	1		20
Carbon tetrachloride	97		98		63-132	1		20
Tetrachloroethene	89		92		70-130	3		20
Chlorobenzene	93		93		75-130	0		25
1,2-Dichloroethane	104		104		70-130	0		20
Benzene	101		102		70-130	1		25
Vinyl chloride	98		95		55-140	3		20
1,1-Dichloroethene	104		107		61-145	3		25
Trichloroethene	102		102		70-130	0		25
1,4-Dichlorobenzene	84		87		70-130	4		20
2-Butanone	81		80		63-138	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	92		92		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	107		106		70-130

SEMIVOLATILES

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-03
Client ID: COMP-E_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 03/23/15 05:05
Analyst: PS
Percent Solids: 85%
TCLP/SPLP Ext. Date: 03/19/15 16:15

Date Collected: 03/17/15 13:30
Date Received: 03/17/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 03/22/15 08:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	101		10-120
4-Terphenyl-d14	88		33-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-03	Date Collected:	03/17/15 13:30
Client ID:	COMP-E_0-6'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/20/15 05:49
Analytical Date:	03/24/15 03:01		
Analyst:	HL		
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	100	J	ug/kg	150	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	1900		ug/kg	120	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	140	J	ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-03 Date Collected: 03/17/15 13:30

Client ID: COMP-E_0-6' Date Received: 03/17/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	930		ug/kg	120	38.	1
Benzo(a)pyrene	840		ug/kg	150	47.	1
Benzo(b)fluoranthene	1200		ug/kg	120	39.	1
Benzo(k)fluoranthene	410		ug/kg	120	37.	1
Chrysene	930		ug/kg	120	38.	1
Acenaphthylene	170		ug/kg	150	36.	1
Anthracene	340		ug/kg	120	32.	1
Benzo(ghi)perylene	540		ug/kg	150	40.	1
Fluorene	110	J	ug/kg	190	55.	1
Phenanthrene	1500		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	140		ug/kg	120	37.	1
Indeno(1,2,3-cd)Pyrene	590		ug/kg	150	43.	1
Pyrene	1600		ug/kg	120	37.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	93	J	ug/kg	190	64.	1
2-Methylnaphthalene	84	J	ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	140	J	ug/kg	190	41.	1

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-03 Date Collected: 03/17/15 13:30

Client ID: COMP-E_0-6' Date Received: 03/17/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	72		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-04	Date Collected:	03/17/15 13:35
Client ID:	COMP-E_6-12'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/20/15 05:49
Analytical Date:	03/24/15 10:26		
Analyst:	HL		
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	41.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	56.	1
2-Chloronaphthalene	ND		ug/kg	200	65.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	63.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	43.	1
2,6-Dinitrotoluene	ND		ug/kg	200	51.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	53.	1
Naphthalene	ND		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	49.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-04 Date Collected: 03/17/15 13:35

Client ID: COMP-E_6-12' Date Received: 03/17/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	39.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	39.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	66.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	55.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	62.	1
Acetophenone	ND		ug/kg	200	62.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	58.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	430	63.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	960	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	73.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	59.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	43.	1

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-04 Date Collected: 03/17/15 13:35

Client ID: COMP-E_6-12' Date Received: 03/17/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	95		18-120

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/23/15 21:32
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 03/20/15 05:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG769579-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/23/15 21:32
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 03/20/15 05:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG769579-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/23/15 21:32
Analyst: HL

Extraction Method: EPA 3546
Extraction Date: 03/20/15 05:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03-04 Batch: WG769579-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	96		18-120

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/23/15 01:14
Analyst: PS
TCLP Extraction Date: 03/19/15 16:15

Extraction Method: EPA 3510C
Extraction Date: 03/22/15 08:42

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG769954-1					
Hexachlorobenzene	ND		ug/l	10	2.0
2,4-Dinitrotoluene	ND		ug/l	25	5.2
Hexachlorobutadiene	ND		ug/l	10	2.1
Hexachloroethane	ND		ug/l	10	1.5
Nitrobenzene	ND		ug/l	10	2.0
2,4,6-Trichlorophenol	ND		ug/l	25	3.9
Pentachlorophenol	ND		ug/l	50	16.
2-Methylphenol	ND		ug/l	25	3.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.7
Pyridine	ND		ug/l	25	1.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	93		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG769579-2 WG769579-3								
Acenaphthene	63		67		31-137	6		50
1,2,4-Trichlorobenzene	62		66		38-107	6		50
Hexachlorobenzene	61		66		40-140	8		50
Bis(2-chloroethyl)ether	59		63		40-140	7		50
2-Chloronaphthalene	63		68		40-140	8		50
1,2-Dichlorobenzene	60		63		40-140	5		50
1,3-Dichlorobenzene	59		62		40-140	5		50
1,4-Dichlorobenzene	59		63		28-104	7		50
3,3'-Dichlorobenzidine	**38**	Q	44		40-140	15		50
2,4-Dinitrotoluene	70		76		28-89	8		50
2,6-Dinitrotoluene	66		72		40-140	9		50
Fluoranthene	66		70		40-140	6		50
4-Chlorophenyl phenyl ether	64		68		40-140	6		50
4-Bromophenyl phenyl ether	63		68		40-140	8		50
Bis(2-chloroisopropyl)ether	58		62		40-140	7		50
Bis(2-chloroethoxy)methane	58		62		40-117	7		50
Hexachlorobutadiene	62		65		40-140	5		50
Hexachlorocyclopentadiene	82		86		40-140	5		50
Hexachloroethane	59		63		40-140	7		50
Isophorone	61		66		40-140	8		50
Naphthalene	63		66		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG769579-2 WG769579-3								
Nitrobenzene	50		53		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	65		70		36-157	7		50
n-Nitrosodi-n-propylamine	59		64		32-121	8		50
Bis(2-Ethylhexyl)phthalate	68		73		40-140	7		50
Butyl benzyl phthalate	66		71		40-140	7		50
Di-n-butylphthalate	68		74		40-140	8		50
Di-n-octylphthalate	73		77		40-140	5		50
Diethyl phthalate	65		70		40-140	7		50
Dimethyl phthalate	66		70		40-140	6		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	66		71		40-140	7		50
Benzo(b)fluoranthene	61		65		40-140	6		50
Benzo(k)fluoranthene	67		72		40-140	7		50
Chrysene	65		68		40-140	5		50
Acenaphthylene	67		72		40-140	7		50
Anthracene	69		74		40-140	7		50
Benzo(ghi)perylene	63		67		40-140	6		50
Fluorene	65		69		40-140	6		50
Phenanthrene	64		68		40-140	6		50
Dibenzo(a,h)anthracene	65		69		40-140	6		50
Indeno(1,2,3-cd)Pyrene	62		66		40-140	6		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG769579-2 WG769579-3								
Pyrene	64		68		35-142	6		50
Biphenyl	78		84		54-104	7		50
4-Chloroaniline	**24**	Q	**27**	Q	40-140	12		50
2-Nitroaniline	66		71		47-134	7		50
3-Nitroaniline	36		42		26-129	15		50
4-Nitroaniline	60		65		41-125	8		50
Dibenzofuran	64		69		40-140	8		50
2-Methylnaphthalene	47		50		40-140	6		50
1,2,4,5-Tetrachlorobenzene	77		82		40-117	6		50
Acetophenone	64		68		14-144	6		50
2,4,6-Trichlorophenol	66		70		30-130	6		50
P-Chloro-M-Cresol	65		71		26-103	9		50
2-Chlorophenol	64		69		25-102	8		50
2,4-Dichlorophenol	67		71		30-130	6		50
2,4-Dimethylphenol	59		64		30-130	8		50
2-Nitrophenol	65		69		30-130	6		50
4-Nitrophenol	59		62		11-114	5		50
2,4-Dinitrophenol	55		60		4-130	9		50
4,6-Dinitro-o-cresol	62		67		10-130	8		50
Pentachlorophenol	62		67		17-109	8		50
Phenol	63		68		26-90	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 160 LEROY

Project Number: 170215701

Lab Number: L1505070

Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03-04 Batch: WG769579-2 WG769579-3								
2-Methylphenol	63		67		30-130.	6		50
3-Methylphenol/4-Methylphenol	65		71		30-130	9		50
2,4,5-Trichlorophenol	66		72		30-130	9		50
Benzoic Acid	44		47		10-66	7		50
Benzyl Alcohol	57		63		40-140	10		50
Carbazole	65		70		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		68		25-120
Phenol-d6	65		70		10-120
Nitrobenzene-d5	62		66		23-120
2-Fluorobiphenyl	66		71		30-120
2,4,6-Tribromophenol	68		73		10-136
4-Terphenyl-d14	66		70		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG769954-2 WG769954-3								
Hexachlorobenzene	94		98		40-140	4		30
2,4-Dinitrotoluene	**97**	Q	**101**	Q	24-96	4		30
Hexachlorobutadiene	87		94		40-140	8		30
Hexachloroethane	80		84		25-95	5		30
Nitrobenzene	87		98		40-140	12		30
2,4,6-Trichlorophenol	89		98		30-130	10		30
Pentachlorophenol	97		**115**	Q	9-103	17		30
2-Methylphenol	80		87		30-130	8		30
3-Methylphenol/4-Methylphenol	86		92		30-130	7		30
2,4,5-Trichlorophenol	91		103		30-130	12		30
Pyridine	60		60		10-66	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		86		21-120
Phenol-d6	80		88		10-120
Nitrobenzene-d5	91		99		23-120
2-Fluorobiphenyl	88		98		15-120
2,4,6-Tribromophenol	109		118		10-120
4-Terphenyl-d14	96		101		33-120

PETROLEUM HYDROCARBONS

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-01	Date Collected:	03/17/15 12:55
Client ID:	SB-E2_1-2'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/19/15 18:04		
Analyst:	BS		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	2800	53.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	80		70-130
4-Bromofluorobenzene	70		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-01	Date Collected:	03/17/15 12:55
Client ID:	SB-E2_1-2'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/21/15 00:54
Analytical Date:	03/21/15 17:39		
Analyst:	AR		
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	36100	J	ug/kg	38600	2630	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	72		40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-02	Date Collected:	03/17/15 13:25
Client ID:	SB-E1_11-12'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/19/15 20:02		
Analyst:	BS		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	5800		ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	84		70-130
4-Bromofluorobenzene	76		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-02	Date Collected:	03/17/15 13:25
Client ID:	SB-E1_11-12'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/21/15 00:54
Analytical Date:	03/21/15 13:13		
Analyst:	AR		
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	4740	J	ug/kg	39500	2690	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	74		40-140

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 03/19/15 09:47
Analyst: BS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-02 Batch: WG769616-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	83		70-130
4-Bromofluorobenzene	73		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 03/21/15 12:07
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 03/21/15 00:54

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02 Batch: WG769827-1					
TPH	3980	J	ug/kg	31400	2140

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	77		40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG769616-1 WG769616-2								
Gasoline Range Organics	83		88		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	99		95		70-130
4-Bromofluorobenzene	94		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 Batch: WG769827-2								
TPH	67		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	67				40-140

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG769616-5 QC Sample: L1505070-01 Client ID: SB-E2_1-2'												
Gasoline Range Organics	ND	22100	20000	90		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	92				70-130
4-Bromofluorobenzene	85				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG769616-4 QC Sample: L1505070-01 Client ID: SB-E2_1-2'						
Gasoline Range Organics	ND	ND	ug/kg	NC		20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	80		85		70-130
4-Bromofluorobenzene	70		75		70-130

Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG769827-3 QC Sample: L1505018-01 Client ID: DUP Sample						
TPH	35200J	12600J	ug/kg	NC		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		78		40-140

PCBS

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-03	Date Collected:	03/17/15 13:30
Client ID:	COMP-E_0-6'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/20/15 03:58
Analytical Date:	03/21/15 21:09	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/21/15
Percent Solids:	85%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/21/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	2.94	1	A
Aroclor 1221	ND		ug/kg	37.2	3.43	1	A
Aroclor 1232	ND		ug/kg	37.2	4.36	1	A
Aroclor 1242	ND		ug/kg	37.2	4.56	1	A
Aroclor 1248	ND		ug/kg	37.2	3.14	1	A
Aroclor 1254	ND		ug/kg	37.2	3.06	1	A
Aroclor 1260	21.3	J	ug/kg	37.2	2.84	1	B
Aroclor 1262	ND		ug/kg	37.2	1.84	1	A
Aroclor 1268	ND		ug/kg	37.2	5.40	1	A
PCBs, Total	21.3	J	ug/kg	37.2	1.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-04	Date Collected:	03/17/15 13:35
Client ID:	COMP-E_6-12'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/20/15 03:58
Analytical Date:	03/21/15 21:23	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/21/15
Percent Solids:	81%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/21/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.6	3.13	1	A
Aroclor 1221	ND		ug/kg	39.6	3.66	1	A
Aroclor 1232	ND		ug/kg	39.6	4.65	1	A
Aroclor 1242	ND		ug/kg	39.6	4.85	1	A
Aroclor 1248	ND		ug/kg	39.6	3.35	1	A
Aroclor 1254	ND		ug/kg	39.6	3.26	1	A
Aroclor 1260	ND		ug/kg	39.6	3.02	1	A
Aroclor 1262	ND		ug/kg	39.6	1.97	1	A
Aroclor 1268	ND		ug/kg	39.6	5.75	1	A
PCBs, Total	ND		ug/kg	39.6	1.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 160 LEROY

Project Number: 170215701

Lab Number: L1505070

Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/21/15 22:32
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/20/15 03:58
Cleanup Method: EPA 3665A
Cleanup Date: 03/21/15
Cleanup Method: EPA 3660B
Cleanup Date: 03/21/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04 Batch: WG769574-1						
Aroclor 1016	ND		ug/kg	31.3	2.48	A
Aroclor 1221	ND		ug/kg	31.3	2.89	A
Aroclor 1232	ND		ug/kg	31.3	3.67	A
Aroclor 1242	ND		ug/kg	31.3	3.84	A
Aroclor 1248	ND		ug/kg	31.3	2.64	A
Aroclor 1254	ND		ug/kg	31.3	2.58	A
Aroclor 1260	ND		ug/kg	31.3	2.39	A
Aroclor 1262	ND		ug/kg	31.3	1.55	A
Aroclor 1268	ND		ug/kg	31.3	4.54	A
PCBs, Total	ND		ug/kg	31.3	1.55	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	57		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG769574-2 WG769574-3									
Aroclor 1016	83		85		40-140	2		50	A
Aroclor 1260	53		55		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		68		30-150	A
Decachlorobiphenyl	43		43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		68		30-150	B
Decachlorobiphenyl	58		57		30-150	B

PESTICIDES

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-03	Date Collected:	03/17/15 13:30
Client ID:	COMP-E_0-6'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/22/15 08:54
Analytical Date:	03/23/15 17:57	Cleanup Method:	EPA 3620B
Analyst:	SS	Cleanup Date:	03/23/15
Percent Solids:	85%		
TCLP/SPLP Ext. Date:	03/19/15 16:15		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	0.040	J	ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	0.521	J	ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-03	Date Collected:	03/17/15 13:30
Client ID:	COMP-E_0-6'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/20/15 06:00
Analytical Date:	03/22/15 22:23	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/22/15
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.365	1	A
Lindane	ND		ug/kg	0.778	0.348	1	A
Alpha-BHC	ND		ug/kg	0.778	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.708	1	A
Heptachlor	ND		ug/kg	0.933	0.418	1	A
Aldrin	ND		ug/kg	1.87	0.657	1	A
Heptachlor epoxide	ND		ug/kg	3.50	1.05	1	A
Endrin	ND		ug/kg	0.778	0.319	1	A
Endrin ketone	ND		ug/kg	1.87	0.480	1	A
Dieldrin	ND		ug/kg	1.17	0.583	1	A
4,4'-DDE	3.74		ug/kg	1.87	0.432	1	A
4,4'-DDD	2.57		ug/kg	1.87	0.666	1	A
4,4'-DDT	10.8		ug/kg	3.50	1.50	1	B
Endosulfan I	ND		ug/kg	1.87	0.441	1	A
Endosulfan II	ND		ug/kg	1.87	0.624	1	A
Endosulfan sulfate	ND		ug/kg	0.778	0.370	1	A
Methoxychlor	ND		ug/kg	3.50	1.09	1	A
Toxaphene	ND		ug/kg	35.0	9.80	1	A
cis-Chlordane	0.885	J	ug/kg	2.33	0.650	1	A
trans-Chlordane	ND		ug/kg	2.33	0.616	1	A
Chlordane	ND		ug/kg	15.2	6.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	51		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	51		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-03	Date Collected:	03/17/15 13:30
Client ID:	COMP-E_0-6'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/23/15 10:50
Analytical Date:	03/24/15 07:28		
Analyst:	SS		
Percent Solids:	85%		
TCLP/SPLP Ext. Date:	03/19/15 16:15		
Methylation Date:	03/24/15 01:21		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	46		30-150	A
DCAA	37		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-03	Date Collected:	03/17/15 13:30
Client ID:	COMP-E_0-6'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/21/15 14:26
Analytical Date:	03/23/15 06:35		
Analyst:	SS		
Percent Solids:	85%		
Methylation Date:	03/22/15 23:06		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	193	23.5	1	A
2,4,5-T	ND		ug/kg	193	12.1	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	10.7	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	50		30-150	A
DCAA	46		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-04	Date Collected:	03/17/15 13:35
Client ID:	COMP-E_6-12'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/20/15 06:00
Analytical Date:	03/22/15 22:36	Cleanup Method:	EPA 3620B
Analyst:	JW	Cleanup Date:	03/22/15
Percent Solids:	81%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.805	0.360	1	A
Alpha-BHC	ND		ug/kg	0.805	0.229	1	A
Beta-BHC	ND		ug/kg	1.93	0.733	1	A
Heptachlor	ND		ug/kg	0.966	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.680	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.09	1	A
Endrin	ND		ug/kg	0.805	0.330	1	A
Endrin ketone	ND		ug/kg	1.93	0.498	1	A
Dieldrin	ND		ug/kg	1.21	0.604	1	A
4,4'-DDE	ND		ug/kg	1.93	0.447	1	A
4,4'-DDD	ND		ug/kg	1.93	0.689	1	A
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.457	1	A
Endosulfan II	ND		ug/kg	1.93	0.646	1	A
Endosulfan sulfate	ND		ug/kg	0.805	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.13	1	A
Toxaphene	ND		ug/kg	36.2	10.1	1	A
cis-Chlordane	ND		ug/kg	2.42	0.673	1	A
trans-Chlordane	ND		ug/kg	2.42	0.638	1	A
Chlordane	ND		ug/kg	15.7	6.40	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	40		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	32		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-04	Date Collected:	03/17/15 13:35
Client ID:	COMP-E_6-12'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/21/15 14:26
Analytical Date:	03/23/15 06:55		
Analyst:	SS		
Percent Solids:	81%		
Methylation Date:	03/22/15 23:06		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	204	24.8	1	A
2,4,5-T	ND		ug/kg	204	12.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	204	11.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	42		30-150	A
DCAA	36		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/22/15 19:47
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/20/15 06:00
Cleanup Method: EPA 3620B
Cleanup Date: 03/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04 Batch: WG769581-1						
Delta-BHC	ND		ug/kg	1.58	0.310	A
Lindane	ND		ug/kg	0.659	0.295	A
Alpha-BHC	ND		ug/kg	0.659	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.600	A
Heptachlor	ND		ug/kg	0.791	0.355	A
Aldrin	ND		ug/kg	1.58	0.557	A
Heptachlor epoxide	ND		ug/kg	2.97	0.890	A
Endrin	ND		ug/kg	0.659	0.270	A
Endrin ketone	ND		ug/kg	1.58	0.407	A
Dieldrin	ND		ug/kg	0.989	0.494	A
4,4'-DDE	ND		ug/kg	1.58	0.366	A
4,4'-DDD	ND		ug/kg	1.58	0.564	A
4,4'-DDT	ND		ug/kg	2.97	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.374	A
Endosulfan II	ND		ug/kg	1.58	0.529	A
Endosulfan sulfate	ND		ug/kg	0.659	0.314	A
Methoxychlor	ND		ug/kg	2.97	0.923	A
Toxaphene	ND		ug/kg	29.7	8.30	A
cis-Chlordane	ND		ug/kg	1.98	0.551	A
trans-Chlordane	ND		ug/kg	1.98	0.522	A
Chlordane	ND		ug/kg	12.8	5.24	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/23/15 01:02
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 03/21/15 14:26

Methylation Date: 03/22/15 23:06

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04 Batch: WG769895-1						
2,4-D	ND		ug/kg	163	19.9	A
2,4,5-T	ND		ug/kg	163	10.2	A
2,4,5-TP (Silvex)	ND		ug/kg	163	9.02	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	49		30-150	A
DCAA	35		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/15 17:04
Analyst: SS
TCLP Extraction Date: 03/19/15 16:15

Extraction Method: EPA 3510C
Extraction Date: 03/22/15 08:54
Cleanup Method: EPA 3620B
Cleanup Date: 03/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG769955-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	0.031	J	ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	0.405	J	ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/24/15 05:50
Analyst: SS
TCLP Extraction Date: 03/19/15 16:15
Methylation Date: 03/24/15 01:21

Extraction Method: EPA 8151A
Extraction Date: 03/23/15 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG770093-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	52		30-150	A
DCAA	46		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG769581-2 WG769581-3									
Delta-BHC	84		65		30-150	26		30	A
Lindane	103		84		30-150	20		30	A
Alpha-BHC	108		87		30-150	22		30	A
Beta-BHC	94		78		30-150	19		30	A
Heptachlor	119		99		30-150	18		30	A
Aldrin	112		93		30-150	19		30	A
Heptachlor epoxide	104		87		30-150	18		30	A
Endrin	118		97		30-150	20		30	A
Endrin ketone	88		68		30-150	26		30	A
Dieldrin	113		94		30-150	18		30	A
4,4'-DDE	121		102		30-150	17		30	A
4,4'-DDD	119		100		30-150	17		30	A
4,4'-DDT	119		100		30-150	17		30	A
Endosulfan I	103		86		30-150	18		30	A
Endosulfan II	103		80		30-150	25		30	A
Endosulfan sulfate	81		56		30-150	**36**	Q	30	A
Methoxychlor	120		98		30-150	20		30	A
cis-Chlordane	103		87		30-150	17		30	A
trans-Chlordane	127		100		30-150	24		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG769581-2 WG769581-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		70		30-150	B
Decachlorobiphenyl	83		70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		72		30-150	A
Decachlorobiphenyl	79		71		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG769895-2 WG769895-3									
Dicamba	95		72		30-150	28		30	A
2,4-D	94		77		30-150	20		30	A
2,4,5-T	97		73		30-150	28		30	A
2,4,5-TP (Silvex)	95		75		30-150	24		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	96		71		30-150	A
DCAA	72		60		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG769955-2 WG769955-3									
Lindane	80		47		30-150	**52**	Q	20	A
Heptachlor	86		54		30-150	**47**	Q	20	A
Heptachlor epoxide	81		47		30-150	**53**	Q	20	A
Endrin	91		52		30-150	**55**	Q	20	A
Methoxychlor	102		59		30-150	**54**	Q	20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		40		30-150	A
Decachlorobiphenyl	51		34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		38		30-150	B
Decachlorobiphenyl	58		33		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG770093-2 WG770093-3									
2,4-D	95		112		30-150	16		25	A
2,4,5-TP (Silvex)	45		69		30-150	**42**	Q	25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	52		74		30-150	A
DCAA	43		58		30-150	B

METALS

Project Name:	160 LEROY	**Lab Number:**	L1505070
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-03	Date Collected:	03/17/15 13:30
Client ID:	COMP-E_0-6'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	03/19/15 16:15
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	0.28	J	mg/l	1.0	0.02	1	03/21/15 11:42	03/23/15 15:05	EPA 3015	1,6010C	JH
Barium, TCLP	3.7		mg/l	0.50	0.03	1	03/21/15 11:42	03/23/15 15:05	EPA 3015	1,6010C	JH
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	03/21/15 11:42	03/23/15 15:05	EPA 3015	1,6010C	JH
Chromium, TCLP	ND		mg/l	0.20	0.02	1	03/21/15 11:42	03/23/15 15:05	EPA 3015	1,6010C	JH
Lead, TCLP	8.3		mg/l	0.50	0.02	1	03/21/15 11:42	03/23/15 15:05	EPA 3015	1,6010C	JH
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/20/15 14:19	03/20/15 18:24	EPA 7470A	1,7470A	AB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	03/21/15 11:42	03/23/15 15:05	EPA 3015	1,6010C	JH
Silver, TCLP	ND		mg/l	0.10	0.02	1	03/21/15 11:42	03/23/15 15:05	EPA 3015	1,6010C	JH

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-03
Client ID: COMP-E_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 03/17/15 13:30
Date Received: 03/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3800		mg/kg	9.4	1.9	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Antimony, Total	220		mg/kg	4.7	0.75	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Arsenic, Total	69		mg/kg	0.94	0.19	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Barium, Total	400		mg/kg	0.94	0.28	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Beryllium, Total	0.33	J	mg/kg	0.47	0.09	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.94	0.07	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Calcium, Total	12000		mg/kg	9.4	2.8	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	0.94	0.19	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Cobalt, Total	21		mg/kg	1.9	0.47	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Copper, Total	1100		mg/kg	0.94	0.19	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Iron, Total	65000		mg/kg	4.7	1.9	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Lead, Total	3900		mg/kg	4.7	0.19	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Magnesium, Total	3200		mg/kg	9.4	0.94	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Manganese, Total	370		mg/kg	0.94	0.19	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Mercury, Total	7.8		mg/kg	0.37	0.08	5	03/19/15 06:05	03/19/15 11:51	EPA 7471B	1,7471B	MC
Nickel, Total	42		mg/kg	2.3	0.37	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Potassium, Total	680		mg/kg	230	37.	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.9	0.28	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Silver, Total	0.94		mg/kg	0.94	0.19	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Sodium, Total	220		mg/kg	190	28.	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.37	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Vanadium, Total	24		mg/kg	0.94	0.09	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG
Zinc, Total	760		mg/kg	4.7	0.66	2	03/18/15 12:38	03/19/15 12:52	EPA 3050B	1,6010C	MG

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-04
Client ID: COMP-E_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 81%

Date Collected: 03/17/15 13:35
Date Received: 03/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6500		mg/kg	9.3	1.8	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Antimony, Total	6.2		mg/kg	4.6	0.74	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Arsenic, Total	5.8		mg/kg	0.93	0.18	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Barium, Total	150		mg/kg	0.93	0.28	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Beryllium, Total	0.38	J	mg/kg	0.46	0.09	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.93	0.07	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Calcium, Total	2000		mg/kg	9.3	2.8	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Chromium, Total	14		mg/kg	0.93	0.18	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Cobalt, Total	5.2		mg/kg	1.8	0.46	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Copper, Total	32		mg/kg	0.93	0.18	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Iron, Total	11000		mg/kg	4.6	1.8	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Lead, Total	57		mg/kg	4.6	0.18	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Magnesium, Total	2100		mg/kg	9.3	0.93	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Manganese, Total	150		mg/kg	0.93	0.18	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Mercury, Total	0.24		mg/kg	0.08	0.02	1	03/19/15 06:05	03/19/15 10:50	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.3	0.37	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Potassium, Total	700		mg/kg	230	37.	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.28	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.93	0.18	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Sodium, Total	140	J	mg/kg	180	28.	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Vanadium, Total	14		mg/kg	0.93	0.09	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG
Zinc, Total	130		mg/kg	4.6	0.65	2	03/18/15 12:38	03/19/15 13:12	EPA 3050B	1,6010C	MG

Project Name: 160 LEROY **Lab Number:** L1505070

Project Number: 170215701 **Report Date:** 03/24/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG769061-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	03/18/15 12:38	03/19/15 12:45	1,6010C	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG769266-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/19/15 06:05	03/19/15 10:32	1,7471B	MC

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG769684-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/20/15 14:19	03/20/15 18:04	1,7470A	AB

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 03/19/15 16:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG769852-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	03/21/15 11:42	03/23/15 12:42	1,6010C	JH
Barium, TCLP	0.04	J	mg/l	0.50	0.03	1	03/21/15 11:42	03/23/15 12:42	1,6010C	JH
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	03/21/15 11:42	03/23/15 12:42	1,6010C	JH
Chromium, TCLP	ND		mg/l	0.20	0.02	1	03/21/15 11:42	03/23/15 12:42	1,6010C	JH
Lead, TCLP	ND		mg/l	0.50	0.02	1	03/21/15 11:42	03/23/15 12:42	1,6010C	JH
Selenium, TCLP	ND		mg/l	0.50	0.03	1	03/21/15 11:42	03/23/15 12:42	1,6010C	JH
Silver, TCLP	ND		mg/l	0.10	0.02	1	03/21/15 11:42	03/23/15 12:42	1,6010C	JH

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 03/19/15 16:15

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG769061-2 SRM Lot Number: D083-540								
Aluminum, Total	67		-		51-148	-		
Antimony, Total	129		-		1-210	-		
Arsenic, Total	90		-		78-122	-		
Barium, Total	90		-		82-117	-		
Beryllium, Total	88		-		82-118	-		
Cadmium, Total	84		-		82-118	-		
Calcium, Total	86		-		82-118	-		
Chromium, Total	87		-		79-121	-		
Cobalt, Total	86		-		83-117	-		
Copper, Total	92		-		80-120	-		
Iron, Total	86		-		47-153	-		
Lead, Total	84		-		81-119	-		
Magnesium, Total	76		-		75-124	-		
Manganese, Total	90		-		81-119	-		
Nickel, Total	85		-		82-118	-		
Potassium, Total	76		-		70-130	-		
Selenium, Total	90		-		78-123	-		
Silver, Total	91		-		74-125	-		
Sodium, Total	77		-		70-130	-		
Thallium, Total	85		-		78-122	-		
Vanadium, Total	89		-		65-135	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG769061-2 SRM Lot Number: D083-540					
Zinc, Total	87	-	80-121	-	
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG769266-2 SRM Lot Number: D083-540					
Mercury, Total	110	-	75-126	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG769684-2					
Mercury, TCLP	110	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG769852-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	106	-	75-125	-	20
Chromium, TCLP	100	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	100	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769061-4 QC Sample: L1505070-03 Client ID: COMP-E_0-6'												
Aluminum, Total	3800	180	5100	**722**	Q	-	-		75-125	-		20
Antimony, Total	220	45	240	**44**	Q	-	-		75-125	-		20
Arsenic, Total	69.	10.8	57	**0**	Q	-	-		75-125	-		20
Barium, Total	400	180	830	**239**	Q	-	-		75-125	-		20
Beryllium, Total	0.33J	4.5	4.7	104		-	-		75-125	-		20
Cadmium, Total	ND	4.59	4.3	94		-	-		75-125	-		20
Calcium, Total	12000	900	13000	111		-	-		75-125	-		20
Chromium, Total	18.	18	43	**139**	Q	-	-		75-125	-		20
Cobalt, Total	21.	45	54	**73**	Q	-	-		75-125	-		20
Copper, Total	1100	22.5	840	**0**	Q	-	-		75-125	-		20
Iron, Total	65000	90	50000	**0**	Q	-	-		75-125	-		20
Lead, Total	3900	45.9	1800	**0**	Q	-	-		75-125	-		20
Magnesium, Total	3200	900	4700	**167**	Q	-	-		75-125	-		20
Manganese, Total	370	45	490	**266**	Q	-	-		75-125	-		20
Nickel, Total	42.	45	80	84		-	-		75-125	-		20
Potassium, Total	680	900	1600	102		-	-		75-125	-		20
Selenium, Total	ND	10.8	8.9	82		-	-		75-125	-		20
Silver, Total	0.94	27	24	89		-	-		75-125	-		20
Sodium, Total	220	900	1200	109		-	-		75-125	-		20
Thallium, Total	ND	10.8	8.3	77		-	-		75-125	-		20
Vanadium, Total	24.	45	63	87		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769061-4 QC Sample: L1505070-03 Client ID: COMP-E_0-6'										
Zinc, Total	760	45	800	89		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769266-4 QC Sample: L1505009-11 Client ID: MS Sample										
Mercury, Total	0.06J	0.153	0.25	**163**	Q	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 QC Batch ID: WG769684-4 QC Sample: L1505003-05 Client ID: MS Sample										
Mercury, TCLP	0.0038	0.025	0.0302	106		-	-	80-120	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 QC Batch ID: WG769852-4 QC Sample: L1505059-02 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Barium, TCLP	0.51	20	20	97		-	-	75-125	-	20
Cadmium, TCLP	0.01J	0.51	0.54	106		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.9	95		-	-	75-125	-	20
Lead, TCLP	9.5	5.1	14	88		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.2	100		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.49	98		-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769061-3 QC Sample: L1505070-03 Client ID: COMP-E_0-6'						
Aluminum, Total	3800	3700	mg/kg	3		20
Antimony, Total	220	300	mg/kg	**31**	Q	20
Arsenic, Total	69.	57	mg/kg	19		20
Barium, Total	400	420	mg/kg	5		20
Beryllium, Total	0.33J	0.32J	mg/kg	NC		20
Cadmium, Total	ND	0.12J	mg/kg	NC		20
Calcium, Total	12000	11000	mg/kg	9		20
Chromium, Total	18.	21	mg/kg	15		20
Cobalt, Total	21.	11	mg/kg	**63**	Q	20
Copper, Total	1100	1200	mg/kg	9		20
Iron, Total	65000	64000	mg/kg	2		20
Lead, Total	3900	2400	mg/kg	**48**	Q	20
Magnesium, Total	3200	2700	mg/kg	17		20
Manganese, Total	370	520	mg/kg	**34**	Q	20
Nickel, Total	42.	33	mg/kg	**24**	Q	20
Potassium, Total	680	710	mg/kg	4		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	0.94	0.71J	mg/kg	NC		20
Sodium, Total	220	240	mg/kg	9		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769061-3 QC Sample: L1505070-03 Client ID: COMP-E_0-6'						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	24.	32	mg/kg	**29**	Q	20
Zinc, Total	760	800	mg/kg	5		20
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769266-3 QC Sample: L1505009-11 Client ID: DUP Sample						
Mercury, Total	0.06J	0.04J	mg/kg	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 QC Batch ID: WG769684-3 QC Sample: L1505003-05 Client ID: DUP Sample						
Mercury, TCLP	0.0038	0.0038	mg/l	2		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 QC Batch ID: WG769852-3 QC Sample: L1505059-02 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.51	0.52	mg/l	2		20
Cadmium, TCLP	0.01J	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	9.5	9.5	mg/l	0		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name:	160 LEROY	**Lab Number:**	L1505070
Project Number:	170215701	**Report Date:**	03/24/15

SAMPLE RESULTS

Lab ID:	L1505070-03	Date Collected:	03/17/15 13:30
Client ID:	COMP-E_0-6'	Date Received:	03/17/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/20/15 16:47	1,1030	SB

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-01
Client ID: SB-E2_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/17/15 12:55
Date Received: 03/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	03/18/15 01:22	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-02
Client ID: SB-E1_11-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/17/15 13:25
Date Received: 03/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.9		%	0.100	NA	1	-	03/18/15 01:22	30,2540G	RT

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-03
Client ID: COMP-E_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/17/15 13:30
Date Received: 03/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	0.94	0.94	1	-	03/19/15 12:52	107,-	
Solids, Total	84.6		%	0.100	NA	1	-	03/18/15 01:22	30,2540G	RT
Cyanide, Total	0.30	J	mg/kg	1.1	0.26	1	03/18/15 13:44	03/19/15 13:12	1,9010C/9012B	ML
pH (H)	8.7		SU	-	NA	1	-	03/18/15 05:00	1,9045D	LH
Chromium, Hexavalent	ND		mg/kg	0.94	0.19	1	03/18/15 17:15	03/19/15 12:04	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/20/15 18:20	03/20/15 20:27	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/20/15 18:20	03/20/15 20:19	1,7.3	TL

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

SAMPLE RESULTS

Lab ID: L1505070-04
Client ID: COMP-E_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/17/15 13:35
Date Received: 03/17/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	14		mg/kg	0.99	0.99	1	-	03/19/15 13:12	107,-	
Solids, Total	81.0		%	0.100	NA	1	-	03/18/15 01:22	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	03/19/15 10:20	03/19/15 14:45	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	0.99	0.20	1	03/18/15 17:15	03/19/15 12:05	1,7196A	JT

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505070
Report Date: 03/24/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG768968-1										
Cyanide, Total	ND		mg/kg	0.96	0.22	1	03/18/15 13:44	03/19/15 13:02	1,9010C/9012B	ML
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG769188-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	03/18/15 17:15	03/19/15 11:55	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 04 Batch: WG769318-1										
Cyanide, Total	ND		mg/kg	0.95	0.22	1	03/19/15 10:20	03/19/15 14:43	1,9010C/9012B	ML
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG769769-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/20/15 18:20	03/20/15 20:26	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG769770-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/20/15 18:20	03/20/15 20:19	1,7.3	TL

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG768892-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG768968-2 WG768968-3								
Cyanide, Total	113		98		80-120	11		35
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG769188-2								
Chromium, Hexavalent	84		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 04 Batch: WG769318-2 WG769318-3								
Cyanide, Total	96		100		80-120	4		35
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG769769-2								
Cyanide, Reactive	38		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG769770-2								
Sulfide, Reactive	88		-		60-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG768968-4 WG768968-5 QC Sample: L1505079-03 Client ID: MS Sample												
Cyanide, Total	ND	10	9.9	97		9.0	92		65-135	10		35
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769188-4 QC Sample: L1505070-04 Client ID: COMP-E_6-12'												
Chromium, Hexavalent	ND	1130	1000	88		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG769318-4 WG769318-5 QC Sample: L1505070-04 Client ID: COMP-E_6-12'												
Cyanide, Total	ND	11	10	89		11	92		65-135	10		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG768881-1 QC Sample: L1505002-01 Client ID: DUP Sample						
Solids, Total	84.8	87.4	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG768892-2 QC Sample: L1505014-01 Client ID: DUP Sample						
pH	7.6	7.6	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769188-6 QC Sample: L1505070-04 Client ID: COMP-E_6-12'						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG769769-3 QC Sample: L1505182-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG769770-3 QC Sample: L1505182-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 03/18/2015 00:40

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1505070-01A	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1505070-01B	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1505070-01C	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1505070-01D	Plastic 2oz unpreserved for TS	A	N/A	5.6	Y	Absent	TS(7)
L1505070-01E	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	TPH-DRO-D(14)
L1505070-01F	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	TPH-GRO(14),TCLP-EXT-ZHE(14)
L1505070-01F9	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	TPH-GRO(14)
L1505070-01U	Vial unpreserved split	A	N/A	5.6	Y	Absent	TCLP-VOA(14)
L1505070-01V	Vial unpreserved split	A	N/A	5.6	Y	Absent	TCLP-VOA(14)
L1505070-01X	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1505070-01Y	Vial Water preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1505070-01Z	Vial Water preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1505070-02A	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1505070-02B	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1505070-02C	5 gram Encore Sampler	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(2)
L1505070-02D	Plastic 2oz unpreserved for TS	A	N/A	5.6	Y	Absent	TS(7)
L1505070-02E	Vial Large Septa unpreserved	A	N/A	5.6	Y	Absent	TPH-GRO(14),TPH-DRO-D(14)
L1505070-02E9	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	TPH-GRO(14)
L1505070-02X	Vial MeOH preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1505070-02Y	Vial Water preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)
L1505070-02Z	Vial Water preserved split	A	N/A	5.6	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1505070-03A	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1505070-03B	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1505070-03Q	Amber 1000ml unpreserved split	A	N/A	5.6	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1505070-03X	Plastic 120ml HNO3 preserved spl	A	<2	5.6	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1505070-03X9	Tumble Vessel	A	N/A	5.6	Y	Absent	-
L1505070-04A	Glass 500ml/16oz unpreserved	A	N/A	5.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1505070-05A	Vial HCl preserved	A	N/A	5.6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505070
Report Date: 03/24/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1505070-03A

L1505070-04A

*Values in parentheses indicate holding time in days

Project Name:	160 LEROY	**Lab Number:**	L1505070
Project Number:	170215701	**Report Date:**	03/24/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	160 LEROY	**Lab Number:**	L1505070
Project Number:	170215701	**Report Date:**	03/24/15

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 160 LEROY **Lab Number:** L1505070
Project Number: 170215701 **Report Date:** 03/24/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Letter

Last revised December 16, 2014

The following analytes are certified under the NELAP Standards for:

Water and Fast Soil
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mixed Fuels
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are certified under MDEP Standards, Water and Fast Soil:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CL-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: SM9215B, SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: SM9223B-Colilert-QT/Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Revised 03/24/15 BV

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FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 17-MAR-15

ALPHA Job #: L1505870

Project Information

Project Name: 160 LEROY

Project Location: 160 LEROY ST, NY NY

Project # 170215701

(Use Project name as Project #) ☐

Project Manager: GERALD NICHOLLS

ALPHAQuote #: 2015215

Turn-Around Time

Standard ☒ Due Date: 24-MAR-15

Rush (only if pre approved) ☐ # of Days:

Client Information

Client: LANGAN

Address: 360 W 31ST ST, 8TH FLOOR
NY NY 10001

Phone: 212-479-5400

Fax: 212-479-5444

Email: gnicholls@langan.com, gwyka@langan.com, pfarnham@langan.com

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other STD. + EXCEL/PDF

Billing Information

☒ Same as Client Info

PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ ☐ NY

☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration: ☐ Done ☐ Lab to do

Preservation: ☐ Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TPH-DRO/GRO	FULL TCLP/IGNIT/CORROS/REACT(CN+SULF)	TCL SVOC, TAL METALS, PCBS, PEST+HERBS	CYANIDE, HEXCR, TRI CR.	TCLP VOC	TOTAL SOLIDS	Sample Specific Comments	Total Bottles
05870-01	SB-E2_1-2'	3/17/15	1255	S	PTF	X	X				X	X	(3) ENCORES, (2) 4OZ GLASS, (1) 2OZ PLASTIC	6
-02	SB-E1_11-12'	3/17/15	1325	S	PTF	X	X					X	(3) ENCORE, (1) 4OZ GLASS, (1) 2OZ PLASTIC	5
-03	COMP-E_0-6'	3/17/15	1330	S	PTF			X	X	X			(2) 16OZ AMBER GLASS	2
-04	COMP-E_6-12'	3/17/15	1335	S	PTF				X	X			(1) 16OZ AMBER GLASS	1
-05	TB01_031715	3/17/15		W		X								

Preservative Code	Container Code
A = None	P = Plastic
B = HCl	A = Amber Glass
C = HNO_3	V = Vial
D = H_2SO_4	G = Glass
E = NaOH	B = Bacteria Cup
F = MeOH	C = Cube
G = $NaHSO_4$	O = Other
H = $Na_2S_2O_3$	E = Encore
K/E = Zn Ac/NaOH	D = BOD Bottle
O = Other	

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3/17/15 1702	[signature]	3/17/15 1702
[signature]	3-17-15 1850	TOM TOREN	3-17-15 1850
TOM TOREN	3-17-15 2330	[signature] Phillips	17-MAR-15 2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 17-MAR-15

ALPHA Job #: L1505876

Client Information

Client: LANGAN
Address: 360 W 31ST ST, 8TH FLOOR
NY NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: gnichols@langan.com, gwykle@langan.com, pfornham@langan.com

Project Information

Project Name: 160 LEROY
Project Location: 160 LEROY ST, NY NY
Project # 170215701
(Use Project name as Project #) ☐
Project Manager: GERALD NICHOLLS
ALPHAQuote #: 201521S

Turn-Around Time

Standard ☒ Due Date: 24-MAR-15
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other STD. + EXCEL/PDF

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do

Preservation
☐ Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOC	TPH-DRO/GRO	FULL TCLP (GNI/CHEM/SVOC/PEST+HERB)	TCL SVOC, THALLIUM, PCBS, PEST+HERB	CYANIDE, MERCURY, NI CR.	TCLP VOC	TOTAL SOLIDS	Sample Specific Comments	Total Bottle
05870-01	SB-E2_1-2'	3/17/15	1255	S	PTF	X	X				X	X	(3) ENCORES, (2) 4OZ GLASS, (1) 2OZ PLASTIC	6
-02	SB-E1_11-12'	3/17/15	1325	S	PTF	X	X					X	(3) ENCORE, (1) 4OZ GLASS, (1) 2OZ PLASTIC	5
-03	COMP-E_0-6'	3/17/15	1330	S	PTF			X	X	X			(2) 16OZ AMBER GLASS	2
-04	COMP-E_6-12'	3/17/15	1335	S	PTF				X	X			(1) 16OZ AMBER GLASS	1
-05	TB01_031715	3/17/15		W										
					Container Type									
					Preservative									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	3/17/15 17:02	[illegible]	3/17/15 17:02
[illegible]	3-17-15 1850	TOM TOLEN	3-17-15 1850
TOM TOLEN	3-17-15 2330	[illegible]	17-MAR-15 2330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1505195
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Gerald Nicholls
Phone:	(212) 479-5400
Project Name:	160 LEROY
Project Number:	170215701
Report Date:	03/26/15

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1505195-01	SB-F3_1-2'	SOIL	160 LEROY ST., NY, NY	03/17/15 23:00	03/18/15
L1505195-02	SB-F1_11-12'	SOIL	160 LEROY ST., NY, NY	03/17/15 21:15	03/18/15
L1505195-03	COMP-F_0-6'	SOIL	160 LEROY ST., NY, NY	03/17/15 23:15	03/18/15
L1505195-04	COMP-F_6-12'	SOIL	160 LEROY ST., NY, NY	03/17/15 23:25	03/18/15
L1505195-05	FB01_031815	WATER	160 LEROY ST., NY, NY	03/18/15 01:30	03/18/15
L1505195-06	TB01_031815	WATER	160 LEROY ST., NY, NY	03/18/15 00:00	03/18/15

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued March 25, 2015, and includes the results of all requested analyses.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

TCLP Pesticides

The WG770526-3 LCSD recovery, associated with L1505195-03, is above the acceptance criteria for methoxychlor (152%); however, the associated sample is non-detect for this target compound. The results of the original analysis are reported.

Total Metals

L1505195-03 and -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative

Date: 03/26/15

ORGANICS

VOLATILES

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-01
Client ID: SB-F3_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/24/15 10:34
Analyst: MM
Percent Solids: 89%
TCLP/SPLP Ext. Date: 03/23/15 13:03

Date Collected: 03/17/15 23:00
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	1.6	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.70	10
1,1-Dichloroethene	ND		ug/l	5.0	1.4	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	26	J	ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-01
Client ID: SB-F3_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/22/15 18:04
Analyst: BN
Percent Solids: 89%

Date Collected: 03/17/15 23:00
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.10	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-01 Date Collected: 03/17/15 23:00

Client ID: SB-F3_1-2' Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	ND		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-01 Date Collected: 03/17/15 23:00

Client ID: SB-F3_1-2' Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-02
Client ID: SB-F1_11-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/23/15 11:05
Analyst: BN
Percent Solids: 53%

Date Collected: 03/17/15 21:15
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	22	2.5	1
1,1-Dichloroethane	ND		ug/kg	3.4	0.19	1
Chloroform	ND		ug/kg	3.4	0.83	1
Carbon tetrachloride	ND		ug/kg	2.2	0.47	1
1,2-Dichloropropane	ND		ug/kg	7.8	0.51	1
Dibromochloromethane	ND		ug/kg	2.2	0.34	1
1,1,2-Trichloroethane	ND		ug/kg	3.4	0.68	1
Tetrachloroethene	ND		ug/kg	2.2	0.31	1
Chlorobenzene	ND		ug/kg	2.2	0.78	1
Trichlorofluoromethane	ND		ug/kg	11	0.87	1
1,2-Dichloroethane	ND		ug/kg	2.2	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	2.2	0.25	1
Bromodichloromethane	ND		ug/kg	2.2	0.39	1
trans-1,3-Dichloropropene	ND		ug/kg	2.2	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	2.2	0.26	1
1,3-Dichloropropene, Total	ND		ug/kg	2.2	0.26	1
1,1-Dichloropropene	ND		ug/kg	11	0.32	1
Bromoform	ND		ug/kg	9.0	0.53	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.2	0.22	1
Benzene	ND		ug/kg	2.2	0.26	1
Toluene	ND		ug/kg	3.4	0.44	1
Ethylbenzene	ND		ug/kg	2.2	0.28	1
Chloromethane	ND		ug/kg	11	0.66	1
Bromomethane	ND		ug/kg	4.5	0.76	1
Vinyl chloride	ND		ug/kg	4.5	0.26	1
Chloroethane	ND		ug/kg	4.5	0.71	1
1,1-Dichloroethene	ND		ug/kg	2.2	0.59	1
trans-1,2-Dichloroethene	ND		ug/kg	3.4	0.47	1
Trichloroethene	ND		ug/kg	2.2	0.28	1
1,2-Dichlorobenzene	ND		ug/kg	11	0.34	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-02 Date Collected: 03/17/15 21:15

Client ID: SB-F1_11-12' Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	11	0.30	1
1,4-Dichlorobenzene	ND		ug/kg	11	0.31	1
Methyl tert butyl ether	ND		ug/kg	4.5	0.19	1
p/m-Xylene	ND		ug/kg	4.5	0.44	1
o-Xylene	ND		ug/kg	4.5	0.38	1
Xylenes, Total	ND		ug/kg	4.5	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	2.2	0.32	1
1,2-Dichloroethene, Total	ND		ug/kg	2.2	0.32	1
Dibromomethane	ND		ug/kg	22	0.37	1
Styrene	ND		ug/kg	4.5	0.90	1
Dichlorodifluoromethane	ND		ug/kg	22	0.43	1
Acetone	39		ug/kg	22	2.3	1
Carbon disulfide	ND		ug/kg	22	2.5	1
2-Butanone	ND		ug/kg	22	0.61	1
Vinyl acetate	ND		ug/kg	22	0.30	1
4-Methyl-2-pentanone	ND		ug/kg	22	0.55	1
1,2,3-Trichloropropane	ND		ug/kg	22	0.36	1
2-Hexanone	ND		ug/kg	22	1.5	1
Bromochloromethane	ND		ug/kg	11	0.62	1
2,2-Dichloropropane	ND		ug/kg	11	0.50	1
1,2-Dibromoethane	ND		ug/kg	9.0	0.39	1
1,3-Dichloropropane	ND		ug/kg	11	0.32	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.2	0.71	1
Bromobenzene	ND		ug/kg	11	0.46	1
n-Butylbenzene	ND		ug/kg	2.2	0.26	1
sec-Butylbenzene	ND		ug/kg	2.2	0.27	1
tert-Butylbenzene	ND		ug/kg	11	0.30	1
o-Chlorotoluene	ND		ug/kg	11	0.36	1
p-Chlorotoluene	ND		ug/kg	11	0.30	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	11	0.89	1
Hexachlorobutadiene	ND		ug/kg	11	0.51	1
Isopropylbenzene	ND		ug/kg	2.2	0.23	1
p-Isopropyltoluene	ND		ug/kg	2.2	0.28	1
Naphthalene	ND		ug/kg	11	0.31	1
Acrylonitrile	ND		ug/kg	22	1.2	1
n-Propylbenzene	ND		ug/kg	2.2	0.24	1
1,2,3-Trichlorobenzene	ND		ug/kg	11	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	11	0.41	1
1,3,5-Trimethylbenzene	ND		ug/kg	11	0.32	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-02 Date Collected: 03/17/15 21:15

Client ID: SB-F1_11-12' Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	11	0.32	1
1,4-Dioxane	ND		ug/kg	220	32.	1
p-Diethylbenzene	ND		ug/kg	9.0	0.36	1
p-Ethyltoluene	ND		ug/kg	9.0	0.28	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	9.0	0.29	1
Ethyl ether	ND		ug/kg	11	0.58	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	11	0.88	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	101		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-05
Client ID: FB01_031815
Sample Location: 160 LEROY ST., NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/23/15 14:35
Analyst: MS

Date Collected: 03/18/15 01:30
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-05 Date Collected: 03/18/15 01:30

Client ID: FB01_031815 Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-05 Date Collected: 03/18/15 01:30

Client ID: FB01_031815 Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	101		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-06
Client ID: TB01_031815
Sample Location: 160 LEROY ST., NY, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/23/15 15:08
Analyst: MS

Date Collected: 03/18/15 00:00
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-06 Date Collected: 03/18/15 00:00

Client ID: TB01_031815 Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-06 Date Collected: 03/18/15 00:00

Client ID: TB01_031815 Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/15 12:24
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG770037-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/15 12:24
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG770037-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/15 12:24
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG770037-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/22/15 12:24
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG770037-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	93		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/15 10:42
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG770219-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/15 10:42
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG770219-3					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.63
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/15 10:42
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG770219-3					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/15 10:42
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG770219-3					
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.40

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/15 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG770304-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/15 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG770304-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/15 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG770304-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/23/15 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02 Batch: WG770304-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/24/15 05:50
Analyst: MM
TCLP Extraction Date: 03/23/15 13:03

Extraction Date: 03/23/15 13:03

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG770339-3					
Chloroform	ND		ug/l	7.5	1.6
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.70
1,1-Dichloroethene	ND		ug/l	5.0	1.4
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG770037-1 WG770037-2								
Methylene chloride	92		96		70-130	4		30
1,1-Dichloroethane	105		98		70-130	7		30
Chloroform	104		100		70-130	4		30
Carbon tetrachloride	93		80		70-130	15		30
1,2-Dichloropropane	105		103		70-130	2		30
Dibromochloromethane	86		86		70-130	0		30
2-Chloroethylvinyl ether	115		116		70-130	1		30
1,1,2-Trichloroethane	105		103		70-130	2		30
Tetrachloroethene	95		84		70-130	12		30
Chlorobenzene	97		94		70-130	3		30
Trichlorofluoromethane	111		88		70-139	23		30
1,2-Dichloroethane	110		108		70-130	2		30
1,1,1-Trichloroethane	105		93		70-130	12		30
Bromodichloromethane	103		99		70-130	4		30
trans-1,3-Dichloropropene	100		98		70-130	2		30
cis-1,3-Dichloropropene	104		102		70-130	2		30
1,1-Dichloropropene	104		91		70-130	13		30
Bromoform	74		76		70-130	3		30
1,1,2,2-Tetrachloroethane	96		100		70-130	4		30
Benzene	102		96		70-130	6		30
Toluene	97		97		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG770037-1 WG770037-2								
Ethylbenzene	94		89		70-130	5		30
Chloromethane	102		92		52-130	10		30
Bromomethane	100		93		57-147	7		30
Vinyl chloride	102		86		67-130	17		30
Chloroethane	119		106		50-151	12		30
1,1-Dichloroethene	100		85		65-135	16		30
trans-1,2-Dichloroethene	100		91		70-130	9		30
Trichloroethene	102		92		70-130	10		30
1,2-Dichlorobenzene	94		94		70-130	0		30
1,3-Dichlorobenzene	93		94		70-130	1		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	102		102		66-130	0		30
p/m-Xylene	90		85		70-130	6		30
o-Xylene	94		90		70-130	4		30
cis-1,2-Dichloroethene	102		99		70-130	3		30
Dibromomethane	104		104		70-130	0		30
Styrene	83		81		70-130	2		30
Dichlorodifluoromethane	139		113		30-146	21		30
Acetone	108		108		54-140	0		30
Carbon disulfide	92		80		59-130	14		30
2-Butanone	92		92		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG770037-1 WG770037-2								
Vinyl acetate	115		114		70-130	1		30
4-Methyl-2-pentanone	83		84		70-130	1		30
1,2,3-Trichloropropane	101		102		68-130	1		30
2-Hexanone	85		86		70-130	1		30
Bromochloromethane	104		101		70-130	3		30
2,2-Dichloropropane	108		96		70-130	12		30
1,2-Dibromoethane	97		101		70-130	4		30
1,3-Dichloropropane	101		101		69-130	0		30
1,1,1,2-Tetrachloroethane	99		96		70-130	3		30
Bromobenzene	93		91		70-130	2		30
n-Butylbenzene	102		95		70-130	7		30
sec-Butylbenzene	95		87		70-130	9		30
tert-Butylbenzene	93		86		70-130	8		30
o-Chlorotoluene	96		92		70-130	4		30
p-Chlorotoluene	98		96		70-130	2		30
1,2-Dibromo-3-chloropropane	79		80		68-130	1		30
Hexachlorobutadiene	82		74		67-130	10		30
Isopropylbenzene	93		87		70-130	7		30
p-Isopropyltoluene	93		86		70-130	8		30
Naphthalene	90		91		70-130	1		30
Acrylonitrile	101		99		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG770037-1 WG770037-2								
Diisopropyl Ether	102		100		66-130	2		30
Tert-Butyl Alcohol	97		98		70-130	1		30
n-Propylbenzene	98		91		70-130	7		30
1,2,3-Trichlorobenzene	94		93		70-130	1		30
1,2,4-Trichlorobenzene	94		93		70-130	1		30
1,3,5-Trimethylbenzene	96		92		70-130	4		30
1,2,4-Trimethylbenzene	96		93		70-130	3		30
Methyl Acetate	99		98		51-146	1		30
Ethyl Acetate	102		103		70-130	1		30
Acrolein	73		71		70-130	3		30
Cyclohexane	92		77		59-142	18		30
1,4-Dioxane	102		103		65-136	1		30
Freon-113	90		76		50-139	17		30
p-Diethylbenzene	94		87		70-130	8		30
p-Ethyltoluene	94		88		70-130	7		30
1,2,4,5-Tetramethylbenzene	90		87		70-130	3		30
Tetrahydrofuran	111		100		66-130	10		30
Ethyl ether	104		105		67-130	1		30
trans-1,4-Dichloro-2-butene	97		99		70-130	2		30
Methyl cyclohexane	87		74		70-130	16		30
Ethyl-Tert-Butyl-Ether	100		99		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG770037-1 WG770037-2								
Tertiary-Amyl Methyl Ether	98		96		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	102		100		70-130
4-Bromofluorobenzene	100		102		70-130
Dibromofluoromethane	103		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG770219-1 WG770219-2								
Methylene chloride	104		98		70-130	6		20
1,1-Dichloroethane	115		105		70-130	9		20
Chloroform	115		105		70-130	9		20
2-Chloroethylvinyl ether	97		100		70-130	3		20
Carbon tetrachloride	127		119		63-132	7		20
1,2-Dichloropropane	108		101		70-130	7		20
Dibromochloromethane	107		100		63-130	7		20
1,1,2-Trichloroethane	107		101		70-130	6		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	110		99		75-130	11		20
Trichlorofluoromethane	119		107		62-150	11		20
1,2-Dichloroethane	116		110		70-130	5		20
1,1,1-Trichloroethane	116		109		67-130	6		20
Bromodichloromethane	111		104		67-130	7		20
trans-1,3-Dichloropropene	112		106		70-130	6		20
cis-1,3-Dichloropropene	106		100		70-130	6		20
1,1-Dichloropropene	114		103		70-130	10		20
Bromoform	104		100		54-136	4		20
1,1,2,2-Tetrachloroethane	102		99		67-130	3		20
Benzene	110		102		70-130	8		20
Toluene	111		102		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG770219-1 WG770219-2								
Ethylbenzene	115		105		70-130	9		20
Chloromethane	**61**	Q	**50**	Q	64-130	20		20
Bromomethane	49		47		39-139	4		20
Vinyl chloride	110		102		55-140	8		20
Chloroethane	118		107		55-138	10		20
1,1-Dichloroethene	108		99		61-145	9		20
trans-1,2-Dichloroethene	107		96		70-130	11		20
Trichloroethene	110		99		70-130	11		20
1,2-Dichlorobenzene	105		99		70-130	6		20
1,3-Dichlorobenzene	107		98		70-130	9		20
1,4-Dichlorobenzene	105		99		70-130	6		20
Methyl tert butyl ether	99		94		63-130	5		20
p/m-Xylene	115		104		70-130	10		20
o-Xylene	115		105		70-130	9		20
cis-1,2-Dichloroethene	104		96		70-130	8		20
Dibromomethane	103		97		70-130	6		20
1,2,3-Trichloropropane	102		100		64-130	2		20
Acrylonitrile	106		103		70-130	3		20
Diisopropyl Ether	109		100		70-130	9		20
Tert-Butyl Alcohol	86		86		70-130	0		20
Styrene	113		104		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG770219-1 WG770219-2								
Dichlorodifluoromethane	90		82		36-147	9		20
Acetone	113		104		58-148	8		20
Carbon disulfide	101		89		51-130	13		20
2-Butanone	96		92		63-138	4		20
Vinyl acetate	103		100		70-130	3		20
4-Methyl-2-pentanone	97		95		59-130	2		20
2-Hexanone	107		101		57-130	6		20
Acrolein	87		84		40-160	4		20
Bromochloromethane	117		109		70-130	7		20
2,2-Dichloropropane	**134**	Q	127		63-133	5		20
1,2-Dibromoethane	104		99		70-130	5		20
1,3-Dichloropropane	108		102		70-130	6		20
1,1,1,2-Tetrachloroethane	117		108		64-130	8		20
Bromobenzene	106		99		70-130	7		20
n-Butylbenzene	119		106		53-136	12		20
sec-Butylbenzene	115		103		70-130	11		20
tert-Butylbenzene	114		104		70-130	9		20
o-Chlorotoluene	111		102		70-130	8		20
p-Chlorotoluene	112		103		70-130	8		20
1,2-Dibromo-3-chloropropane	100		101		41-144	1		20
Hexachlorobutadiene	106		94		63-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG770219-1 WG770219-2								
Isopropylbenzene	114		103		70-130	10		20
p-Isopropyltoluene	115		104		70-130	10		20
Naphthalene	99		97		70-130	2		20
n-Propylbenzene	115		105		69-130	9		20
1,2,3-Trichlorobenzene	100		97		70-130	3		20
1,2,4-Trichlorobenzene	103		97		70-130	6		20
1,3,5-Trimethylbenzene	114		103		64-130	10		20
1,2,4-Trimethylbenzene	113		105		70-130	7		20
Methyl Acetate	98		97		70-130	1		20
Ethyl Acetate	107		105		70-130	2		20
Cyclohexane	113		103		70-130	9		20
Ethyl-Tert-Butyl-Ether	108		101		70-130	7		20
Tertiary-Amyl Methyl Ether	95		91		66-130	4		20
1,4-Dioxane	106		104		56-162	2		20
Freon-113	110		99		70-130	11		20
p-Diethylbenzene	112		102		70-130	9		20
p-Ethyltoluene	114		105		70-130	8		20
1,2,4,5-Tetramethylbenzene	118		106		70-130	11		20
Ethyl ether	107		101		59-134	6		20
trans-1,4-Dichloro-2-butene	95		91		70-130	4		20
Iodomethane	**37**	Q	**32**	Q	70-130	14		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-06 Batch: WG770219-1 WG770219-2								
Methyl cyclohexane	113		100		70-130	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		111		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	103		105		70-130
Dibromofluoromethane	105		106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG770304-1 WG770304-2								
Methylene chloride	93		90		70-130	3		30
1,1-Dichloroethane	108		99		70-130	9		30
Chloroform	105		101		70-130	4		30
Carbon tetrachloride	94		80		70-130	16		30
1,2-Dichloropropane	106		102		70-130	4		30
Dibromochloromethane	84		84		70-130	0		30
2-Chloroethylvinyl ether	110		108		70-130	2		30
1,1,2-Trichloroethane	104		104		70-130	0		30
Tetrachloroethene	93		83		70-130	11		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	104		88		70-139	17		30
1,2-Dichloroethane	115		111		70-130	4		30
1,1,1-Trichloroethane	105		92		70-130	13		30
Bromodichloromethane	104		100		70-130	4		30
trans-1,3-Dichloropropene	97		97		70-130	0		30
cis-1,3-Dichloropropene	103		101		70-130	2		30
1,1-Dichloropropene	103		91		70-130	12		30
Bromoform	74		74		70-130	0		30
1,1,2,2-Tetrachloroethane	100		100		70-130	0		30
Benzene	102		96		70-130	6		30
Toluene	95		90		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG770304-1 WG770304-2								
Ethylbenzene	93		87		70-130	7		30
Chloromethane	108		97		52-130	11		30
Bromomethane	99		91		57-147	8		30
Vinyl chloride	99		85		67-130	15		30
Chloroethane	116		104		50-151	11		30
1,1-Dichloroethene	95		83		65-135	13		30
trans-1,2-Dichloroethene	96		88		70-130	9		30
Trichloroethene	102		94		70-130	8		30
1,2-Dichlorobenzene	92		91		70-130	1		30
1,3-Dichlorobenzene	92		90		70-130	2		30
1,4-Dichlorobenzene	92		89		70-130	3		30
Methyl tert butyl ether	101		101		66-130	0		30
p/m-Xylene	88		82		70-130	7		30
o-Xylene	92		88		70-130	4		30
cis-1,2-Dichloroethene	100		94		70-130	6		30
Dibromomethane	105		104		70-130	1		30
Styrene	81		78		70-130	4		30
Dichlorodifluoromethane	139		115		30-146	19		30
Acetone	115		109		54-140	5		30
Carbon disulfide	91		79		59-130	14		30
2-Butanone	101		96		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG770304-1 WG770304-2								
Vinyl acetate	120		118		70-130	2		30
4-Methyl-2-pentanone	80		84		70-130	5		30
1,2,3-Trichloropropane	104		102		68-130	2		30
2-Hexanone	82		84		70-130	2		30
Bromochloromethane	102		101		70-130	1		30
2,2-Dichloropropane	107		97		70-130	10		30
1,2-Dibromoethane	96		97		70-130	1		30
1,3-Dichloropropane	100		101		69-130	1		30
1,1,1,2-Tetrachloroethane	96		94		70-130	2		30
Bromobenzene	89		86		70-130	3		30
n-Butylbenzene	101		92		70-130	9		30
sec-Butylbenzene	92		84		70-130	9		30
tert-Butylbenzene	88		82		70-130	7		30
o-Chlorotoluene	96		91		70-130	5		30
p-Chlorotoluene	98		94		70-130	4		30
1,2-Dibromo-3-chloropropane	76		76		68-130	0		30
Hexachlorobutadiene	76		71		67-130	7		30
Isopropylbenzene	89		82		70-130	8		30
p-Isopropyltoluene	91		83		70-130	9		30
Naphthalene	87		88		70-130	1		30
Acrylonitrile	103		106		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG770304-1 WG770304-2								
Diisopropyl Ether	104		102		66-130	2		30
Tert-Butyl Alcohol	95		94		70-130	1		30
n-Propylbenzene	97		89		70-130	9		30
1,2,3-Trichlorobenzene	90		90		70-130	0		30
1,2,4-Trichlorobenzene	90		89		70-130	1		30
1,3,5-Trimethylbenzene	95		90		70-130	5		30
1,2,4-Trimethylbenzene	95		90		70-130	5		30
Methyl Acetate	101		101		51-146	0		30
Ethyl Acetate	104		103		70-130	1		30
Acrolein	74		70		70-130	6		30
Cyclohexane	92		78		59-142	16		30
1,4-Dioxane	97		99		65-136	2		30
Freon-113	88		76		50-139	15		30
p-Diethylbenzene	90		82		70-130	9		30
p-Ethyltoluene	92		86		70-130	7		30
1,2,4,5-Tetramethylbenzene	86		84		70-130	2		30
Tetrahydrofuran	129		115		66-130	11		30
Ethyl ether	104		103		67-130	1		30
trans-1,4-Dichloro-2-butene	102		103		70-130	1		30
Methyl cyclohexane	85		73		70-130	15		30
Ethyl-Tert-Butyl-Ether	99		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG770304-1 WG770304-2								
Tertiary-Amyl Methyl Ether	95		95		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		109		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	104		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG770339-1 WG770339-2								
Chloroform	117		118		70-130	1		20
Carbon tetrachloride	100		105		63-132	5		20
Tetrachloroethene	119		121		70-130	2		20
Chlorobenzene	119		121		75-130	2		25
1,2-Dichloroethane	118		117		70-130	1		20
Benzene	115		116		70-130	1		25
Vinyl chloride	105		104		55-140	1		20
1,1-Dichloroethene	114		116		61-145	2		25
Trichloroethene	114		115		70-130	1		25
1,4-Dichlorobenzene	118		118		70-130	0		20
2-Butanone	91		92		63-138	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	106		105		70-130

SEMIVOLATILES

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-03	Date Collected:	03/17/15 23:15
Client ID:	COMP-F_0-6'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8270D	Extraction Date:	03/24/15 17:44
Analytical Date:	03/25/15 11:06		
Analyst:	JB		
Percent Solids:	88%		
TCLP/SPLP Ext. Date:	03/20/15 16:50		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.0	1
2,4-Dinitrotoluene	ND		ug/l	25	5.2	1
Hexachlorobutadiene	ND		ug/l	10	2.1	1
Hexachloroethane	ND		ug/l	10	1.5	1
Nitrobenzene	ND		ug/l	10	2.0	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.9	1
Pentachlorophenol	ND		ug/l	50	16.	1
2-Methylphenol	ND		ug/l	25	3.5	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.7	1
Pyridine	ND		ug/l	25	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	95		15-120
2,4,6-Tribromophenol	106		10-120
4-Terphenyl-d14	106		33-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-03	Date Collected:	03/17/15 23:15
Client ID:	COMP-F_0-6'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/21/15 16:24
Analytical Date:	03/24/15 22:02		
Analyst:	PS		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	520		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	160	49.	1
Naphthalene	ND		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	160	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-03 Date Collected: 03/17/15 23:15

Client ID: COMP-F_0-6' Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	240		ug/kg	110	36.	1
Benzo(a)pyrene	240		ug/kg	150	45.	1
Benzo(b)fluoranthene	310		ug/kg	110	37.	1
Benzo(k)fluoranthene	130		ug/kg	110	35.	1
Chrysene	270		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	34.	1
Anthracene	71	J	ug/kg	110	31.	1
Benzo(ghi)perylene	170		ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	280		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	49	J	ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	140	J	ug/kg	150	41.	1
Pyrene	440		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	160	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	67.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-03 Date Collected: 03/17/15 23:15

Client ID: COMP-F_0-6' Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	67		18-120

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-04	Date Collected:	03/17/15 23:25
Client ID:	COMP-F_6-12'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	03/21/15 16:24
Analytical Date:	03/25/15 15:19		
Analyst:	PS		
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	81	J	ug/kg	180	45.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	72.	1
Hexachlorobenzene	ND		ug/kg	130	41.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	62.	1
2-Chloronaphthalene	ND		ug/kg	220	72.	1
1,2-Dichlorobenzene	ND		ug/kg	220	72.	1
1,3-Dichlorobenzene	ND		ug/kg	220	69.	1
1,4-Dichlorobenzene	ND		ug/kg	220	67.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	47.	1
2,6-Dinitrotoluene	ND		ug/kg	220	56.	1
Fluoranthene	460		ug/kg	130	40.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	67.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	50.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	77.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	66.	1
Hexachlorobutadiene	ND		ug/kg	220	62.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	140	1
Hexachloroethane	ND		ug/kg	180	40.	1
Isophorone	ND		ug/kg	200	58.	1
Naphthalene	640		ug/kg	220	73.	1
Nitrobenzene	ND		ug/kg	200	52.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	46.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	66.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	220	58.	1
Butyl benzyl phthalate	ND		ug/kg	220	43.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	54.	1
Diethyl phthalate	ND		ug/kg	220	46.	1
Dimethyl phthalate	ND		ug/kg	220	56.	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-04 Date Collected: 03/17/15 23:25

Client ID: COMP-F_6-12' Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	220		ug/kg	130	43.	1
Benzo(a)pyrene	210		ug/kg	180	54.	1
Benzo(b)fluoranthene	280		ug/kg	130	44.	1
Benzo(k)fluoranthene	81	J	ug/kg	130	42.	1
Chrysene	210		ug/kg	130	43.	1
Acenaphthylene	ND		ug/kg	180	41.	1
Anthracene	120	J	ug/kg	130	36.	1
Benzo(ghi)perylene	160	J	ug/kg	180	46.	1
Fluorene	ND		ug/kg	220	63.	1
Phenanthrene	510		ug/kg	130	43.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	42.	1
Indeno(1,2,3-cd)Pyrene	170	J	ug/kg	180	49.	1
Pyrene	390		ug/kg	130	43.	1
Biphenyl	ND		ug/kg	500	72.	1
4-Chloroaniline	ND		ug/kg	220	58.	1
2-Nitroaniline	ND		ug/kg	220	62.	1
3-Nitroaniline	ND		ug/kg	220	61.	1
4-Nitroaniline	ND		ug/kg	220	59.	1
Dibenzofuran	110	J	ug/kg	220	73.	1
2-Methylnaphthalene	150	J	ug/kg	260	70.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	68.	1
Acetophenone	ND		ug/kg	220	68.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
P-Chloro-M-Cresol	ND		ug/kg	220	64.	1
2-Chlorophenol	ND		ug/kg	220	66.	1
2,4-Dichlorophenol	ND		ug/kg	200	71.	1
2,4-Dimethylphenol	ND		ug/kg	220	66.	1
2-Nitrophenol	ND		ug/kg	470	69.	1
4-Nitrophenol	ND		ug/kg	310	71.	1
2,4-Dinitrophenol	ND		ug/kg	1000	300	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	80.	1
Pentachlorophenol	ND		ug/kg	180	47.	1
Phenol	ND		ug/kg	220	65.	1
2-Methylphenol	ND		ug/kg	220	71.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	72.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	71.	1
Benzoic Acid	ND		ug/kg	710	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	64	J	ug/kg	220	47.	1

Project Name: 160 LEROY **Lab Number:** L1505195

Project Number: 170215701 **Report Date:** 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-04 Date Collected: 03/17/15 23:25

Client ID: COMP-F_6-12' Date Received: 03/18/15

Sample Location: 160 LEROY ST., NY, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	81		18-120

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/24/15 20:39
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/21/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG769911-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/24/15 20:39
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/21/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG769911-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/24/15 20:39
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 03/21/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG769911-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	99		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	107		18-120

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 03/25/15 09:43
Analyst: JB
TCLP Extraction Date: 03/20/15 16:50

Extraction Method: EPA 3510C
Extraction Date: 03/24/15 17:44

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG770522-1					
Hexachlorobenzene	ND		ug/l	10	2.0
2,4-Dinitrotoluene	ND		ug/l	25	5.2
Hexachlorobutadiene	ND		ug/l	10	2.1
Hexachloroethane	ND		ug/l	10	1.5
Nitrobenzene	ND		ug/l	10	2.0
2,4,6-Trichlorophenol	ND		ug/l	25	3.9
Pentachlorophenol	ND		ug/l	50	16.
2-Methylphenol	ND		ug/l	25	3.5
3-Methylphenol/4-Methylphenol	ND		ug/l	25	3.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.7
Pyridine	ND		ug/l	25	1.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	92		33-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG769911-2 WG769911-3								
Acenaphthene	84		73		31-137	14		50
1,2,4-Trichlorobenzene	79		68		38-107	15		50
Hexachlorobenzene	86		73		40-140	16		50
Bis(2-chloroethyl)ether	79		69		40-140	14		50
2-Chloronaphthalene	83		72		40-140	14		50
1,2-Dichlorobenzene	77		66		40-140	15		50
1,3-Dichlorobenzene	76		67		40-140	13		50
1,4-Dichlorobenzene	76		66		28-104	14		50
3,3'-Dichlorobenzidine	59		51		40-140	15		50
2,4-Dinitrotoluene	**90**	Q	77		28-89	16		50
2,6-Dinitrotoluene	86		74		40-140	15		50
Fluoranthene	88		76		40-140	15		50
4-Chlorophenyl phenyl ether	83		72		40-140	14		50
4-Bromophenyl phenyl ether	88		74		40-140	17		50
Bis(2-chloroisopropyl)ether	79		68		40-140	15		50
Bis(2-chloroethoxy)methane	82		70		40-117	16		50
Hexachlorobutadiene	81		69		40-140	16		50
Hexachlorocyclopentadiene	98		86		40-140	13		50
Hexachloroethane	76		66		40-140	14		50
Isophorone	83		72		40-140	14		50
Naphthalene	81		70		40-140	15		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG769911-2 WG769911-3								
Nitrobenzene	80		69		40-140	15		50
NitrosoDiPhenylAmine(NDPA)/DPA	85		73		36-157	15		50
n-Nitrosodi-n-propylamine	82		69		32-121	17		50
Bis(2-Ethylhexyl)phthalate	99		84		40-140	16		50
Butyl benzyl phthalate	94		80		40-140	16		50
Di-n-butylphthalate	95		82		40-140	15		50
Di-n-octylphthalate	107		92		40-140	15		50
Diethyl phthalate	86		74		40-140	15		50
Dimethyl phthalate	85		74		40-140	14		50
Benzo(a)anthracene	86		74		40-140	15		50
Benzo(a)pyrene	91		78		40-140	15		50
Benzo(b)fluoranthene	91		81		40-140	12		50
Benzo(k)fluoranthene	82		69		40-140	17		50
Chrysene	84		72		40-140	15		50
Acenaphthylene	84		72		40-140	15		50
Anthracene	92		80		40-140	14		50
Benzo(ghi)perylene	85		73		40-140	15		50
Fluorene	84		73		40-140	14		50
Phenanthrene	82		71		40-140	14		50
Dibenzo(a,h)anthracene	89		76		40-140	16		50
Indeno(1,2,3-cd)Pyrene	87		75		40-140	15		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG769911-2 WG769911-3								
Pyrene	85		74		35-142	14		50
Biphenyl	102		89		54-104	14		50
4-Chloroaniline	46		42		40-140	9		50
2-Nitroaniline	91		80		47-134	13		50
3-Nitroaniline	54		46		26-129	16		50
4-Nitroaniline	83		72		41-125	14		50
Dibenzofuran	83		71		40-140	16		50
2-Methylnaphthalene	80		71		40-140	12		50
1,2,4,5-Tetrachlorobenzene	100		85		40-117	16		50
Acetophenone	83		72		14-144	14		50
2,4,6-Trichlorophenol	87		75		30-130	15		50
P-Chloro-M-Cresol	83		73		26-103	13		50
2-Chlorophenol	81		70		25-102	15		50
2,4-Dichlorophenol	85		73		30-130	15		50
2,4-Dimethylphenol	93		80		30-130	15		50
2-Nitrophenol	87		75		30-130	15		50
4-Nitrophenol	88		76		11-114	15		50
2,4-Dinitrophenol	82		72		4-130	13		50
4,6-Dinitro-o-cresol	82		72		10-130	13		50
Pentachlorophenol	85		78		17-109	9		50
Phenol	74		63		26-90	16		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG769911-2 WG769911-3								
2-Methylphenol	83		72		30-130.	14		50
3-Methylphenol/4-Methylphenol	83		71		30-130	16		50
2,4,5-Trichlorophenol	87		74		30-130	16		50
Benzoic Acid	54		46		10-66	16		50
Benzyl Alcohol	80		70		40-140	13		50
Carbazole	86		74		54-128	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		73		25-120
Phenol-d6	77		72		10-120
Nitrobenzene-d5	76		71		23-120
2-Fluorobiphenyl	80		76		30-120
2,4,6-Tribromophenol	92		84		10-136
4-Terphenyl-d14	84		79		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG770522-2 WG770522-3								
Hexachlorobenzene	79		84		40-140	6		30
2,4-Dinitrotoluene	91		96		24-96	5		30
Hexachlorobutadiene	69		70		40-140	1		30
Hexachloroethane	59		59		25-95	0		30
Nitrobenzene	56		57		40-140	2		30
2,4,6-Trichlorophenol	84		87		30-130	4		30
Pentachlorophenol	85		92		9-103	8		30
2-Methylphenol	69		70		30-130	1		30
3-Methylphenol/4-Methylphenol	69		72		30-130	4		30
2,4,5-Trichlorophenol	86		91		30-130	6		30
Pyridine	26		24		10-66	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		64		21-120
Phenol-d6	58		59		10-120
Nitrobenzene-d5	71		72		23-120
2-Fluorobiphenyl	81		84		15-120
2,4,6-Tribromophenol	87		92		10-120
4-Terphenyl-d14	85		88		33-120

PETROLEUM HYDROCARBONS

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-01	Date Collected:	03/17/15 23:00
Client ID:	SB-F3_1-2'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/23/15 10:41		
Analyst:	BS		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	2900	55.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	95		70-130

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-01 D	Date Collected:	03/17/15 23:00
Client ID:	SB-F3_1-2'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/21/15 00:55
Analytical Date:	03/21/15 19:19		
Analyst:	AR		
Percent Solids:	89%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	232000		ug/kg	178000	12200	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	83		40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-02	Date Collected:	03/17/15 21:15
Client ID:	SB-F1_11-12'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8015C(M)	Extraction Date:	03/21/15 00:55
Analytical Date:	03/21/15 16:32		
Analyst:	AR		
Percent Solids:	53%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbon Quantitation - Westborough Lab						
TPH	41500	J	ug/kg	61100	4170	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	75		40-140

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-02	Date Collected:	03/17/15 21:15
Client ID:	SB-F1_11-12'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	
Analytical Method:	1,8015C(M)		
Analytical Date:	03/23/15 12:37		
Analyst:	BS		
Percent Solids:	53%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	ND		ug/kg	6400	120	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	100		70-130

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 03/21/15 12:07
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 03/21/15 00:54

Parameter	Result	Qualifier	Units	RL	MDL
Petroleum Hydrocarbon Quantitation - Westborough Lab for sample(s): 01-02 Batch: WG769827-1					
TPH	3980	J	ug/kg	31400	2140

Surrogate	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	77		40-140

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015C(M)
Analytical Date: 03/23/15 10:02
Analyst: BS

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01-02 Batch: WG770425-3					
Gasoline Range Organics	ND		ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 Batch: WG769827-2								
TPH	67		-		40-140	-		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
o-Terphenyl	67				40-140

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02 Batch: WG770425-1 WG770425-2								
Gasoline Range Organics	84		92		80-120	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	105		106		70-130
4-Bromofluorobenzene	106		108		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG770425-5 QC Sample: L1505195-01 Client ID: SB-F3_1-2'												
Gasoline Range Organics	ND	23000	19000	83		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	102				70-130
4-Bromofluorobenzene	102				70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Petroleum Hydrocarbon Quantitation - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG769827-3 QC Sample: L1505018-01 Client ID: DUP Sample						
TPH	35200J	12600J	ug/kg	NC		40

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	80		78		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG770425-4 QC Sample: L1505195-01 Client ID: SB-F3_1-2'					
Gasoline Range Organics	ND	ND	ug/kg	NC	20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		99		70-130
4-Bromofluorobenzene	95		96		70-130

PCBS

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-03	Date Collected:	03/17/15 23:15
Client ID:	COMP-F_0-6'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/21/15 21:37
Analytical Date:	03/22/15 20:53	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/22/15
Percent Solids:	88%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	2.86	1	A
Aroclor 1221	ND		ug/kg	36.3	3.34	1	A
Aroclor 1232	ND		ug/kg	36.3	4.25	1	A
Aroclor 1242	ND		ug/kg	36.3	4.44	1	A
Aroclor 1248	ND		ug/kg	36.3	3.06	1	A
Aroclor 1254	ND		ug/kg	36.3	2.98	1	A
Aroclor 1260	ND		ug/kg	36.3	2.76	1	A
Aroclor 1262	ND		ug/kg	36.3	1.80	1	A
Aroclor 1268	ND		ug/kg	36.3	5.26	1	A
PCBs, Total	ND		ug/kg	36.3	1.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-04	Date Collected:	03/17/15 23:25
Client ID:	COMP-F_6-12'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	03/21/15 21:37
Analytical Date:	03/22/15 21:07	Cleanup Method:	EPA 3665A
Analyst:	JW	Cleanup Date:	03/22/15
Percent Solids:	74%	Cleanup Method:	EPA 3660B
		Cleanup Date:	03/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.5	3.43	1	A
Aroclor 1221	ND		ug/kg	43.5	4.01	1	A
Aroclor 1232	ND		ug/kg	43.5	5.10	1	A
Aroclor 1242	ND		ug/kg	43.5	5.32	1	A
Aroclor 1248	ND		ug/kg	43.5	3.67	1	A
Aroclor 1254	ND		ug/kg	43.5	3.57	1	A
Aroclor 1260	ND		ug/kg	43.5	3.31	1	A
Aroclor 1262	ND		ug/kg	43.5	2.16	1	A
Aroclor 1268	ND		ug/kg	43.5	6.30	1	A
PCBs, Total	ND		ug/kg	43.5	2.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 160 LEROY

Project Number: 170215701

Lab Number: L1505195

Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/22/15 22:44
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 03/21/15 21:37
Cleanup Method: EPA 3665A
Cleanup Date: 03/22/15
Cleanup Method: EPA 3660B
Cleanup Date: 03/22/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03-04 Batch: WG769930-1						
Aroclor 1016	ND		ug/kg	32.1	2.54	A
Aroclor 1221	ND		ug/kg	32.1	2.96	A
Aroclor 1232	ND		ug/kg	32.1	3.77	A
Aroclor 1242	ND		ug/kg	32.1	3.93	A
Aroclor 1248	ND		ug/kg	32.1	2.71	A
Aroclor 1254	ND		ug/kg	32.1	2.64	A
Aroclor 1260	ND		ug/kg	32.1	2.45	A
Aroclor 1262	ND		ug/kg	32.1	1.59	A
Aroclor 1268	ND		ug/kg	32.1	4.66	A
PCBs, Total	ND		ug/kg	32.1	1.59	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	63		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG769930-2 WG769930-3									
Aroclor 1016	72		48		40-140	40		50	A
Aroclor 1260	68		43		40-140	45		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		40		30-150	A
Decachlorobiphenyl	65		41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		42		30-150	B
Decachlorobiphenyl	60		38		30-150	B

PESTICIDES

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-03	Date Collected:	03/17/15 23:15
Client ID:	COMP-F_0-6'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	03/24/15 17:49
Analytical Date:	03/25/15 01:02	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	03/24/15
Percent Solids:	88%		
TCLP/SPLP Ext. Date:	03/20/15 14:50		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-03	Date Collected:	03/17/15 23:15
Client ID:	COMP-F_0-6'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/21/15 12:13
Analytical Date:	03/24/15 00:47	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	03/23/15
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1	A
Endrin	ND		ug/kg	0.721	0.295	1	A
Endrin ketone	ND		ug/kg	1.73	0.445	1	A
Dieldrin	ND		ug/kg	1.08	0.540	1	A
4,4'-DDE	3.33		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	5.13		ug/kg	3.24	1.39	1	B
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	ND		ug/kg	2.16	0.602	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.0	5.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-03	Date Collected:	03/17/15 23:15
Client ID:	COMP-F_0-6'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/23/15 10:56
Analytical Date:	03/24/15 10:51		
Analyst:	SS		
Percent Solids:	88%		
TCLP/SPLP Ext. Date:	03/20/15 16:50		
Methylation Date:	03/24/15 01:33		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	60		30-150	A
DCAA	51		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-03	Date Collected:	03/17/15 23:15
Client ID:	COMP-F_0-6'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/24/15 16:53
Analytical Date:	03/25/15 18:51		
Analyst:	SS		
Percent Solids:	88%		
Methylation Date:	03/25/15 13:12		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	22.5	1	B
2,4,5-T	ND		ug/kg	185	11.5	1	B
2,4,5-TP (Silvex)	ND		ug/kg	185	10.2	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	41		30-150	A
DCAA	30		30-150	B

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-04	Date Collected:	03/17/15 23:25
Client ID:	COMP-F_6-12'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	03/21/15 12:13
Analytical Date:	03/24/15 01:00	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	03/23/15
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.12	0.415	1	A
Lindane	ND		ug/kg	0.884	0.395	1	A
Alpha-BHC	ND		ug/kg	0.884	0.251	1	A
Beta-BHC	ND		ug/kg	2.12	0.804	1	A
Heptachlor	ND		ug/kg	1.06	0.475	1	A
Aldrin	ND		ug/kg	2.12	0.747	1	A
Heptachlor epoxide	ND		ug/kg	3.98	1.19	1	A
Endrin	ND		ug/kg	0.884	0.362	1	A
Endrin ketone	ND		ug/kg	2.12	0.546	1	A
Dieldrin	ND		ug/kg	1.32	0.663	1	A
4,4'-DDE	2.84		ug/kg	2.12	0.490	1	B
4,4'-DDD	ND		ug/kg	2.12	0.756	1	A
4,4'-DDT	6.11		ug/kg	3.98	1.70	1	B
Endosulfan I	ND		ug/kg	2.12	0.501	1	A
Endosulfan II	ND		ug/kg	2.12	0.709	1	A
Endosulfan sulfate	ND		ug/kg	0.884	0.421	1	A
Methoxychlor	ND		ug/kg	3.98	1.24	1	A
Toxaphene	ND		ug/kg	39.8	11.1	1	A
cis-Chlordane	ND		ug/kg	2.65	0.739	1	A
trans-Chlordane	ND		ug/kg	2.65	0.700	1	A
Chlordane	ND		ug/kg	17.2	7.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**181**	Q	30-150	A
Decachlorobiphenyl	47		30-150	A

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-04	Date Collected:	03/17/15 23:25
Client ID:	COMP-F_6-12'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	03/24/15 16:53
Analytical Date:	03/25/15 19:30		
Analyst:	SS		
Percent Solids:	74%		
Methylation Date:	03/25/15 13:12		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	222	27.0	1	B
2,4,5-T	ND		ug/kg	222	13.8	1	B
2,4,5-TP (Silvex)	ND		ug/kg	222	12.2	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	44		30-150	A
DCAA	32		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/23/15 22:35
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 03/21/15 12:13
Cleanup Method: EPA 3620B
Cleanup Date: 03/23/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03-04 Batch: WG769882-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.633	0.283	A
Alpha-BHC	ND		ug/kg	0.633	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.576	A
Heptachlor	ND		ug/kg	0.760	0.341	A
Aldrin	ND		ug/kg	1.52	0.535	A
Heptachlor epoxide	ND		ug/kg	2.85	0.855	A
Endrin	ND		ug/kg	0.633	0.260	A
Endrin ketone	ND		ug/kg	1.52	0.391	A
Dieldrin	ND		ug/kg	0.950	0.475	A
4,4'-DDE	ND		ug/kg	1.52	0.351	A
4,4'-DDD	ND		ug/kg	1.52	0.542	A
4,4'-DDT	ND		ug/kg	2.85	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.359	A
Endosulfan II	ND		ug/kg	1.52	0.508	A
Endosulfan sulfate	ND		ug/kg	0.633	0.301	A
Methoxychlor	ND		ug/kg	2.85	0.887	A
Toxaphene	ND		ug/kg	28.5	7.98	A
cis-Chlordane	ND		ug/kg	1.90	0.529	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.3	5.03	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	84		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/24/15 09:06
Analyst: SS
TCLP Extraction Date: 03/20/15 16:50
Methylation Date: 03/24/15 01:33

Extraction Method: EPA 8151A
Extraction Date: 03/23/15 10:56

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG770096-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	55		30-150	A
DCAA	52		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 03/25/15 15:55
Analyst: SS

Extraction Method: EPA 8151A
Extraction Date: 03/24/15 16:53

Methylation Date: 03/25/15 13:12

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03-04 Batch: WG770502-1						
2,4-D	ND		ug/kg	163	19.8	B
2,4,5-T	ND		ug/kg	163	10.2	B
2,4,5-TP (Silvex)	ND		ug/kg	163	8.99	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	64		30-150	A
DCAA	55		30-150	B

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/25/15 00:10
Analyst: GP
TCLP Extraction Date: 03/20/15 14:50

Extraction Method: EPA 3510C
Extraction Date: 03/24/15 17:49
Cleanup Method: EPA 3620B
Cleanup Date: 03/24/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG770526-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	111		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG769882-2 WG769882-3									
Delta-BHC	79		77		30-150	3		30	A
Lindane	85		83		30-150	2		30	A
Alpha-BHC	89		90		30-150	1		30	A
Beta-BHC	80		148		30-150	**60**	Q	30	A
Heptachlor	95		94		30-150	1		30	A
Aldrin	91		90		30-150	1		30	A
Heptachlor epoxide	84		82		30-150	2		30	A
Endrin	94		91		30-150	3		30	A
Endrin ketone	77		73		30-150	5		30	A
Dieldrin	92		91		30-150	1		30	A
4,4'-DDE	98		95		30-150	3		30	A
4,4'-DDD	99		95		30-150	4		30	A
4,4'-DDT	96		93		30-150	3		30	A
Endosulfan I	85		85		30-150	0		30	A
Endosulfan II	85		84		30-150	1		30	A
Endosulfan sulfate	72		68		30-150	6		30	A
Methoxychlor	99		97		30-150	2		30	A
cis-Chlordane	85		83		30-150	2		30	A
trans-Chlordane	101		106		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 160 LEROY

Project Number: 170215701

Lab Number: L1505195

Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG769882-2 WG769882-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		75		30-150	B
Decachlorobiphenyl	78		81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		76		30-150	A
Decachlorobiphenyl	72		67		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG770096-2 WG770096-3									
2,4-D	110		103		30-150	7		25	A
2,4,5-TP (Silvex)	57		54		30-150	5		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	64		60		30-150	A
DCAA	49		47		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03-04 Batch: WG770502-2 WG770502-3									
2,4-D	31		36		30-150	15		30	B
2,4,5-T	35		43		30-150	21		30	B
2,4,5-TP (Silvex)	31		38		30-150	20		30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	**18**	Q	**18**	Q	30-150	A
DCAA	**20**	Q	**24**	Q	30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG770526-2 WG770526-3									
Lindane	88		123		30-150	**34**	Q	20	A
Heptachlor	100		138		30-150	**32**	Q	20	A
Heptachlor epoxide	88		124		30-150	**34**	Q	20	A
Endrin	97		142		30-150	**38**	Q	20	A
Methoxychlor	112		**152**	Q	30-150	**30**	Q	20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		87		30-150	A
Decachlorobiphenyl	63		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		94		30-150	B
Decachlorobiphenyl	91		110		30-150	B

METALS

Project Name:	160 LEROY	**Lab Number:**	L1505195
Project Number:	170215701	**Report Date:**	03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-03	Date Collected:	03/17/15 23:15
Client ID:	COMP-F_0-6'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil	TCLP/SPLP Ext. Date:	03/20/15 16:50
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	03/24/15 11:19	03/24/15 17:57	EPA 3015	1,6010C	MG
Barium, TCLP	0.21	J	mg/l	0.50	0.03	1	03/24/15 11:19	03/24/15 17:57	EPA 3015	1,6010C	MG
Cadmium, TCLP	0.01	J	mg/l	0.10	0.01	1	03/24/15 11:19	03/24/15 17:57	EPA 3015	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	03/24/15 11:19	03/24/15 17:57	EPA 3015	1,6010C	MG
Lead, TCLP	5.6		mg/l	0.50	0.02	1	03/24/15 11:19	03/24/15 17:57	EPA 3015	1,6010C	MG
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/23/15 13:23	03/23/15 19:56	EPA 7470A	1,7470A	AB
Selenium, TCLP	ND		mg/l	0.50	0.03	1	03/24/15 11:19	03/24/15 17:57	EPA 3015	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	03/24/15 11:19	03/24/15 17:57	EPA 3015	1,6010C	MG

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-03
Client ID: COMP-F_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 03/17/15 23:15
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2800		mg/kg	8.5	1.7	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Antimony, Total	0.82	J	mg/kg	4.2	0.68	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Arsenic, Total	9.4		mg/kg	0.85	0.17	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Barium, Total	330		mg/kg	0.85	0.25	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Beryllium, Total	0.19	J	mg/kg	0.42	0.09	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Cadmium, Total	0.58	J	mg/kg	0.85	0.06	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Calcium, Total	43000		mg/kg	8.5	2.5	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Chromium, Total	13		mg/kg	0.85	0.17	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Cobalt, Total	3.8		mg/kg	1.7	0.42	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Copper, Total	24		mg/kg	0.85	0.17	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Iron, Total	8400		mg/kg	4.2	1.7	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Lead, Total	2600		mg/kg	4.2	0.17	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Magnesium, Total	2000		mg/kg	8.5	0.85	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Manganese, Total	190		mg/kg	0.85	0.17	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Mercury, Total	0.96		mg/kg	0.08	0.02	1	03/19/15 07:04	03/19/15 15:05	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.1	0.34	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Potassium, Total	820		mg/kg	210	34.	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Selenium, Total	0.34	J	mg/kg	1.7	0.25	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.85	0.17	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Sodium, Total	400		mg/kg	170	25.	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.7	0.34	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Vanadium, Total	12		mg/kg	0.85	0.09	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG
Zinc, Total	570		mg/kg	4.2	0.59	2	03/19/15 10:44	03/20/15 14:56	EPA 3050B	1,6010C	MG

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-04
Client ID: COMP-F_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil
Percent Solids: 74%

Date Collected: 03/17/15 23:25
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	6800		mg/kg	10	2.0	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	5.1	0.82	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Arsenic, Total	9.4		mg/kg	1.0	0.20	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Barium, Total	130		mg/kg	1.0	0.31	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Beryllium, Total	0.39	J	mg/kg	0.51	0.10	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	1.0	0.07	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Calcium, Total	18000		mg/kg	10	3.1	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	1.0	0.20	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Cobalt, Total	5.6		mg/kg	2.0	0.51	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Copper, Total	45		mg/kg	1.0	0.20	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Iron, Total	13000		mg/kg	5.1	2.0	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Lead, Total	310		mg/kg	5.1	0.20	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Magnesium, Total	3700		mg/kg	10	1.0	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Manganese, Total	440		mg/kg	1.0	0.20	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Mercury, Total	0.23		mg/kg	0.09	0.02	1	03/19/15 07:04	03/19/15 15:11	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.6	0.41	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Potassium, Total	1200		mg/kg	260	41.	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	2.0	0.31	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	1.0	0.20	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Sodium, Total	470		mg/kg	200	31.	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.0	0.41	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Vanadium, Total	19		mg/kg	1.0	0.10	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG
Zinc, Total	91		mg/kg	5.1	0.72	2	03/19/15 10:44	03/20/15 15:00	EPA 3050B	1,6010C	MG

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG769268-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/19/15 07:04	03/19/15 14:24	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03-04 Batch: WG769325-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Calcium, Total	ND		mg/kg	4.0	1.2	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Copper, Total	ND		mg/kg	0.40	0.08	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Iron, Total	1.7	J	mg/kg	2.0	0.80	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Selenium, Total	ND		mg/kg	0.80	0.12	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	03/19/15 10:44	03/20/15 12:07	1,6010C	MG

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG770116-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	03/23/15 13:23	03/23/15 19:43	1,7470A	AB

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 03/20/15 16:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 03 Batch: WG770290-1										
Arsenic, TCLP	ND		mg/l	1.0	0.02	1	03/24/15 11:19	03/24/15 16:27	1,6010C	MG
Barium, TCLP	ND		mg/l	0.50	0.03	1	03/24/15 11:19	03/24/15 16:27	1,6010C	MG
Cadmium, TCLP	ND		mg/l	0.10	0.01	1	03/24/15 11:19	03/24/15 16:27	1,6010C	MG
Chromium, TCLP	ND		mg/l	0.20	0.02	1	03/24/15 11:19	03/24/15 16:27	1,6010C	MG
Lead, TCLP	ND		mg/l	0.50	0.02	1	03/24/15 11:19	03/24/15 16:27	1,6010C	MG
Selenium, TCLP	ND		mg/l	0.50	0.03	1	03/24/15 11:19	03/24/15 16:27	1,6010C	MG
Silver, TCLP	ND		mg/l	0.10	0.02	1	03/24/15 11:19	03/24/15 16:27	1,6010C	MG

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 03/20/15 16:50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG769268-2 SRM Lot Number: D083-540								
Mercury, Total	123		-		75-126	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG769325-2 SRM Lot Number: D083-540					
Aluminum, Total	79	-	51-148	-	
Antimony, Total	172	-	1-210	-	
Arsenic, Total	98	-	78-122	-	
Barium, Total	96	-	82-117	-	
Beryllium, Total	98	-	82-118	-	
Cadmium, Total	95	-	82-118	-	
Calcium, Total	86	-	82-118	-	
Chromium, Total	98	-	79-121	-	
Cobalt, Total	98	-	83-117	-	
Copper, Total	100	-	80-120	-	
Iron, Total	93	-	47-153	-	
Lead, Total	91	-	81-119	-	
Magnesium, Total	86	-	75-124	-	
Manganese, Total	97	-	81-119	-	
Nickel, Total	96	-	82-118	-	
Potassium, Total	88	-	70-130	-	
Selenium, Total	96	-	78-123	-	
Silver, Total	94	-	74-125	-	
Sodium, Total	81	-	70-130	-	
Thallium, Total	95	-	78-122	-	
Vanadium, Total	100	-	65-135	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 Batch: WG769325-2 SRM Lot Number: D083-540					
Zinc, Total	97	-	80-121	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG770116-2					
Mercury, TCLP	117	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 Batch: WG770290-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	102	-	75-125	-	20
Chromium, TCLP	95	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	100	-	75-125	-	20
Silver, TCLP	96	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769268-4 QC Sample: L1505113-01 Client ID: MS Sample												
Mercury, Total	0.14	0.16	0.32	112		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769325-4 QC Sample: L1505212-01 Client ID: MS Sample										
Aluminum, Total	8300	168	6800	**0**	Q	-	-	75-125	-	20
Antimony, Total	ND	41.9	34	81		-	-	75-125	-	20
Arsenic, Total	18.	10	25	**70**	Q	-	-	75-125	-	20
Barium, Total	46.	168	190	86		-	-	75-125	-	20
Beryllium, Total	0.35J	4.19	4.1	98		-	-	75-125	-	20
Cadmium, Total	ND	4.27	3.2	75		-	-	75-125	-	20
Calcium, Total	3000	838	3500	**60**	Q	-	-	75-125	-	20
Chromium, Total	38.	16.8	50	**72**	Q	-	-	75-125	-	20
Cobalt, Total	12.	41.9	48	86		-	-	75-125	-	20
Copper, Total	120	20.9	140	95		-	-	75-125	-	20
Iron, Total	45000	83.8	42000	**0**	Q	-	-	75-125	-	20
Lead, Total	39.	42.7	74	82		-	-	75-125	-	20
Magnesium, Total	2900	838	3600	84		-	-	75-125	-	20
Manganese, Total	520	41.9	560	95		-	-	75-125	-	20
Nickel, Total	35.	41.9	69	81		-	-	75-125	-	20
Potassium, Total	770	838	1400	75		-	-	75-125	-	20
Selenium, Total	ND	10	7.4	**74**	Q	-	-	75-125	-	20
Silver, Total	ND	25.1	20	80		-	-	75-125	-	20
Sodium, Total	340	838	1200	103		-	-	75-125	-	20
Thallium, Total	ND	10	7.1	**71**	Q	-	-	75-125	-	20
Vanadium, Total	36.	41.9	71	84		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769325-4 QC Sample: L1505212-01 Client ID: MS Sample									
Zinc, Total	81.	41.9	120	93	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 QC Batch ID: WG770116-4 QC Sample: L1505228-01 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0264	106	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 QC Batch ID: WG770290-4 QC Sample: L1505228-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.2	100	-	-	75-125	-	20
Barium, TCLP	0.45J	20	19	95	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.51	100	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.8	90	-	-	75-125	-	20
Lead, TCLP	0.42J	5.1	5.2	102	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.2	100	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.47	94	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769268-3 QC Sample: L1505113-01 Client ID: DUP Sample						
Mercury, Total	0.14	0.06J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769325-3 QC Sample: L1505212-01 Client ID: DUP Sample						
Aluminum, Total	8300	6700	mg/kg	**21**	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	18.	21	mg/kg	15		20
Barium, Total	46.	48	mg/kg	4		20
Beryllium, Total	0.35J	0.35J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	3000	3100	mg/kg	3		20
Chromium, Total	38.	36	mg/kg	5		20
Cobalt, Total	12.	12	mg/kg	0		20
Copper, Total	120	130	mg/kg	8		20
Iron, Total	45000	46000	mg/kg	2		20
Lead, Total	39.	52	mg/kg	**29**	Q	20
Magnesium, Total	2900	3300	mg/kg	13		20
Manganese, Total	520	520	mg/kg	0		20
Nickel, Total	35.	44	mg/kg	**23**	Q	20
Potassium, Total	770	770	mg/kg	0		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	340	420	mg/kg	**21**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769325-3 QC Sample: L1505212-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	36.	34	mg/kg	6		20
Zinc, Total	81.	200	mg/kg	**85**	Q	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 QC Batch ID: WG770116-3 QC Sample: L1505228-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 03 QC Batch ID: WG770290-3 QC Sample: L1505228-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.45J	0.44J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	0.02J	mg/l	NC		20
Lead, TCLP	0.42J	0.41J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name:	160 LEROY	**Lab Number:**	L1505195
Project Number:	170215701	**Report Date:**	03/26/15

SAMPLE RESULTS

Lab ID:	L1505195-03	Date Collected:	03/17/15 23:15
Client ID:	COMP-F_0-6'	Date Received:	03/18/15
Sample Location:	160 LEROY ST., NY, NY	Field Prep:	Not Specified
Matrix:	Soil		

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	03/20/15 21:37	1,1030	TL

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-01
Client ID: SB-F3_1-2'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/17/15 23:00
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	03/19/15 11:21	30,2540G	SG

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-02
Client ID: SB-F1_11-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/17/15 21:15
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	53.2		%	0.100	NA	1	-	03/19/15 11:21	30,2540G	SG

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-03
Client ID: COMP-F_0-6'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/17/15 23:15
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.91	0.91	1	-	03/23/15 13:43	107,-	
Solids, Total	88.1		%	0.100	NA	1	-	03/19/15 11:21	30,2540G	SG
Cyanide, Total	1.1	J	mg/kg	1.1	0.26	1	03/20/15 08:57	03/23/15 11:04	1,9010C/9012B	ML
pH (H)	9.4		SU	-	NA	1	-	03/19/15 03:27	1,9045D	LH
Chromium, Hexavalent	1.6		mg/kg	0.91	0.18	1	03/23/15 08:50	03/23/15 13:43	1,7196A	MD
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/20/15 18:20	03/20/15 20:28	1,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/20/15 18:20	03/20/15 20:21	1,7.3	TL

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

SAMPLE RESULTS

Lab ID: L1505195-04
Client ID: COMP-F_6-12'
Sample Location: 160 LEROY ST., NY, NY
Matrix: Soil

Date Collected: 03/17/15 23:25
Date Received: 03/18/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	1.1	1.1	1	-	03/23/15 13:44	107,-	
Solids, Total	74.0		%	0.100	NA	1	-	03/19/15 11:21	30,2540G	SG
Cyanide, Total	ND		mg/kg	1.3	0.31	1	03/20/15 08:57	03/23/15 11:05	1,9010C/9012B	ML
Chromium, Hexavalent	ND		mg/kg	1.1	0.22	1	03/23/15 08:50	03/23/15 13:44	1,7196A	MD

Project Name: 160 LEROY
Project Number: 170215701
Lab Number: L1505195
Report Date: 03/26/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG769602-1										
Cyanide, Total	ND		mg/kg	0.92	0.22	1	03/20/15 08:57	03/23/15 11:00	1,9010C/9012B	ML
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG769769-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	03/20/15 18:20	03/20/15 20:26	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG769770-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	03/20/15 18:20	03/20/15 20:19	1,7.3	TL
General Chemistry - Westborough Lab for sample(s): 03-04 Batch: WG770045-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	03/23/15 08:50	03/23/15 13:36	1,7196A	MD

Lab Control Sample Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG769256-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG769602-2 WG769602-3								
Cyanide, Total	109		104		80-120	1		35
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG769769-2								
Cyanide, Reactive	38		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG769770-2								
Sulfide, Reactive	88		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 03-04 Batch: WG770045-2								
Chromium, Hexavalent	94		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG769602-4 WG769602-5 QC Sample: L1505374-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	98		10	89		65-135	10		35
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG770045-5 WG770045-6 QC Sample: L1505189-02 Client ID: MS Sample												
Chromium, Hexavalent	0.29J	1510	1600	110		1200	100		75-125	**29**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG769256-2 QC Sample: L1505009-11 Client ID: DUP Sample						
pH	7.9	8.1	SU	2		5
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG769382-1 QC Sample: L1505195-01 Client ID: SB-F3_1-2'						
Solids, Total	88.7	88.7	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG769769-3 QC Sample: L1505182-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG769770-3 QC Sample: L1505182-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 03-04 QC Batch ID: WG770045-4 QC Sample: L1505189-02 Client ID: DUP Sample						
Chromium, Hexavalent	0.29J	0.29J	mg/kg	NC		20

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 03/19/2015 02:00

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1505195-01A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1505195-01B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1505195-01C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1505195-01D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1505195-01E	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TCLP-EXT-ZHE(14)
L1505195-01F	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1505195-01F9	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1505195-01G	Glass 60mL/2oz unpreserved	A	N/A	3.5	Y	Absent	TPH-DRO-D(14)
L1505195-01U	Vial unpreserved split	A	N/A	3.5	Y	Absent	TCLP-VOA(14)
L1505195-01V	Vial unpreserved split	A	N/A	3.5	Y	Absent	TCLP-VOA(14)
L1505195-01X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1505195-01Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1505195-01Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1505195-02A	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1505195-02B	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1505195-02C	5 gram Encore Sampler	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(2)
L1505195-02D	Plastic 2oz unpreserved for TS	A	N/A	3.5	Y	Absent	TS(7)
L1505195-02E	Vial Large Septa unpreserved	A	N/A	3.5	Y	Absent	TPH-GRO(14),TPH-DRO-D(14)
L1505195-02E9	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	TPH-GRO(14)
L1505195-02X	Vial MeOH preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1505195-02Y	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)
L1505195-02Z	Vial Water preserved split	A	N/A	3.5	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1505195-03A	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1505195-03B	Glass 250ml/8oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1505195-03C	Glass 500ml/16oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),PH-9045(1),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),REACTCN(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1505195-03Q	Amber 1000ml unpreserved split	A	N/A	3.5	Y	Absent	TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1505195-03X	Plastic 120ml HNO3 preserved spl	A	<2	3.5	Y	Absent	CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)

*Values in parentheses indicate holding time in days

Project Name: 160 LEROY
Project Number: 170215701

Lab Number: L1505195
Report Date: 03/26/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1505195-03X9	Tumble Vessel	A	N/A	3.5	Y	Absent	-
L1505195-04A	Glass 500ml/16oz unpreserved	A	N/A	3.5	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1505195-05A	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1505195-05B	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1505195-05C	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)
L1505195-06A	Vial HCl preserved	A	N/A	3.5	Y	Absent	NYTCL-8260(14)

Container Comments

L1505195-03Q

*Values in parentheses indicate holding time in days

Project Name:	160 LEROY	**Lab Number:**	L1505195
Project Number:	170215701	**Report Date:**	03/26/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers

Project Name:	160 LEROY	**Lab Number:**	L1505195
Project Number:	170215701	**Report Date:**	03/26/15

Data Qualifiers

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: 160 LEROY **Lab Number:** L1505195
Project Number: 170215701 **Report Date:** 03/26/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

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Last revised December 16, 2014

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EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

M□□□□□□d F□□□□□□
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500C□-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
M□□r□□□□□□□□□: SM9215B□SM9223-P□A, SM9223B-C□□□□r□-QT, E□□□r□□□r□-QT.

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600□4-81-045**: PCB-Oil.
M□□r□□□□□□□□□: SM9223B-C□□□□□r□-QT□E□□□r□□□r□-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite S
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 3/18/15

ALPHA Job #: L1505195

Client Information
Client: LANGAN
Address: 360 W 31ST ST, 8TH FLOOR
NY NY 10001
Phone: 212-479-5400
Fax: 212-479-5444
Email: gnicholls@langan.com, gwyka@langan.com, pfarnham@langan.com

Project Information
Project Name: 160 LEROY
Project Location: 160 LEROY ST, NY NY
Project #: 170215701
(Use Project name as Project #) ☐
Project Manager: GERALD NICHOLLS
ALPHAQuote #: 2015215

Turn-Around Time
Standard ☒ Due Date: 3/25/15
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other STD. + EXCEL/PDF

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☒ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TPH DRO/GRO	TCLP VOC	TCL SVOCs, PCBs, Pest, Herb, TAL Metals	Cyanide, Hex+Tri Cr	Full TCLP (No VOC)	Ignit/Reach (Cyt, Sulfide, Corros)		TCL VOC	Sample Specific Comments	Total Bottle
	~~SB-~~	~~3/17/15~~													
	~~SB-~~														
	~~COMP E~~														
	~~COMP E~~														
05/95 1101	SB-F3_1-2'	3/17/15	2300	S	PTF	X	X						X	2x40z glass, 3xencore 1x3oz plas, 1x20z glass	7
102	SB-F2_11-12'	3/17/15	2115	S	PTF	X							X	1x4oz glass, 2oz plastic, 3xencores	5
103	COMP-F_0-6'	3/17/15	2315	S	PTF			X	X	X	X			1x16oz 2x8oz	3
104	COMP-F_6-12'	3/17/15	2325	S	PTF			X	X					1x16oz	
105	FB01_031815	3/18/15	0130	W	PTF								X	3x40mL VOAs	3
106	TB01_~~031815~~ 031815	—	—	W	PTF								X	1x40mL VOA	1

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
PTF	3/18/15 1700	[illegible]	3/18/15 1700
[illegible]	3/18/15 1900	[illegible]	3-18-15 1900
[illegible]	3-18-15 2230	[illegible]	3/18/15 2230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Appendix F

Manufacturer's Specifications for
Waterproofing & Vapor Barrier Membrane

PREPRUFE® 300R & 160R

Pre-applied waterproofing membranes that bond integrally to poured concrete for use below slabs or behind basement walls on confined sites

Description

Preprufe® 300R & 160R membranes are unique composite sheets comprised of a thick HDPE film, pressure sensitive adhesive and weather resistant protective coating. Designed with Advanced Bond Technology™, Preprufe 300R & 160R membranes form a unique, integral bond to poured concrete, preventing both the ingress and lateral migration of water while providing a robust barrier to water, moisture and gas.

The Preprufe R System includes:

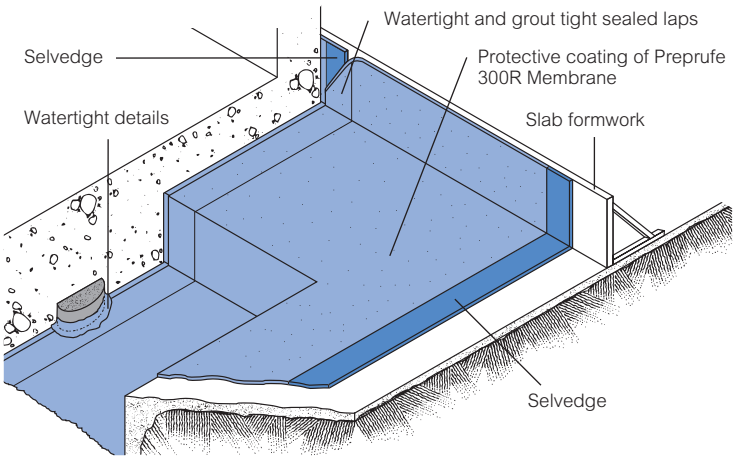
- **Preprufe® 300R**—heavy-duty grade for use below slabs and on rafts (i.e. mud slabs). Designed to accept the placing of heavy reinforcement using conventional concrete spacers.
- **Preprufe® 160R**—thinner grade for blindside, zero property line applications against soil retention systems.Vertical use only.
- **Preprufe® Tape LT**—for covering cut edges, roll ends, penetrations and detailing (temperatures between 25°F (-4°C) and 86°F (+30°C)).
- **Preprufe® Tape HC**—for covering cut edges, roll ends, penetrations and detailing (minimum 50°F (10°C)).
- **Preprufe® CJ Tape LT**—for construction joints, and detailing (temperatures between 25°F (-4°C) and 86°F (+30°C)).
- **Preprufe® CJ Tape HC**—for construction joints, and detailing (minimum 50°F (10°C)).
- **Bituthene® Liquid Membrane**—for sealing around penetrations, etc.
- **Adcor™ ES**—waterstop for joints in concrete walls and floors
- **Preprufe® Tieback Covers**—preformed cover for soil retention wall tieback heads
- **Preprufe® Preformed Corners**—preformed inside and outside corners

Preprufe® 300R & 160R membranes are applied either horizontally to smooth prepared concrete, carton forms or well rolled and compacted earth or crushed stone substrate; or vertically to permanent formwork or adjoining structures. Concrete is then cast directly against the adhesive side of the membranes. The specially developed Preprufe adhesive layers work together to form a continuous and integral seal to the structure.

Preprufe® products can be returned up the inside face of slab formwork but is not recommended for conventional twin-sided formwork on walls, etc. Use Bituthene® self-adhesive membrane or Procor® fluid-applied membrane to walls after removal of formwork for a fully bonded system to all structural surfaces.

Advantages

- **Forms a unique continuous adhesive bond to concrete poured against it**—prevents water migration and makes it unaffected by ground settlement beneath slabs
- **Fully-adhered watertight laps** and detailing
- **Provides a barrier to water, moisture and gas**—physically isolates the structure from the surrounding ground
- **BBA Certified** for basement Grades 2, 3, & 4 to BS 8102:1990
- **Zero permeance** to moisture
- **Solar reflective**—reduced temperature gain
- **Simple and quick to install**—requiring no priming or fillets
- **Can be applied to permanent formwork**—allows maximum use of confined sites
- **Self protecting**—can be trafficked immediately after application and ready for immediate placing of reinforcement
- **Unaffected by wet conditions**—cannot activate prematurely
- **Inherently waterproof, non-reactive system:**



Drawings are for illustration purposes only.
Please refer to graceconstruction.com for specific application details.

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No. 97/3325

- not reliant on confining pressures or hydration
- unaffected by wet/dry cycling

- **Chemical resistant**—effective in most types of soils and waters, protects structure from salt or sulphate attack

Installation

The most current application instructions, detail drawings and technical letters can be viewed at graceconstruction.com. For other technical information contact your local Grace representative.

Preprufe® 300R & 160R membranes are supplied in rolls 4 ft (1.2 m) wide, with a selvedge on one side to provide self-adhered laps for continuity between rolls. The rolls of Preprufe Membrane and Preprufe Tape are interwound with a disposable plastic release liner which must be removed before placing reinforcement and concrete.

Substrate Preparation

All surfaces—It is essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrates must be regular and smooth with no gaps or voids greater than 0.5 in. (12 mm). Grout around all penetrations such as utility conduits, etc. for stability (see Figure 1).

Horizontal—The substrate must be free of loose aggregate and sharp protrusions. Avoid curved or rounded substrates. When installing over earth or crushed stone, ensure substrate is well compacted to avoid displacement of substrate due to traffic or concrete pour. The surface does not need to be dry, but standing water must be removed.

Vertical—Use concrete, plywood, insulation or other approved facing to sheet piling to provide support to the membrane. Board systems such as timber lagging must be close butted to provide support and not more than 0.5 in. (12 mm) out of alignment.

Membrane Installation

Preprufe® membranes can be applied at temperatures of 25°F (-4°C) or above. When installing Preprufe product in cold or marginal weather conditions 55°F (<13°C) the use of Preprufe Tape LT is recommended at all laps and detailing. Preprufe Tape LT should be applied to clean, dry surfaces and the release liner must be removed immediately after application. Alternatively, Preprufe Low Temperature (LT) membrane is available for low temperature condition applications. Refer to Preprufe LT data sheet and Grace Tech Letter 16 for more information.

Horizontal substrates—Place the membrane HDPE film side to the substrate with the clear plastic release liner facing towards the concrete pour. End laps should be staggered to avoid a build up of layers. Leave plastic release liner in position until overlap procedure is completed (see Figure 2).

Accurately position succeeding sheets to overlap the previous sheet 3 in. (75 mm) along the marked selvedge. Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Peel back the plastic release liner from between the overlaps as the two layers are bonded together. Ensure a continuous bond is achieved without creases and roll firmly with a heavy roller. Completely remove the plastic liner to expose the protective coating. Any initial tack will quickly disappear products.

Refer to Grace Tech Letter 15 for information on suitable rebar chairs for Preprufe products.

Vertical substrates—Mechanically fasten the membrane vertically using fasteners appropriate to the substrate with the the clear plastic release liner facing towards the concrete pour. The membrane may be installed in any convenient length. Fastening can be made through the selvedge using a small and low profile head fastener so that the membrane lays flat and allows firmly rolled overlaps. Immediately remove the plastic release liner.

Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Roll firmly to ensure a watertight seal.

Roll ends and cut edges—Overlap all roll ends and cut edges by a minimum 3 in. (75 mm) and ensure the area is clean and free from contamination, wiping with a damp cloth if necessary. Allow to dry and apply Preprufe® Tape LT (or HC in hot climates) centered over the lap edges and roll firmly (see Figure 3). Immediately remove printed plastic release liner from the tape.

Details

Detail drawings are available at graceconstruction.com.

Membrane Repair

Inspect the membrane before installation of reinforcement steel, formwork and final placement of concrete. The membrane can be easily cleaned by power washing if required. Repair damage by wiping the area with a damp cloth to ensure the area is clean and free from dust, and allow to dry. Repair small punctures (0.5 in. (12 mm) or less) and slices by applying Preprufe® Tape centered over the damaged area. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6 in. (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape. Any areas of damaged adhesive should be covered with Preprufe Tape. Where exposed selvedge has lost adhesion or laps have not been sealed, ensure the area is clean and dry and cover with fresh Preprufe Tape. All Preprufe Tape must be rolled firmly and the tinted release liner removed. Alternatively, use a hot air gun or similar to activate the adhesive using caution not to damage the membrane and firmly roll lap to achieve continuity.

Pouring of Concrete

Ensure the plastic release liner is removed from all areas of Preprufe membrane and tape.

It is recommended that concrete be poured within 56 days (42 days in hot climates) of application of the membrane. Following proper ACI guidelines, concrete must be placed carefully and consolidated properly to avoid damage to the membrane. Never use a sharp object to consolidate the concrete.

Removal of Formwork

Preprufe® membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe membranes are not recommended for conventional twin-sided wall forming systems, see Grace Tech Letter 13 for information on forming systems used with Preprufe products.

Figure 1

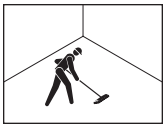


Figure 2

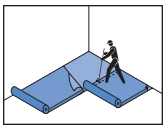
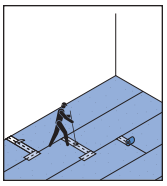
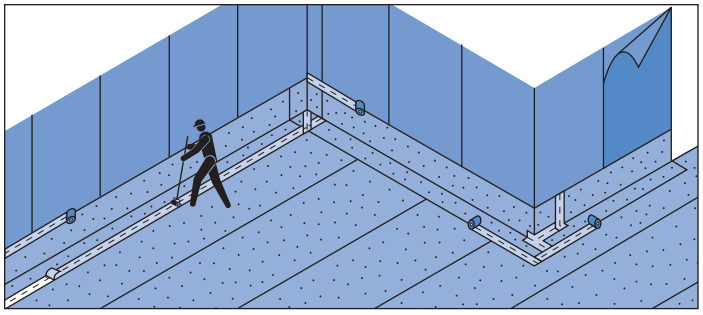


Figure 3

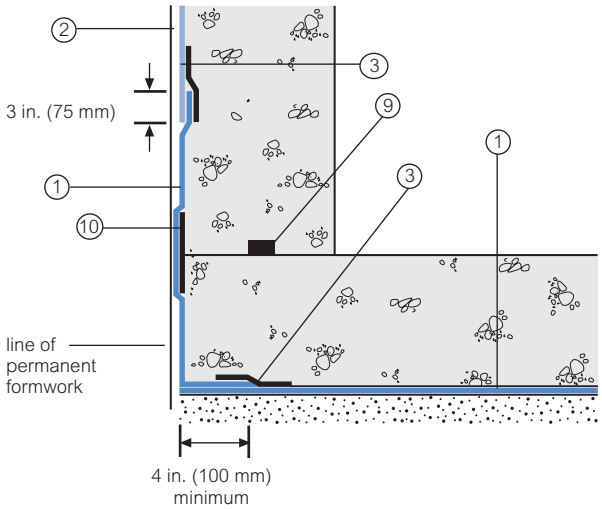




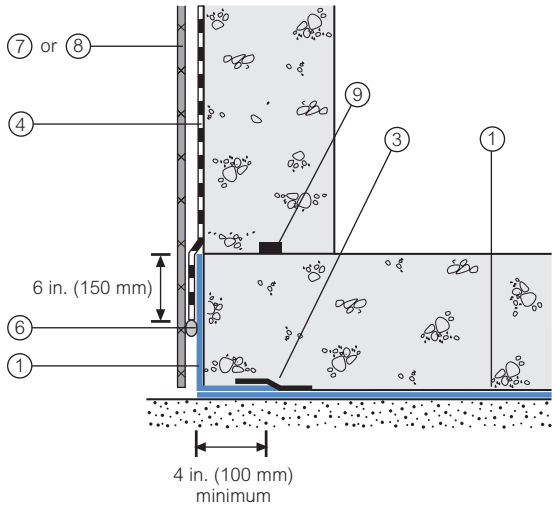
Detail Drawings

Details shown are typical illustrations and not working details. For a list of the most current details, visit us at graceconstruction.com. For technical assistance with detailing and problem solving please call toll free at 866-333-3SBM (3726).

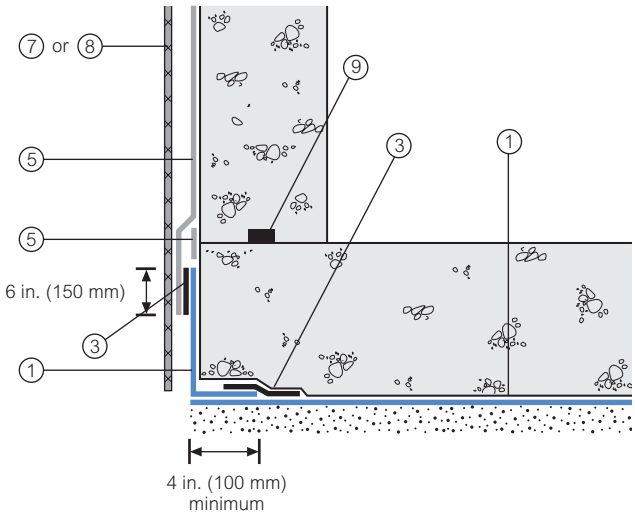
Wall base detail against permanent shutter



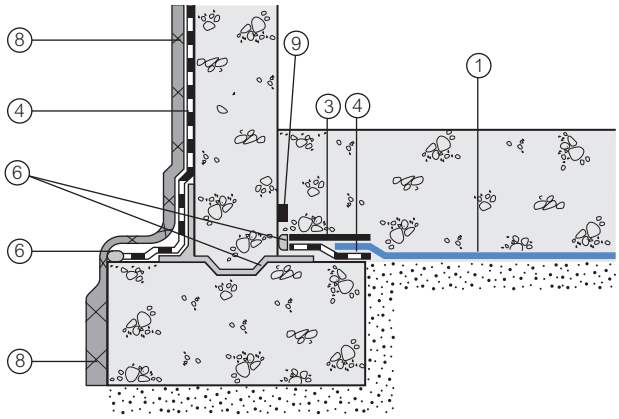
Bituthene® wall base detail (Option 1)



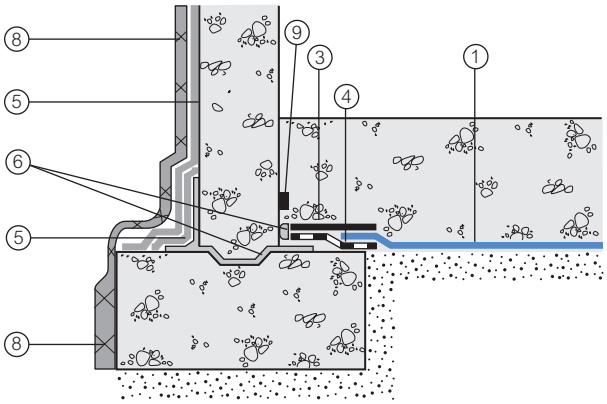
Procor® wall base detail (Option 1)



Bituthene® wall base detail (Option 2)



Procor® wall base detail (Option 2)



1 Preprufe® 300R
2 Preprufe® 160R
3 Preprufe® Tape
4 Bituthene®
5 Procor®
6 Bituthene® Liquid Membrane
7 Approved Protection Course
8 Hydroduct®
9 Adcor™ ES
10 Preprufe® CJ Tape

Supply

Dimensions (Nominal)	Preprufe 300R Membrane	Preprufe 160R Membrane	Preprufe Tape (LT or HC*)
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	
Roll size	4 ft x 98 ft (1.2 m x 30 m)	4 ft x 115 ft (1.2 m x 35 m)	4 in. x 49 ft (100 mm x 15 m)
Roll area	392 ft^2 (36 m^2)	460 ft^2 (42 m^2)	
Roll weight	108 lbs (50 kg)	92 lbs (42 kg)	4.3 lbs (2 kg)
Minimum side/end laps	3 in. (75 mm)	3 in. (75 mm)	3 in. (75 mm)

Physical Properties

Property	Typical Value 300R	Typical Value 160R	Test Method
Color	white	white	
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	ASTM D3767
Lateral Water Migration Resistance	Pass at 231 ft (71 m) of hydrostatic head pressure	Pass at 231 ft (71 m) of hydrostatic head pressure	ASTM D5385, modified[1]
Low temperature flexibility	Unaffected at -20°F (-29°C)	Unaffected at -20°F (-29°C)	ASTM D1970
Resistance to hydrostatic head	231 ft (71 m)	231 ft (71 m)	ASTM D5385, modified[2]
Elongation	500%	500%	ASTM D412, modified[3]
Tensile strength, film	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)	ASTM D412
Crack cycling at -9.4°F (-23°C), 100 cycles	Unaffected, Pass	Unaffected, Pass	ASTM C836
Puncture resistance	221 lbs (990 N)	100 lbs (445 N)	ASTM E154
Peel adhesion to concrete	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D903, modified[4]
Lap peel adhesion	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D1876, modified[5]
Permeance to water vapor transmission	0.01 perms (0.6 ng/(Pa x s x m^2))	0.01 perms (0.6 ng/(Pa x s x m^2))	ASTM E96, method B
Water absorption	0.5%	0.5%	ASTM D570

Footnotes:

1. Lateral water migration resistance is tested by casting concrete against membrane with a hole and subjecting the membrane to hydrostatic head pressure with water. The test measures the resistance of lateral water migration between the concrete and the membrane.
2. Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125 in. (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.
3. Elongation of membrane is run at a rate of 2 in. (50 mm) per minute.
4. Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2 in. (50 mm) per minute at room temperature.
5. The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2 in. (50 mm) per minute.

Removal of Formwork (continued)

A minimum concrete compressive strength of 3000 psi (20 N/mm^2) is recommended prior to stripping formwork supporting Preprufe® membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

Refer to Grace Tech Letter 17 for information on removal of formwork for Preprufe products.

Specification Clauses

Preprufe 300R® or 160R membrane shall be applied with its protective coating presented to receive fresh concrete to which it will integrally bond. Only Grace Construction Products approved membranes shall be bonded to Preprufe 300R/160R product. All Preprufe 300R/160R system materials shall be supplied by Grace Construction Products, and applied strictly in accordance with their instructions. Specimen performance and formatted clauses are also available.

NOTE: Use Preprufe Tape to tie-in Procor® fluid-applied membrane with Preprufe® products.

Health and Safety

Refer to relevant Material Safety data sheet. Complete rolls should be handled by a minimum of two persons.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

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This product may be covered by patents or patents pending.

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GRACE

Appendix G
Construction Health and Safety Plan

SITE-SPECIFIC CONSTRUCTION HEALTH AND SAFETY PLAN

160 Leroy Street
New York, New York 10014
Block 601, Lot 10 (formerly Lots 1, 4, 5, 8, and 10)
CEQR # 13-BSA-163M
OER Project Number # 15EH-N227M

Prepared For:

160 Leroy, LLC
c/o Gorton & Partners, LLC
21 West 38th Street, 6th Floor
New York, NY 10018

Prepared By:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001

LANGAN

April 2015
170215701

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Appendix F Site Safety Meeting Form
Appendix G Decontamination Procedures
Appendix H Standing Orders

1.0 INTRODUCTION

1.1 General

This Site-Specific Construction Health and Safety Plan (CHASP) has been developed by Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C. (Langan) to comply with Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1910.120(b)(4), Hazardous Waste Operations and Emergency Response (HAZWOPER). It addresses construction related to the Remedial Action (RA) at 160 Leroy Street, New York, NY (the Site). This CHASP is to be implemented by Langan personnel while on-site. Compliance with this CHASP is required of all Langan personnel who enter this area of site operations. The management of the day-to-day activities concerning this site and implementation of this CHASP in the field is the responsibility of the site Health and Safety Officer (HSO). Assistance in the implementation of this CHASP can also be obtained from the Langan Health and Safety Manager (HSM). The content of this CHASP may change or undergo revision based upon additional information made available to health and safety personnel, monitoring results, or changes in the scope of work. Any changes proposed must be reviewed by Health and Safety staff and are subject to the approval of the Langan HSM.

1.2 Objectives

The purpose of this site-specific CHASP is to establish personnel protection standards and mandatory safety practices and procedures for potential encounters with non-hazardous soil or groundwater during construction and to inform employees of the potential hazards that may be encountered during work activities pursuant to the OSHA Hazard Communication Standard (29 CFR 1910 and 1926), also known as the "Right-To-Know" law (Appendix A). This plan assigns responsibilities, establishes standard operating procedures, and provides for contingencies that may arise while operations are being conducted during construction.

Langan's primary responsibility is to observe and document the remedial action at the Site, as described by Langan's Remedial Action Work Plan (RAWP) dated May 8, 2015.

Langan's tasks during the RA will include the following:

- Observation and documentation of excavation;
- Implementation of a Community Air Monitoring Plan (CAMP);
- Observation and documentation of hazardous waste removal;

- Collection of post-excavation documentation soil samples;
- Observation and documentation of dewatering; and
- Observation and documentation of fill import, placement, and grading.

1.3 Roles and Responsibilities

The following briefly describes the health and safety (H&S) designations and general responsibilities which may be employed for this phase of work. The titles have been established to accommodate the site requirements in order to ensure the safe conduct of on-site work. The number and type of H&S personnel for a given work location is to be based upon the particular H&S requirements relative to the proposed site activities or operations.

1.3.1 Project Manager

The project manager (PM) has overall responsibility to ensure that personnel working on-site are safe. The specific responsibilities of the project manager include:

- Ensuring that the CHASP is developed prior to the beginning of construction;
- Reviewing and approving the CHASP prior to the beginning of construction;
- Ensuring employee understanding of and compliance with the CHASP; and
- Ensuring that project tasks are performed in a manner consistent with Langan's comprehensive *Health and Safety Program for Hazardous Waste Operations* and the CHASP.

1.3.2 Corporate Health and Safety Manager

The corporate health and safety manager (HSM) provides guidance to the project manager and health and safety officer (HSO) on CHASP preparation and reviews and approves the CHASP. The specific responsibilities of the corporate health and safety manager include:

- Serving as a resource in the development and implementation of CHASPs;
- Providing guidance and serving as a resource to the Langan HSO;
- Assisting the HSO with development of the CHASP, updating CHASP as dictated by changing conditions, jobsite inspection results, etc.;

- Assisting the HSO to conduct jobsite safety inspections and assisting with the correction of shortcomings found;
- Ensuring training requirements are satisfied in a timely manner;
- Ensuring medical evaluations of Langan personnel are current; and
- Maintaining records on personnel (medical evaluation results, training and certifications, accident investigation results, etc.).

1.3.3 Health and Safety Officer

The health and safety officer (HSO) is responsible and authorized to implement this CHASP and verify compliance. The HSO reports to the PM and is on-site or readily accessible to the site during all work operations. The HSO is responsible for assessing site conditions and direction and controlling emergency response activities. The specific responsibilities of the HSO include the following:

- Participating in the development and implementation of this CHASP;
- Conducting jobsite safety inspections and correcting any shortcomings in a timely manner;
- Helping to select proper PPE (Personal Protective Equipment) and periodically inspecting it;
- Ensuring that PPE is properly stored and maintained;
- Controlling entry into and exit from the contaminated areas or zones of the site;
- Monitoring the work parties for signs of stress, such as heat stress, fatigue, and cold exposure;
- Monitoring site hazards and conditions;
- Knowing (and ensuring that all site personnel also know) emergency procedures, evacuation routes, and the telephone numbers of the ambulance, local hospital, poison control center, fire department, and police department; and
- Resolving conflicting situations which may arise concerning safety requirements and

working conditions.

1.3.4 Key Personnel and Contact Information

Title	Name	Affiliation	Work Telephone	Cell Phone
Project Manager	Gerry Nicholls	Langan	212-479-5559	609-933-5330
HSO	Gregory Wyka	Langan	212-479-5476	347-267-2679
HSM	Tony Moffa	Langan	212-491-6545	212-756-2523
N/A	Incident/Injury Hotline	Langan	201-398-4699	N/A
Site Contact	Raymond Del Savio	Gorton & Partners, LLC	212-768-7070	
Client Contact	Raymond Del Savio	Gorton & Partners, LLC	212-768-7070	

1.3.5 Subcontractor Responsibilities

Langan does not anticipate using subcontractors on Site during the RA. If Langan utilizes subcontractors, each subcontractor shall develop and implement their own CHASP, which identifies a lead individual responsible for H&S compliance for each of their employees, lower-tier subcontractors, and consultants. The subcontractor's CHASP will be at least as stringent as this Langan CHASP. The subcontractor must be familiar with and abide by the requirements outlined in their own CHASP. A subcontractor may elect to adopt Langan's CHASP as its own provided that it has given written notification to Langan, but where Langan's CHASP excludes provisions pertinent to the subcontractor’s work (i.e., confined space entry) the subcontractor must provide written addendums to this CHASP. Additionally, the subcontractor must:

- Ensure their employees are trained in the use of all appropriate PPE for the tasks involved;
- Notify Langan of any hazardous material brought onto the job site, the hazards associated with the material, and must provide a MSDS for the material;
- Have knowledge of, understand, and abide by all current federal, state, and local health

and safety regulations pertinent to the work;

- Ensure their employees have received current training in the appropriate levels of 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response (HAZWOPER);
- Ensure their employees have been medically cleared to work in Hazardous Waste Sites and to wear a respirator, if necessary;
- Ensure their employees have been fit-tested within the year on the type respirator they will wear; and
- Ensure that its employees have been briefed on this CHASP and have signed the CHASP Compliance Agreement.

2.0 EMERGENCY RESPONSE PLAN

The following section discusses emergency recognition and prevention and emergency response and notification. Emergency situations include, but are not limited to, injury or chemical exposure to personnel, fire or explosion, environmental release, or serious weather conditions.

2.1 Emergency Prevention, Recognition, Response and Notification

It is the responsibility of all personnel to monitor work at the Site for potential safety hazards. All personnel are required to immediately report any unsafe conditions to the HSO. The HSO is responsible to immediately take steps to remedy any unsafe conditions observed at the Site.

If an emergency at the Site warrants evacuation, all personnel shall immediately evacuate the affected area, report to the predetermined emergency assembly location, and then report the emergency to the HSO. The predetermined emergency assembly location will be at the **northeast corner of Leroy Street and West Street**.

In case of injury, field personnel should take precautions to protect the victim from further harm, immediately administer emergency first aid (as necessary), and notify local or facility emergency services and the HSM immediately. Emergency medical care will be provided by the FDNY/NYPD.

All work-related incidents, injuries of any personnel (e.g., Langan employees, subcontractors, property owners, visitors, etc.) associated with field activities, and near-misses and all property

damage and injuries must immediately be report to the Langan Incident/Injury Hotline. The affected employee and the HSO must complete and submit the Employee Exposure/Injury Incident Report (Appendix B) as soon as possible following the incident.

In all situations when an on-site emergency results in an evacuation, Langan personnel shall not re-enter until:

- The conditions resulting in the emergency have been corrected;
- The hazards have been reassessed;
- This HASP has been reviewed and revised, as necessary; and
- Langan field personnel have been briefed on changes to this CHASP.

2.2 Hospital Route Map

In case of emergency, the nearest hospital to the Site is Beth Israel Medical Center located on 1st Avenue and 16th Street in Manhattan, New York. A route map to the hospital is provided as Figure 1.

Directions to Beth Israel Medical Center

START: 160 Leroy Street, New York, NY 10014

1. Head west on Leroy Street toward West Street
2. Turn right onto West Street / Henry Hudson Parkway (9A)
3. Turn Right onto W 12th Street
4. Turn Left onto 1st Avenue
5. Turn Left onto 16th Street

END: 1st Ave and 16th Street, New York, NY 10003

2.3 Emergency Contact Information

Local Resource	Name	Telephone
Fire	FDNY	911
Police	NYPD	911
Ambulance	FDNY	911
Hospital	Beth Israel Medical Center (Emergency)	212-420-2840
Poison Control Center	N/A	1-800-222-1222

3.0 SITE LOCATION AND BACKGROUND

The Site is located in the West Village neighborhood of Manhattan and is identified as Lot 10 (formerly Lots 1, 4, 5, 8, and 10) of Block 601 on the New York City Tax Map. The five former tax lots comprising the Site were merged into a single lot (Lot 10) as part of the proposed redevelopment. The Site is bound by Leroy Street to the north, Lot 12 (asphalt-paved parking lot) and Lot 13 (two- and three-story commercial building) of Block 601 to the east, Clarkson Street to the south, and West Street to the west. The Hudson River lies to the west of the Site across West Street. The Site encompasses an area of approximately 28,000 square feet. A site location map is presented as Figure 2. A site plan is presented as Figure 3.

A brief description and current use of each of the five former lots is provided below:

Former Lot 1:

- Two-story slab-on-grade building occupied by a night club at 75-77 Clarkson Street;
- One-story building with a basement occupied by an adult cabaret establishment at 354 West Street; and
- Two-story building occupied by a ground floor automobile repair garage with an office and storage space on the second story at 356 West Street. The buildings at 354 West Street and 356 West Street share a common basement.

Former Lot 4:

- One-story vacant and dilapidated building that was formerly used as a restaurant at 357 West Street. A wooden patio area and open space are present in the rear and side of the building, respectively.

Former Lot 5:

- Three-story building with a ground-floor hardware store at 358 West Street. The second and third stories of the building are currently under renovation for use as commercial space.

Former Lot 8:

- One-story vacant building with a second story addition in the rear of the building and a partial basement at 359-361 West Street and 160-162 Leroy Street. The building was formerly occupied by an automobile repair garage, car wash and oil change shop. The second story addition is a vacant residential apartment.

Former Lot 10:

- There is a two-story vacant building at 156-158 Leroy Street formerly occupied by a pasta manufacturing facility with office space on the second story.

3.1 Site History

Based on a review of historical maps, the original shoreline of the Hudson River was east of the Site. Prior to its initial development, the Site comprised marshland, which was subsequently drained and filled. A review of historic Sanborn fire insurance maps, city directory information, and available public databases indicated the Site was occupied since at least 1891 by manufacturing and commercial tenants. The Site was historically used for primarily commercial and industrial purposes including stores, offices, a hotel, machine shops, auto body shops, a car wash, a junkyard, a smelting works, and a warehouse. Current improvements to the Site were constructed between 1936 and 1968. Ownership records for the fiver former lots comprising the Site list multiple realty groups, corporations, and individual property owners. City Directory Abstract records identified multiple residential, commercial, and professional uses of the Site including auto repair, transportation, metalworking, and salvage/ disposal facilities.

The surrounding area has historically been occupied by residential, commercial, industrial, and

storage facilities. Historical commercial, industrial, and storage operations on adjacent properties included storage facilities and a filling station to the north, a chemical manufacturing company, a wagon builder, an auto repair shop, a garage, and a railroad right-of-way to the east, a lumberyard, a soap works, a steam laundry, a warehouse, and a freight terminal to the south, and multiple piers to the west.

3.2 Proposed Redevelopment Plan

The new development project is in design development and is anticipated to consist of a new fourteen-story mixed-use residential and commercial building with a cellar. The elevation of the first floor will be about 6 feet above existing grade to comply with the new advisory base flood elevation (ABFE) maps published by the Federal Emergency Management Agency (FEMA). The cellar is anticipated to be used for parking (about 6,000 square feet), bicycle storage, tenant storage, amenities, including a laundry room and spa/fitness room, and mechanical equipment and building services. The first floor is anticipated to include an entrance/lobby, commercial retail space, amenities, including a pool, a driveway/cul-de-sac, a loading dock, mechanical equipment and building services, and an outdoor terrace/garden. Residential units will consist of a mix of 1-bedroom to 7-bedroom units and will be located on the second to twelfth floors. Mechanical equipment will be housed on the thirteenth and fourteenth floors. The thirteenth floor will also include an outdoor terrace.

The new development will require the demolition of all existing buildings and excavation of the Site to a depth of about el. -2 feet (NAVD88[1]) (about 9 to 12 feet below existing grade) to accommodate the foundation slab. Locally deeper excavation, up to about 16 feet below existing grade, will be required to accommodate pile caps, grade beams, and elevator pits. Foundation excavation depths are approximate and may vary by 1 to 2 feet based on practicality due to integrity of adjacent structures and/or dewatering. Dewatering will be required to construct the building's foundation.

[1] National Vertical Datum of 1988. Datum refers to the National Vertical Datum of 1988 (NAVD88) which is approximately 1.1 feet above mean sea level datum at Sandy Hook New Jersey as defined by the United States Geologic Survey (USGS NGVD 1929).

4.0 SCOPE OF WORK

4.1 Task Descriptions

4.1.1 Task #1 – Excavation Oversight

Soil and fill management on-site and off-site, including excavation, screening, handling and disposal, import, and reuse will be conducted in accordance with the *Remedial Action Work Plan*. The Contractor shall be responsible for all excavation and earthwork. Langan field personnel will be on site to oversee excavation, screening, and earthwork and document compliance with the remedial action requirements described in the *Remedial Action Work Plan*. In addition, Langan field personnel will be monitoring trucks loaded with excavated materials and may be signing waste manifests on behalf of the owner/generator.

4.1.2 Task #2 – Community Air Monitoring Program

Real-time air monitoring for volatile organic compounds (VOCs) and particulate matter at the upwind and downwind perimeter of the construction area will be performed by Langan field personnel on a continuous basis during soil disturbance activities and the handling of contaminated soil and fill material. Soil disturbance activities include, but are not limited to, soil/fill material excavation, screening of soil/fill material handling, stockpiling and loading, grading, trenching, soldier pile installation, and lagging. Particulate matter will be monitored using a real-time DustTrak aerosol monitor. A PID (MiniRAE 2000 or equivalent) will be used to monitor for VOCs.

4.1.3 Task #3 – Hazardous Waste Removal

Hazardous waste identified during Langan's April 2015 *Waste Characterization Report* will be removed from the Site during RA. Prior to excavation, the Contractor shall demarcate the location of all hazardous soil and refrain from unnecessary hazardous soil disturbance. As per the CAMP, Langan will perform real-time air monitoring during all excavation, loading, and disposal of hazardous soil. The completion of an initial 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training program (or its equivalent) as detailed in OSHA's 29 CFR 1910.120(e) is required for all employees who will perform work where the potential exposure to hazardous substances exists.

4.1.4 Task #4 – Post-Excavation Documentation Sampling

Langan will collect soil grab samples following excavation to document soil left in place following development, as described in the *Remedial Action Work Plan*. Langan field personnel will sample the excavation base and sidewalls, where feasible. The Contractor shall provide a means of safe access to the excavation.

4.1.5 Task #5 – Dewatering

Dewatering is anticipated during the construction of the foundation because the excavation will extend into the groundwater table. Dewatering liquids removed from the site will be managed by the Contractor in accordance with applicable laws and regulations. The Contractor shall be responsible for handling, treating, and disposing of all contaminated groundwater removed from the site. The methods of dewatering shall be at the option of the Contractor, provided that dewatering be accomplished in a manner that shall preserve the strength of foundation strata, shall not cause instability of the excavation sides, shall not result in loss of ground from beyond the property lines, shall not cause damage to existing structures, streets, pavements, and utilities, and complies with all applicable regulations.

Dewatering fluids from temporary construction dewatering will be managed through one or more of the following methods:

- Discharge to the surface waters of the Hudson River;
- Discharge to the NYCDEP municipal sewer system;
- Discharge to groundwater; and/or
- Containerization and off-site disposal.

Dewatering activities will be conducted in accordance with the *Remedial Action Work Plan*. Langan staff, under the supervision and direction of a QEP, will be on-site to oversee dewatering activities and document and verify compliance with the requirements described in the *Remedial Action Work Plan*.

4.1.6 Task #6 – Fill Import, Placement and Grading

Soil or fill material will be imported for use as fill and cover material in accordance with the Soil and Materials Management Plan (SMMP). Imported soil and fill material shall meet geotechnical requirements and comply with the requirements of 6 NYCRR Part 360. In addition, imported soil and fill material shall not contain any C&D debris, other than recognizable

concrete aggregate as described herein, or exhibit any observable indicators that it was in contact with a spill of petroleum, hazardous waste or industrial waste (i.e., staining and odors). Imported backfill used below the new building slab and waterproofing/vapor barrier membrane, below the clean soil cap, or below other impervious surfaces (e.g., roadways, sidewalks, and walkways) shall meet the NYSDEC 6 NYCRR Part 375-6.8(b) Restricted Use Restricted-Residential SCOs. Landscaped and planted areas will be covered with a minimum of 2 feet of certified clean soil meeting the lower of the appropriate NYSDEC 6 NYCRR Part 375-6.8(a) Restricted Use Restricted-Residential and Protection of Groundwater SCOs. Residual (existing) soil and fill material outside of the new building footprint will be demarcated.

Real-time air monitoring of particulates and VOCs will be conducted by Langan field personnel during imported fill placement and grading, as outlined in Section 4.1.2 above.

5.0 HAZARD EVALUATION

This section provides an assessment of the general hazards that may be encountered during field work activities through a task-by-task risk analysis. Potential hazards as chemical exposure and physical hazards are presented below.

5.1 Chemical Hazard Evaluation

Potentially hazardous constituents known to exist at the Site are VOCs, semi-volatile organic compounds (SVOCs), metals, PCBs, and pesticides. Exposure to chemical hazards is possible during all proposed site tasks. These potentially hazardous constituents have been found in soil, groundwater, and/or soil vapor. The stratigraphy underlying the subject property included of a surficial layer of historic fill overlying native fine- to coarse-grained sandy and silty soil with some gravel, cobbles, and clay. The historic fill layer extended to depths of about 7 to 13 feet below grade surface.

5.2 Summary of Potential Chemical Hazards

The following table (Table 1) lists the potentially hazardous constituents at the Site detected at concentrations exceeding applicable regulatory standards. Other compounds that may be encountered are site equipment fuels (gasoline, diesel, etc.), decontaminants, and sample preservatives. The table lists the chemical properties and OSHA permissible exposure limit (PEL), short-term exposure limit (STEL), and immediately dangerous to life and health (IDLH) level for each constituent.

More information about the potentially hazardous constituents at the Site, including acute toxicological symptoms and first aid procedures, can be found on their Safety Data Sheets (SDS) in Appendix C. The SDS in Appendix C are listed in alphabetical order.

Table 1: Potential Chemical Hazards Summary								
Constituent of Concern	**Environmental Medium**	**OSHA PEL**	**OSHA STEL**	**OSHA IDLH**	**IP (eV)**	**Hazards**	**Route of Exposure**	**Monitoring Device**
Volatile Organic Compounds								
2-Butanone	Soil	200ppm	NIOSH ST 300ppm	3,000ppm	9.54	Flammable	Inhalation Ingestion Contact	PID
Benzene	Groundwater	1ppm	5pmm	500pmm	9.24	Ca, Flammable	Inhalation Ingestion Absorption Contact	PID
Toluene	Groundwater	200ppm	300ppm	500ppm	8.82	Flammable	Inhalation Ingestion Absorption Contact	PID
Naphthalene	Soil/Groundwater	10ppm	NIOSH ST 15ppm	250ppm	8.12	Combustible Solid	Inhalation Ingestion Absorption Contact	PID
Tetrachloroethene	Groundwater	100ppm	200 for 5 minutes in 3-hour period	150ppm	9.32	Ca	Inhalation Ingestion Absorption Contact	PID
Semi-Volatile Organic Compounds								
3-methylphenol/4-methylphenol (CTPV)	Soil	5ppm	--	250 ppm	8.98	Combustible Liquid	Inhalation Ingestion Absorption Contact	PID
Benzo[a]anthracene (CTPV)	Soil/Groundwater	0.2 mg/m3	--	80 mg/m3	--	Ca, Combustible Solid	Inhalation Contact	--
Benzo[a]pyrene (CTPV)	Soil/Groundwater	0.2 mg/m3	--	80	--	Ca,	Inhalation	--

Table 1: Potential Chemical Hazards Summary								
Constituent of Concern	**Environmental Medium**	**OSHA PEL**	**OSHA STEL**	**OSHA IDLH**	**IP (eV)**	**Hazards**	**Route of Exposure**	**Monitoring Device**
				mg/m3		Combustible Solid	Contact	
Benzo[b]fluoranthene (CTPV)	Soil/Groundwater	0.2 mg/m3	--	80 mg/m3	--	Ca, Combustible Solid	Inhalation Contact	--
Benzo[k]fluoranthene	Soil/Groundwater	--	--	--	--	--	--	--
Chrysene (CTPV)	Soil/Groundwater	0.2 mg/m3	--	80 mg/m3	--	Ca, Combustible Solid	Inhalation Contact	--
Dibenzo(a,h)anthracene	Soil	--	--	--	--	Suspect Ca	Inhalation Ingestion Absorption Contact	--
Indeno(1,2,3-c,d)pyrene	Soil/Groundwater	--	--	--	--	--	--	--
Phenol	Soil/Groundwater	5ppm	--	250ppm	8.50	Combustible Solid	Inhalation Ingestion Absorption Contact	--
Pesticides								
4,4'-DDD	Soil	--	--	--	--	--	--	--
4,4'-DDE	Soil	--	--	--	--	--	--	--
4,4'-DDT	Soil	1 mg/m^3 (skin)	--	500ppm	--	Ca	Inhalation Ingestion Absorption Contact	--
Metals								
Antimony	Groundwater	0.5 mg/m^3	--	50 mg/m^3	--	--	Inhalation Ingestion	--

Table 1: Potential Chemical Hazards Summary								
Constituent of Concern	**Environmental Medium**	**OSHA PEL**	**OSHA STEL**	**OSHA IDLH**	**IP (eV)**	**Hazards**	**Route of Exposure**	**Monitoring Device**
							Contact	
Arsenic (Inorganic)	Soil	0.010 mg/m^3	--	5 mg/m^3	--	Ca	Inhalation Ingestion Absorption Contact	--
Barium (as $BaCl_2$)	Soil	0.5 mg/m^3	--	50 mg/m^3	--	--	Inhalation Ingestion Contact	--
Cadmium (as Cd)	Soil	0.005 mg/m^3	--	9 mg/m^3	--	Ca	--	--
Chromium (as Cr)	Soil	1 mg/m^3	--	250 mg/m^3	--	--	Inhalation Ingestion Absorption Contact	--
Copper (as Cu)	Soil	1 mg/m^3	--	100 mg/m^3	--	--	Inhalation Ingestion Contact	--
Iron (Iron Oxide)	Groundwater	10 mg/m^3	--	2500 mg/m^3	--	--	Inhalation	--
Lead (as Pb)	Soil/Groundwater	0.050 mg/m^3	--	100 mg/m^3	--	--	Ingestion Absorption Contact	--
Magnesium	Groundwater	--	--	--	--	--	--	--
Manganese (as Mn)	Groundwater	1 mg/m^3	NIOSH ST 3 mg/m^3	500 mg/m^3	--	Combustible Solid	Inhalation Ingestion	--
Mercury (as Hg)	Soil	0.1 mg/m^3 (skin)	--	10 mg/m^3	--	--	Inhalation Ingestion Absorption Contact	--
Selenium (as Se)	Soil	0.2 mg/m^3	--	1 mg/m^3	--	Combustible Solid	Inhalation Ingestion Contact	--

Table 1: Potential Chemical Hazards Summary

Constituent of Concern	Environmental Medium	OSHA PEL	OSHA STEL	OSHA IDLH	IP (eV)	Hazards	Route of Exposure	Monitoring Device
Silver (as Ag)	Soil	0.01 mg/m^3	--	10 mg/m^3	--	--	Inhalation Ingestion Contact	--
Sodium	Groundwater	--	--	--	--	--	--	--
Zinc (Zinc Oxide)	Soil	15 mg/m^3 (total dust)	--	500 mg/m^3	--	--	Inhalation	--

Notes:
NIOSH – National Institute for Occupational Safety and Health
REL – Recommended Exposure Limit
OSHA – Occupational Safety and Health Administration
PEL – Permissible Exposure Limit
STEL – Short-Term Exposure Limit
IDLH – Immediate Danger to Life and Health
TLV – Threshold Limit Value
CTPV – Coal Tar Pitch Volatiles
IP – Ionization Potential
Ca – Carcinogen
Sources: NIOSH Pocket Guide to Chemical Hazards (Department of Health and Human Services, Centers for Disease Control and Prevention, September 2007); OSHA Chemical Sampling Information Search (http://www.osha.gov/dts/chemicalsampling/toc/toc_chemsamp.html)

5.3 Radiation Hazard Evaluation

No radiation hazards are known or expected at the site.

5.4 Biological Hazard Evaluation

5.4.1 Animals

Animals, such as dogs, pigeons, sea gulls, mice, and rats may be encountered during construction activities. Workers shall use discretion and avoid all contact with animals. Bites and scratches from dogs can be painful and can lead to the worker contracting the rabies virus if the dog is rabid. Contact with rat and mice droppings may lead to the worker contracting hantavirus. Inhalation of dried pigeon droppings may lead to the worker contracting psittacosis; crytococcosis and histoplasmosis are also diseases associated with exposure to dried bird droppings, but these diseases are less likely to occur in a construction-type occupational setting.

5.4.2 Insects

Insects, including bees, wasps, hornets, mosquitoes, and spiders, may be encountered during construction activities. Individuals allergic to insect bites or stings may succumb to anaphylactic shock, which is a life-threatening condition and may result in death. In addition, mosquito bites may lead to a worker contracting West Nile encephalitis or other contagious diseases known to be carried by a mosquito host. Personnel bitten or stung by an insect should notify the HSO immediately. The following is a list of preventive measures related to insect bites or stings:

- Apply insect repellent prior to work and or as often as needed throughout the work shift;
- Wear protective clothing (work boots, socks and light colored pants);
- When walking in wooded areas, to the extent possible avoid contact with bushes, tall grass, or brush; and
- Field personnel who are allergic to insects or are otherwise susceptible to insect bites and stings should notify the HSO prior to commencing work and shall be responsible for supplying allergy medication for their own use throughout the work shift.

- The HSO or FSO will instruct the project personnel in the recognition and procedures for encountering potentially hazardous insects at the site.

5.5 Physical Hazard Evaluation

5.5.1 Operation of Heavy Equipment

Heavy motorized equipment (i.e., track-mounted excavators, front loaders, pile-driving rigs, and support vehicles) will be used during the construction project. Working with heavy motorized equipment will be a major physical hazard during construction. Injuries may result from equipment hitting, running over, or overturning on personnel and equipment kicking up potentially harmful objects (i.e. rock, concrete, scrap metal, etc.). Occupational Safety and Health Administration (OSHA) guidelines will be followed for operating heavy equipment as outlined in 29 CFR 1926.600-602. To help prevent injuries/accidents, the following precautions will be implemented:

- Brakes, hydraulic lines, light signals, fire extinguishers, fluid levels, steering, tires, horn, and other safety devices will be checked at the beginning of each shift.

- Large construction motor vehicles will not be backed up unless the vehicle has a reverse signal alarm audible above the surrounding noise level or the vehicle is backed up only when an observer signals that it is safe to do so.

- Heavy equipment or motor vehicle cable will be kept free of all nonessential items, and all loose items will be secured.

- Large construction motor vehicles and heavy equipment will be provided with necessary safety equipment (such as seat belts, roll-over protection, emergency shut-off in case of roll-over, backup warning lights and audible alarms).

- Blades and buckets will be lowered to the ground and parking brakes will be set before shutting off any heavy equipment or vehicles.

5.5.2 Excavation and Earthwork

Soil and fill material will be excavated to accommodate the new building's foundation. The

OSHA 29 CFR 1926.651 construction industry standards relating to excavations will be followed during excavation and earthwork activities. These standards include shoring and cutback requirements, equipment specifications, entry requirements, etc. To avoid exposure to site-specific contaminants and to ensure acceptable atmospheric conditions, the following additional requirements apply for excavation work at the site:

- Open excavations should be backfilled as soon as practicable. While excavations remain open, appropriate warnings should be posted and barricades will be erected to protect pedestrian and worker safety. Where possible, excavation side walls should be cut at a gradual slope to maximize egress and access. Workers should not enter excavations unless absolutely required.

- To ensure atmospheric quality, appropriate tests (i.e., flammable gas, oxygen deficiency, etc.) shall be conducted as often as necessary as determined by the HSO.

- When the HSO identifies hazardous atmospheres, emergency rescue equipment and appropriate PPE should be available at the work site and readily accessible to employees (29 CFR 1926.651(g)(2)(I)).

- Daily site safety inspections shall be conducted by the SSO.

5.5.3 Underground Utilities

Encountering underground utilities poses fire, explosion, and electrocution hazards is possible during excavation and earthwork. All excavation work will be preceded by review of available utility drawings and by notification of the subsurface work to the New York One-Call Center. Potential adverse effects of electrical hazards include burns and electrocution, which can result in death.

5.5.4 Noise

The use of excavation and drilling equipment may generate noise levels that will require the use of hearing protection in the immediate vicinity. Hearing protection will be used around drilling equipment. Appropriate earplugs or earmuffs with a NRR greater than 25 will be worn to prevent overexposure.

5.5.5 Work In Extreme Temperatures

Work under extremely hot or cold weather conditions requires special protocols to minimize the chance that employees will be affected by heat or cold stress. OSHA guidelines will be followed regarding work in excessive hot or cold temperatures.

5.5.6 Miscellaneous

Applicable OSHA 29 CFR 1910.120(m) standards for illumination shall apply. Work should be conducted during daylight hours whenever possible.

Electrical power should be provided through a ground fault circuit interrupter. Equipment that will enter an excavation must be suitable and approved (i.e. intrinsically safe) for use in potentially explosive environments. Applicable OSHA 29 CFR 1926 Subpart K standards for use of electricity shall apply.

Work where there is a fall hazard should be performed using appropriate ladders and/or protection (e.g. body harness and lifeline). All work should be conducted at the ground surface.

In accordance with 29 CFR 1910.151(c), workers involved in operations where there is the risk of eye injury, (chemical splash, etc.), should have ready access to an approved eye wash unit. Protective eye wear shall be donned in Level D. The full-face APR required by Level C and the pressure demand self-contained breathing apparatus mask required by Level B provide eye protection.

Operations where there is a potential for fire should be conducted in a manner that minimizes risk. Non-sparking tools and fire extinguishers shall be used or available as directed by the site safety officer when work is in potentially explosive atmospheres. Ignition sources shall be removed from work areas. Explosion-proof instruments and/or bonding and grounding should be used to prevent fire or explosion when the site safety officer directs their use.

Overhead utilities should be identified and/or inspected and appropriate safety precautions taken before conducting operations where there is potential for contact or interference.

5.6 Summary of Potential Physical Hazards

The following table (Table 2) presents a summary of possible physical hazardous that are likely to be encountered during completion of field task. Fact sheets for cold and heat stress are included as Appendix D.

	Table 2: Potential Physical Hazards Summary		
Task	**Possible Hazard**	**Description**	**Safety/Control Procedures**
#1, #2, #3, #4, #5, #6	Heavy equipment	Excavator, front loaders, pile-driving rigs and support vehicles.	Stay back from operating equipment; wear safety vests and hard hats, coordinate and maintain eye contact with equipment operator.
#1, #2, #3, #4, #5, #6	Noise	Excavator, front loaders, pile-driving rigs, support vehicles, power tools.	Wear hearing protection.
#1, #2, #3, #4, #5, #6	Falling objects	Tools and other equipment falling heavy equipment or from support of excavation.	Wear hard hat.
#1, #2, #3, #4, #5, #6	Underground/overhead utilities	Heavy equipment makes contact with underground object; boom touches overhead power line.	Follow mark-out policy and safe drilling practices.
#1, #2, #3, #4, #5, #6	Biological	Bee stings; dog, tick, snake bites; poison ivy; mosquitoes.	Wear proper PPE; be vigilant; follow safe work practices; wear insect repellant.
#1, #2, #3, #4, #5, #6	Improper material handling	Improper lifting/carrying of equipment and materials causing strains.	Follow safe lifting and general material handling techniques.
#1, #2, #3, #4, #5, #6	Slips, trips, and falls	Various injuries could occur from slips, trips, and falls in carrying out field activities.	Good housekeeping, constant awareness and focus on the task.
#1, #2, #3, #4, #5, #6	Vehicular traffic	Various injuries or incidents could result from vehicular traffic.	Wear high visibility safety vests; use cones to designate work area; follow safe work practices.
#1, #2, #3, #4, #5, #6	Sunburn	Exposure to ultraviolet solar radiation.	Wear broad spectrum sunscreen.
#1, #2, #3, #4, #5, #6	Adverse weather	Severe thunderstorms with strong winds and lightning; heavy precipitation (rain).	Seek shelter; work in adverse weather conditions only with proper training and equipment. In the event of heavy precipitation (rain) conditions will be assessed to determine if

	Table 2: Potential Physical Hazards Summary		
Task	**Possible Hazard**	**Description**	**Safety/Control Procedures**
			the work can proceed safely. If it is determined that the weather poses a significant hazard, site operations will be stopped and rescheduled.
#1, #2, #3, #4, #5, #6	Heat stress	Heat exhaustion, heat stroke, dehydration.	Proper and consistent hydration; seek shade during work breaks; wear light-colored and breathable clothing; in cases of heat stroke call for emergency help.
#1, #2, #3, #4, #5, #6	Cold stress	Frostbite, hypothermia.	Proper and consistent hydration; wear warm clothing in cold weather; seek warmth during work breaks; in cases of hypothermia call for emergency help

6.0 PERSONAL PROTECTIVE EQUIPMENT

PPE must protect workers from the specific hazards they are likely to encounter on-site. Selection of the appropriate PPE must be taken into consideration: (1) identification of the hazards or suspected hazards; (2) potential exposure routes; and (3) the performance of the PPE construction (materials and seams) in providing a barrier to these hazards. Based on anticipated site conditions, engineering controls and the proposed work tasks to be performed at the Site, Level D Protection should be used. The decision to modify standard PPE will be made by the Site. The general levels of protection are described below.

Level D

- Safety glasses with side-shields or chemical splash goggles if a splash hazard is present;
- Safety boots/shoes (toe-protected);

- Hard hat;
- Long sleeve work shirt and work pants;
- Nitrile gloves;
- Hearing protection (as needed);
- Traffic vest (if working or adjacent to roadway);
- Coveralls (Tyvek or equivalent) if extensive splashing or contaminated media is expected.

Level C

- Full or half mask respirator, air-purifying, cartridge-equipped, NIOSH approved respirator suitable for the compound of concern
- Inner (latex) and outer (nitrile) chemical resistant gloves;
- Chemical-resistant safety boots/shoes (toe-protected);
- Hard hat;
- Long sleeve work shirt and work pants;
- Coveralls (Tyvek or equivalent);
- Hearing protection (as needed);
- Traffic vest (if working on or adjacent to roadway).

6.1 OSHA PPE Requirements

All personal protective equipment used during construction must meet the following OSHA standards:

Type of Protection	Regulation	Source
Eye and Face	29 CFR 1910.133 29 CFR 1926.102	ANSI Z87.1-1968

Respiratory	29 CFR 1910.134 29 CFR 1926.103	ANSI Z88.1-1980
Head	29 CFR 1910.135 29 CFR 1926.100	ANSI Z89.1-1969
Foot	29 CFR 1910.136 29 CFR 1926.96	ANSI Z41.1-1967
Notes: 1. ANSI – American National Standards Institute		

Both the respirator and cartridges specified for use in Level C protection must be fit-tested prior to use in accordance with OSHA regulations (29 CFR 1910.1025; 29 CFR 1910.134). Based on performance criteria of air purifying respirators, they cannot be worn under the following conditions:

- Oxygen deficiency;
- Immediately Dangerous to Life or Health (IDLH) concentrations;
- High relative humidity; and
- If contaminant levels exceed designated use concentrations.

7.0 AIR MONITORING

7.1 General

Continuous, real-time air monitoring for VOCs and particulate matter at the perimeter of the construction area will be performed by Langan during excavation, earthwork, and soil disturbance activities. Soil disturbance activities include, but are not limited to, soil/fill material excavation, screening of soil/fill material handling, stockpiling and loading, grading, trenching, soldier pile installation, and lagging.

In addition, Langan field personnel will monitor atmospheric conditions in the breathing zone during construction activities (as necessary) to identify potentially hazardous environments, determine reference or background concentrations, determine the appropriate level of PPE to be worn by Langan field personnel, and define work zones. Air monitoring will be performed at the breathing zone. Upgrades/downgrades to PPE will be made based on air monitoring results in the breathing zone. In general, work shall be initiated in Level D PPE with a contingency to

upgrade the level of PPE based on exceedances of action levels.

7.2 Instrumentation

Langan field personnel will be equipped with a RAE Systems MultiRAE 2000 or 3000 with a 10.6eV lamp (photoionization detector) and a MIE pdr-1000 Personal Data Ram (aerosol monitor). The PID will be used to monitor levels of total VOCs. The PDR will be used to monitoring levels of aerosols (particulate matter). The PDR *may* be used for ground intrusive activities. Instruments will be calibrated before each use; calibration readings will be recorded in the field log book. The PID must be calibrated daily in accordance with the manufacturer's specifications. The PID calibration typically requires the use of a span gas (e.g., 100 ppm isobutylene) and zero gas (e.g., fresh air). Be sure that all the required calibration equipment and supplies are provided with the PID (e.g., span gas cylinder, regulator, tubing, and Tedlar™ bag).

7.3 Community Air Monitoring Plan

The CAMP requires continuous, real-time air monitoring for VOCs and particulate matter at the perimeter of the construction area during excavation, earthwork, and soil disturbance activities. Soil disturbance activities include, but are not limited to, soil/fill material excavation, screening of soil/fill material handling, stockpiling and loading, grading, trenching, soldier pile installation, and lagging.

VOC Monitoring, Action Levels, Responses

Concentrations of VOCs will be monitored at the upwind and downwind site perimeter on a continuous basis during soil disturbance activities. Upwind concentrations will be used to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated daily. The equipment will be equipped with an audible alarm to indicate exceedance of the action levels described below. The equipment will be programmed to record 15-minute average concentrations, which will be compared to the levels specified below:

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total

organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the work area or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less, but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the site perimeter, activities will be shut down.

The 15-minute average readings will be recorded and presented in the daily reports. Instantaneous readings, if any, will also be recorded by Langan field staff on routine inspection of CAMP stations and used for decision-making purposes.

Particulate Monitoring, Action Levels, Responses

Concentrations of particulate matter will be monitored continuously at the upwind and downwind site perimeters during soil disturbance activities. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers (PM10) in size. The equipment will be calibrated daily. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. The equipment will be programmed to record 15-minute average concentrations, which will be compared to the levels specified below:

- If the downwind PM10 particulate level is 100 micrograms per cubic meter ($\mu g/m^3$) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM10 particulate levels do not exceed 150 $\mu g/m^3$ above the upwind concentration and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM10 particulate levels are greater than 150 μg/m^3 above the upwind level, work will be stopped and work activities will be reevaluated. Work will resume provided dust suppression measures and other controls are successful in reducing the downwind PM10 particulate concentration to within 150 μg/m^3 of the upwind concentration and in preventing visible migration of dust off-site.

In addition, to continuous, real-time monitoring of particulate matter, fugitive dust migration will be visually assessed during all soil disturbance activities by Langan field staff. The 15-minute average readings will be recorded and presented in the daily reports. Instantaneous readings, if any, will also be recorded by Langan field staff on routine inspection of CAMP stations and used for decision-making purposes.

7.4 Major Vapor Emissions and Response Plan

If any organic levels greater than 5 ppm over background are identified 200 feet downwind from the site, or half the distance to the nearest residential or commercial property, whichever is less, all work activities must be halted or odor controls must be implemented.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest residential or commercial property from the hot zone, the air quality must be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20-foot zone).

The Major Vapor Emission Response Plan shall be implemented if either of the following criteria is exceeded in the 20-foot zone:

- Sustained organic vapor levels approaching 5 ppm above background for a period of more than 30 minutes; or

- Organic vapor levels greater than 5 ppm above background for any time period.

If conditions warrant the activation of the Major Vapor Emission Response Plan, the following activities shall be performed:

- The HSO shall immediately contact the local police authority and inform the police of the

situation;

- Air monitoring shall be conducted at 30-minute intervals within the 20-foot zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the HSO; and

- Emergency contacts will be contacted and informed (as necessary).

8.0 SITE CONTROL

8.1 Work Zones

The need to formally establish specific work zones (e.g., support zone, contamination reduction zone, and exclusion zone) during work activities will be determined by the HSO. The support zone is any area of the Site that is outside of the exclusion and contamination reduction zones. The contamination reduction zone is the area between the exclusion and support zones that provides a transition between contaminated and clean areas. The exclusion zone is any area of the Site where hazardous substances are present, or are reasonably suspected to be present, and pose an exposure hazard to personnel.

8.2 General Safe Work Practices

Hazards should be controlled at Site areas by limiting entrance to exclusion zones to essential personnel and by implementing the following rules:

- Non-essential (as judged by the HSO) personnel and unauthorized persons shall not enter the exclusion or decontamination zone;

- Before entering the exclusion or decontamination zones, all personnel should be familiar with emergency response procedures, site safety locations, first aid and communication equipment, and the location of the map to the hospital and the list of emergency telephone numbers;

- The buddy system should be used at all times by field personnel in the exclusion zone; no one is to perform work within the exclusion zone alone. When in Level D or C, visual contact or radio contact should be maintained at all times;

- Contact with contaminated and potentially contaminated surfaces should be avoided.

Walk around (not through) puddles and discolored surfaces. Do not kneel on the ground or place equipment on the ground. Protect equipment from contamination;

- No open flames in the work zone;
- Always use the appropriate level of personal protective equipment (PPE)
- Report any unusual conditions;
- Work areas will be kept clear and uncluttered. Debris and other slip, trip, and fall hazards will be removed as frequently as possible;
- The number of personnel and equipment in the work zone will be kept to an essential minimum;
- Be alert to the symptoms of fatigue and heat/cold stress and their effects on the normal caution and judgment of personnel;
- All personnel exiting the exclusion zone should exercise the decontamination procedures described in this HASP;
- Beards or other facial hair that interferes with respirator fit will preclude admission to the exclusion zone.
- Each worker will be supplied with and maintain his/her own personal protective equipment.
- No person will eat, drink, or chew gum or tobacco in potentially contaminated areas. Single portion drink containers and drinking of replacement fluids for heat stress control will be permitted only in support areas;
- Smoking is prohibited by Langan personnel and subcontractors in all areas of the Site because of the potential for contaminating samples and for the health of the field team; and

8.3 Site Safety Meetings

Langan personnel will be given briefings by the HSO on a daily or as-needed basis to further assist personnel in conducting the work activities safely. Briefings will be provided when new

activities are to be conducted, new staff enters the Site, changes in work practices are to be implemented due to new information, or if Site or environmental conditions change. Briefings will also be given to facilitate conformance with prescribed safe practices when performance deficiencies are identified during routine daily activities or as a result of jobsite safety inspections. The jobsite safety inspection form is included as Appendix E. The site safety meeting form is included as Appendix F.

8.4 Site Communications

Each field team will carry a cell phone or satellite phone that is in good working order. If there is any type of emergency that requires the site to be evacuated (e.g., severe thunderstorm with lightening), the field team leader will lead the team to the predetermined emergency assembly location. All other emergency notifications that do not require evacuation will be conducted using a cell phone or satellite. Emergency phone numbers are listed above in Section 2.3.

8.5 Buddy System

The buddy system will be used at the Site at all times. The buddy system is a system of organizing employees into field teams in such a manner that each employee of the field team is designated to be observed by at least one other employee in the field team. The purpose of the buddy system is to provide rapid assistance to employees in the event of an emergency.

8.6 Personnel Hygiene

The following personnel hygiene practices will be used at the Site to reduce exposure to hazards:

- Long hair will be secured away from the face so it does not interfere with any work activities;
- Personnel leaving potentially contaminated areas will wash their hands, forearms and faces in the contamination reduction zone prior to entering any clean areas or eating areas.
- Personnel leaving potentially contaminated areas will shower (including washing hair) and change to clean clothing as soon as possible after leaving the Site.
- No person will eat, drink, or chew gum or tobacco in potentially contaminated areas. Single portion drink containers and drinking of replacement fluids for heat stress control

will be permitted only in support areas.

- Smoking is prohibited by Langan personnel and subcontractors in all areas of the Site because of the potential for contaminating samples and for the health of the field team.

8.7 Decontamination

Personnel, clothing, equipment, and samples leaving a contaminated area of the Site must be decontaminated. Decontamination for this operation is achieved through physical removal and chemical detoxification/disinfection/sterilization. The first step in decontamination is prevention. Detailed procedures for personnel and equipment decontamination are provided in Appendix G. The following standard operating procedures were established to minimize contact with wastes:

- Wear disposable clothing;
- Practice work habits that minimize contact with hazardous or potentially hazardous substances;
- Use disposable equipment, where appropriate.

Boots and other potentially contaminated garments that have come in contact with hazardous materials should be cleaned in wash tubs with detergent/water solution and rinsed with water and should remain on-Site. Decontamination waste (e.g. solutions, etc.) resulting from the decontamination of field equipment (e.g., sampling equipment, etc.) will be collected, containerized in tightly-sealed, well-marked drums, characterized, and properly disposed of. Disposable contaminated clothing and equipment will be collected in plastic bags, containerized in tightly-sealed, well-marked drums, and properly disposed of.

8.8 Standing Orders

The site safe practices (i.e., standing orders) for the project are included in Appendix H.

9.0 HEALTH AND SAFETY TRAINING AND MEDICAL SURVEILLANCE

The completion of an initial 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training program (or its equivalent) as detailed in OSHA's 29 CFR 1910.120(e) is required for all employees who will perform work in areas where the potential exposure to hazardous substances exists. Annual 8-hour refresher training is also required to maintain competencies to ensure a safe work environment. In addition to these training requirements, supervisory personnel must also receive eight additional hours of specialized management training. Training records are maintained by the HSM.

The HSO shall inform Langan employees about the activities, procedures, monitoring, and equipment for Site operations (including site and facility layout, chemical and physical hazards, emergency services at the site, and the provisions set forth in the HASP).

9.1 Respirator Fit Testing Requirements

Langan personnel who may be required to perform work activities while wearing a respirator must receive medical clearance to do so consistent with 29 CFR 1910.134(e), Respiratory Protection. Medical evaluations will be performed by, or under the direction of, a physician board-certified in occupational medicine. Langan employees who have medical clearance to wear a respirator and could be potentially exposed to hazardous substances at the Site shall possess a full face-piece, air-purifying respirator and have been successfully quantitative fit-tested within the past year. Results of medical evaluations and quantitative fit-test records are maintained by the HSM.

9.2 Medical Monitoring Requirements

Langan personnel who will be performing work activities involving potential exposure hazardous substances will be required to have passed an initial baseline medical examination, with annual follow-up medical exams thereafter, consistent with 29 CFR 1910.120(f). Medical evaluations will be performed by, or under the direction of, a physician board-certified in occupational medicine.

9.3 Confined Space Entry

Entry into confined space is not anticipated as part of the Remedial Investigation. If a project area were identified as a confined space, entry into this confined space by Langan personnel is prohibited by its own policy.

10.0 HEALTH AND SAFETY PLAN APPROVAL

By their signature, the undersigned certify that this HASP is approved.

_____ _____
Gerry Nicholls, Project Manager (PM) Date

_____ _____
Tony Moffa, CHMM, Health & Safety Manager (HSM) Date

_____ _____
Gregory Wyka, Site Health & Safety Officer (HSO) Date

11.0 CHASP COMPLIANCE AGREEMENT

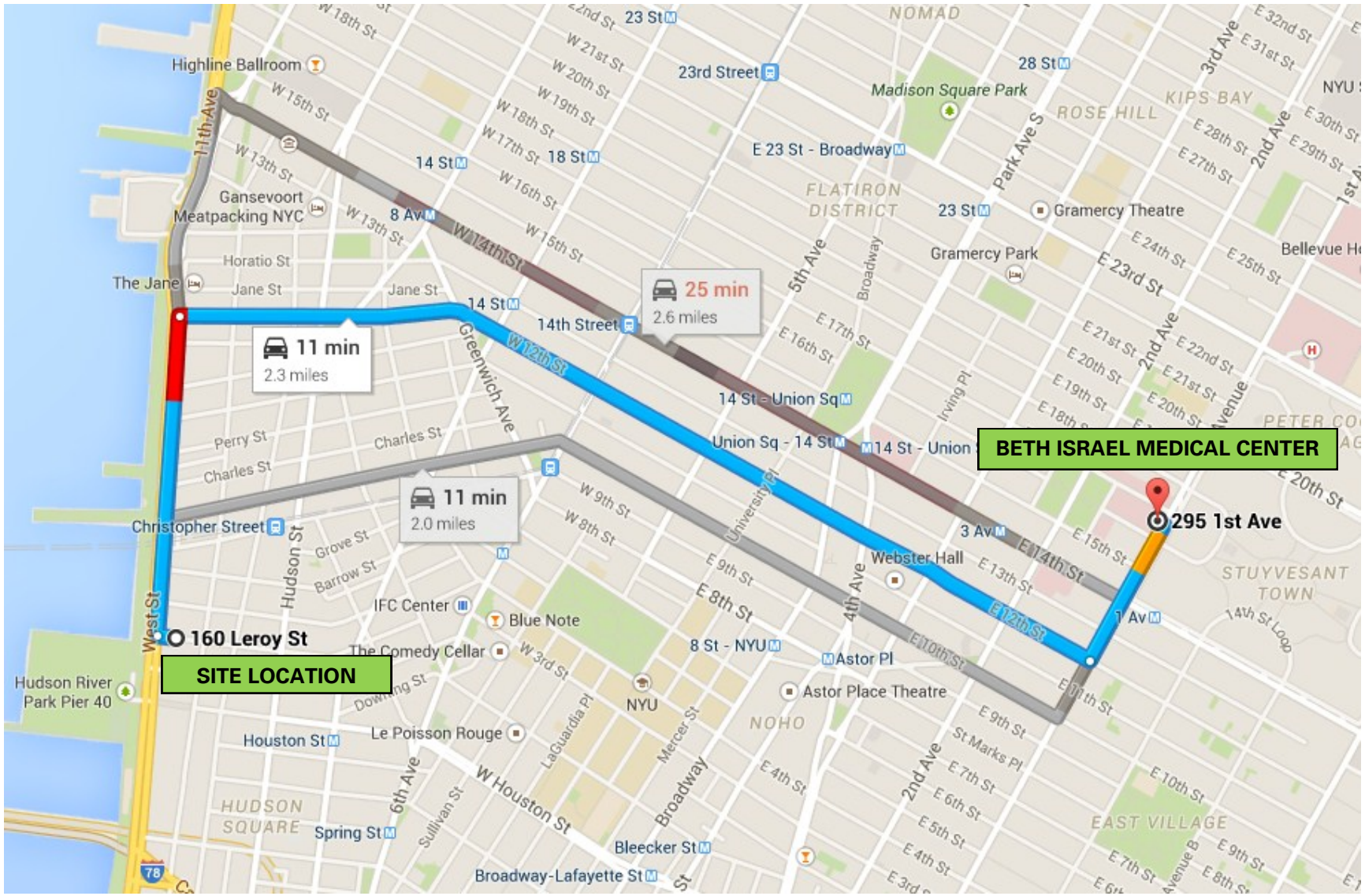
All Langan field personnel and subcontractors who enter the Site will sign this CHASP Compliance Agreement to indicate that they are familiar with this CHASP and that they understand it and agree to abide by it. A copy of this CHASP must be on-site at all times and must be maintained by the HSO.

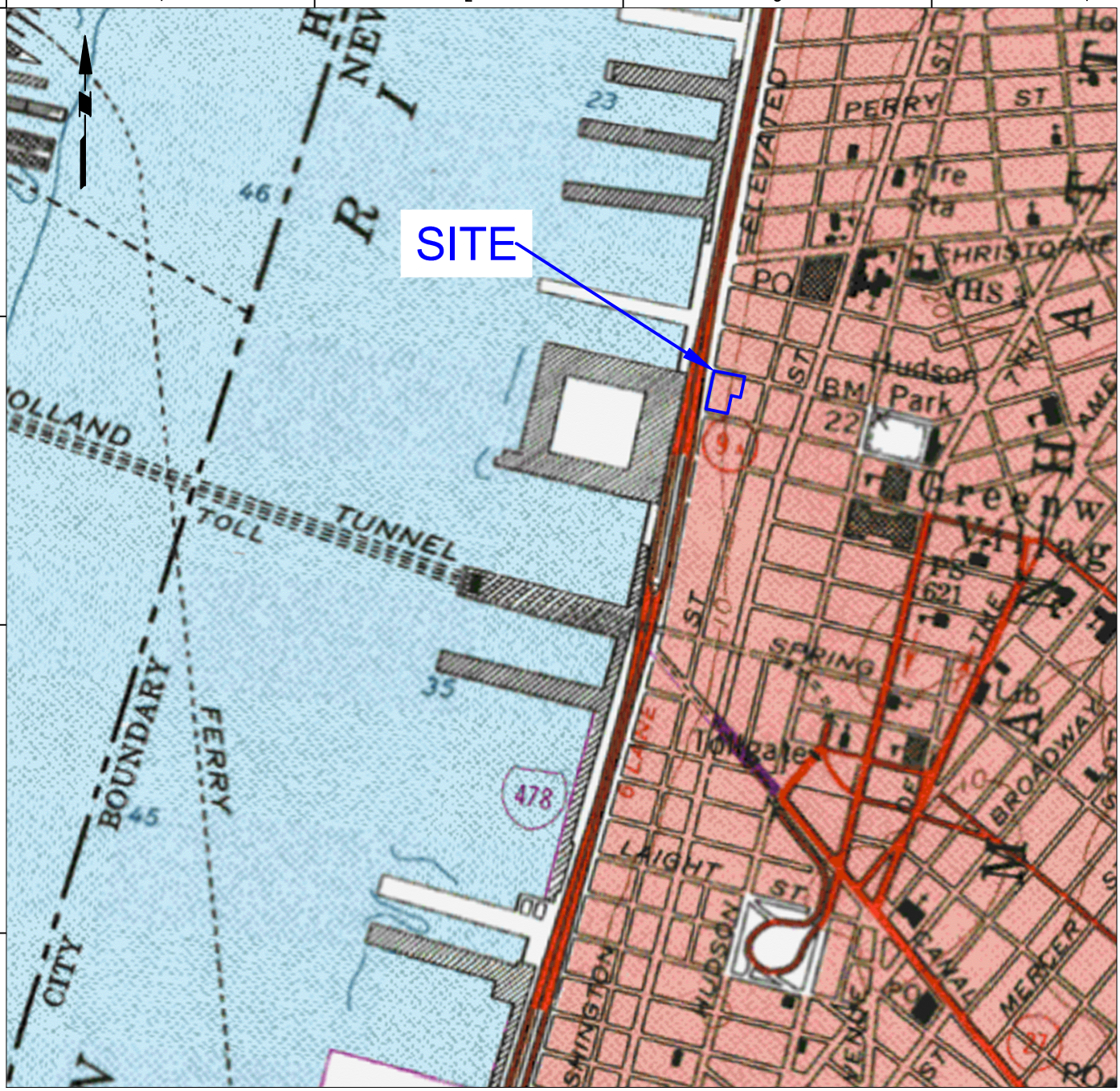
Printed Name	Signature	Affiliation	Date

FIGURES

FIGURE 1

ROUTE MAP TO HOSPITAL (BETH ISRAEL MEDICAL CENTER)





LEGEND

APPROXIMATE SITE BOUNDARY

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

SOURCE: USGS TOPOGRAPHIC QUADRANGLE JERSEY CITY, NJ (1981)

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Langan Engineering and Environmental Services, Inc.
Langan International LLC
Collectively known as Langan

Project	Drawing Title	Project No.	Drawing No.
160 LEROY STREET BLOCK No. 601, LOT No. 10 NEW YORK NEW YORK NEW YORK	SITE LOCATION MAP	170215701	2
		Date 3/31/2015	
		Scale NTS	
		Drawn By GCW	
		Submission Date	Sheet 2 of 3

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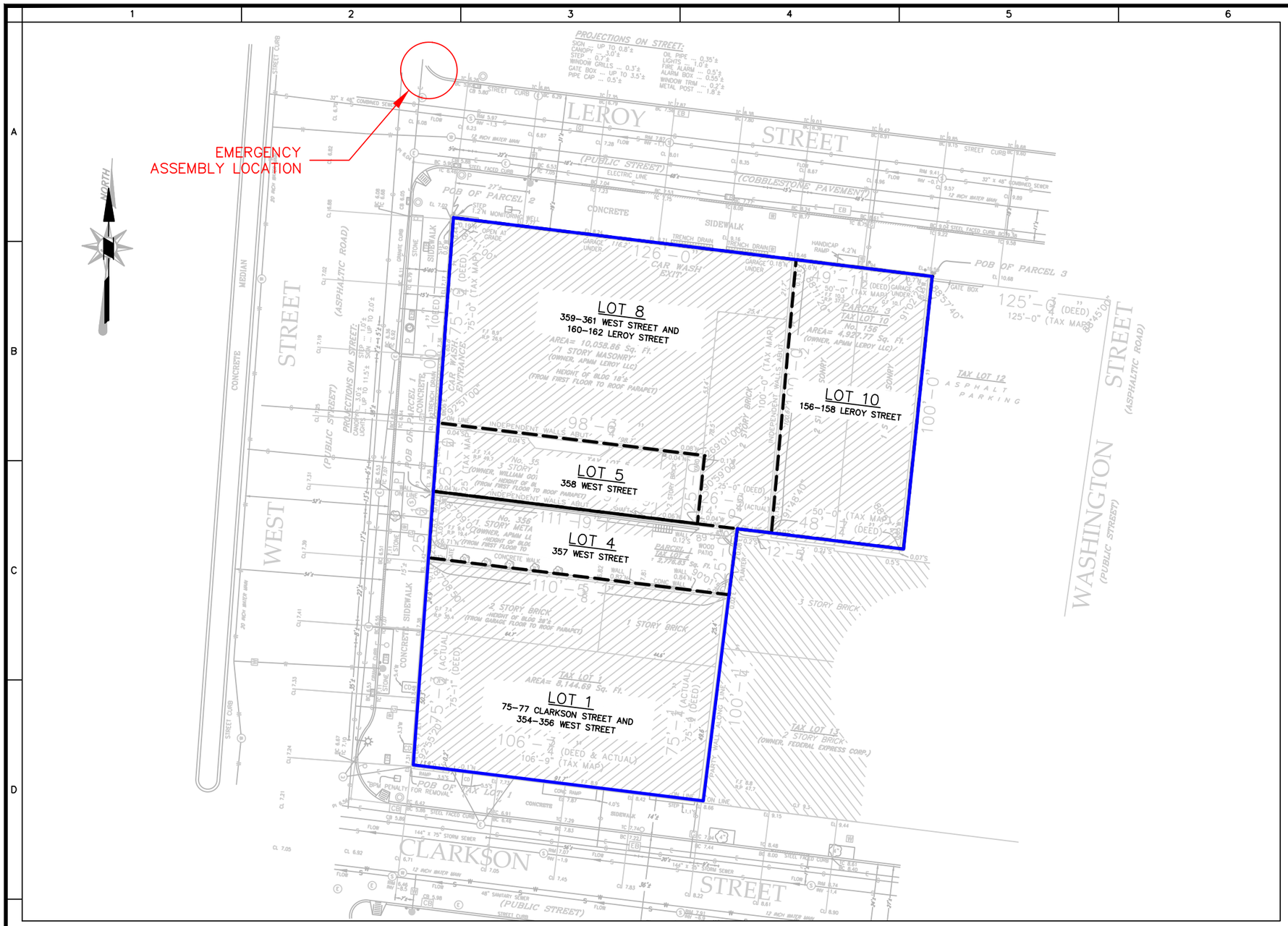

LEGEND

APPROXIMATE SITE BOUNDARY

APPROXIMATE FORMER TAX LOT BOUNDARY

GENERAL NOTES

1. BASE MAP SOURCE: SURVEY BY NY LAND SURVEYOR, P.C. (AUGUST 20, 2014).
2. DATUM IS NATIONAL VERTICAL DATUM OF 1988. DATUM REFERS TO THE NATIONAL VERTICAL DATUM OF 1988 (NAVD88), WHICH IS APPROXIMATELY 1.1 FEET ABOVE MEAN SEA LEVEL DATUM AT SANDY HOOK, NEW JERSEY AS DEFINED BY THE UNITED STATES GEOLOGICAL SURVEY (USGS NGVD 1929)

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

40 0 20 40

SCALE IN FEET

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International LLC

Collectively known as Langan

Project

160 LEROY STREET

BLOCK No. 601, LOT No. 10
(former Lots 1,4,5,8, and 10)
NEW YORK

NEW YORK NEW YORK

Drawing Title

SITE PLAN

Project No. 170215701	Drawing No. 3
Date 3/31/2015	
Scale 1" = 40'	
Drawn By GCW	
Submission Date	Sheet 3 of 3

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Filename: \\langan.com\data\NY\data7\170215701\Cadd Data - 170215701\SheetFiles\Environmental\Remedial Action Plan\CHASP\Site Plan - CHASP.dwg Date: 3/31/2015 Time: 15:38 User: gwyka Style Table: Langan.stb Layout: ANSIB-BL

APPENDIX A

OSHA RIGHT-TO-KNOW FACT SHEET

You Have a Right to a Safe and Healthful Workplace.

IT'S THE LAW!

- You have the right to notify your employer or OSHA about workplace hazards. You may ask OSHA to keep your name confidential.
- You have the right to request an OSHA inspection if you believe that there are unsafe and unhealthful conditions in your workplace. You or your representative may participate in the inspection.
- You can file a complaint with OSHA within 30 days of discrimination by your employer for making safety and health complaints or for exercising your rights under the *OSH Act.*
- You have a right to see OSHA citations issued to your employer. Your employer must post the citations at or near the place of the alleged violation.
- Your employer must correct workplace hazards by the date indicated on the citation and must certify that these hazards have been reduced or eliminated.
- You have the right to copies of your medical records or records of your exposure to toxic and harmful substances or conditions.
- Your employer must post this notice in your workplace.

The *Occupational Safety and Health Act of 1970 (OSH Act),* P.L. 91-596, assures safe and healthful working conditions for working men and women throughout the Nation. The Occupational Safety and Health Administration, in the U.S. Department of Labor, has the primary responsibility for administering the *OSH Act.* The rights listed here may vary depending on the particular circumstances. To file a complaint, report an emergency, or seek OSHA advice, assistance, or products, call 1-800-321-OSHA or your nearest OSHA office: • Atlanta (404) 562-2300 • Boston (617) 565-9860 • Chicago (312) 353-2220 • Dallas (214) 767-4731 • Denver (303) 844-1600 • Kansas City (816) 426-5861 • New York (212) 337-2378 • Philadelphia (215) 861-4900 • San Francisco (415) 975-4310 • Seattle (206) 553-5930. Teletypewriter (TTY) number is 1-877-889-5627. To file a complaint online or obtain more information on OSHA federal and state programs, visit OSHA's website at **www.osha.gov**. If your workplace is in a state operating under an OSHA-approved plan, your employer must post the required state equivalent of this poster.

1-800-321-OSHA
www.osha.gov

U.S. Department of Labor • Occupational Safety and Health Administration • OSHA 3165

APPENDIX B

EMPLOYEE EXPOSURE / INJURY INCIDENT REPORT

INCIDENT REPORT

LANGAN EMPLOYEE EXPOSURE/INJURY INCIDENT REPORT
(Submit a Separate Report for Each Employee and/or Incident)

Date: _____

Employee Name:_____ Employee No:_____

Sex: M _____ F _____ Age: _____

Region: _____ Location:_____

Project: _____ Project No: _____

Incident:_____

Type: Possible Exposure _____ Exposure _____ Physical Injury _____

Location: _____

Date of Incident: _____ Time of Incident: _____

Date of Report Incident: _____

Person(s) to Whom Incident was Reported: _____

Weather Conditions During Incident: Temperature _____ Humidity _____

Wind Speed and Direction: _____ Cloud Cover: _____

Clear: _____ Precipitation: _____

Materials Potentially Encountered: _____

Chemical (give name of description - liquid, solid, gas, vapor, fume, mist):

_____

_____

Radiological:_____

Other: _____

Nature of the Exposure/Injury: (State the nature of the exposure/injury in detail and list the parts of the body affected. Attach extra sheets if necessary).

_____

_____

_____

_____

_____

Did you receive medical care? Yes _____ No _____ If so, when _____

Where? On-Site _____ Off-Site _____

By Whom: Name of Paramedic: _____

Name of Physician: _____

Other: _____

If Off-Site, name facility (hospital, clinic, etc):_____

_____

Length of stay at the facility?_____

Was the Site Safety Officer contacted? Yes _____ No _____ When?_____

Was the Corporate Health and Safety Officer contacted? Yes _____ No _____

If so, who was the contact?_____

Did the exposure/injury result in permanent disability? Yes _____ No _____

If so, explain:_____

_____

_____

_____

Has the employee returned to work? Yes _____ No _____

List the names of other persons affected during this incident:

_____

_____

_____

_____

List the names of persons who witnessed the exposure/injury incident:

_____

_____

_____

_____
_____
_____
_____

Possible cause of the exposure/injury incident: _____

_____
_____
_____
_____
_____

What was the name and title of the field team leader or immediate supervisor at the site of the incident?

_____

Was the operation being conducted under an established Health and Safety Plan?

Yes _____ No _____ If yes, attach a copy. If no, explain

_____
_____
_____
_____

Describe protective equipment and clothing used by the employee:

_____
_____
_____
_____
_____
_____

Did any limitations in safety equipment or protective clothing contribute to or affect exposure? If so, explain:

_____
_____

What was the employee doing when the exposure/injury occurred? (Describe briefly as Site Reconnaissance, Site Characterization, or Sampling, etc.):

_____
_____
_____
_____
_____
_____

Where exactly on site or off site did the exposure/injury occur?

_____

_____

_____

_____

_____

How did the exposure/injury occur? (Describe fully what factors led up to and/or contributed to the incident):

_____

_____

_____

_____

_____

Name of person(s) initiating report, job title, phone number:

_____

_____

_____

_____

_____ _____

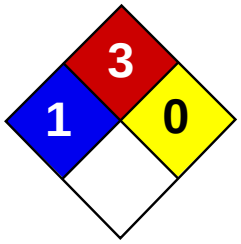
Employee Signature Date

_____ _____

Site Safety Officer Signature or Field Team Leader Signature Date

APPENDIX C

SAFETY DATA SHEETS



Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Methyl ethyl ketone MSDS

Section 1: Chemical Product and Company Identification

Product Name: Methyl ethyl ketone

Catalog Codes: SLM2626, SLM3232

CAS#: 78-93-3

RTECS: EL6475000

TSCA: TSCA 8(b) inventory: Methyl ethyl ketone

CI#: Not applicable.

Synonym: 2-Butanone

Chemical Name: Methyl Ethyl Ketone

Chemical Formula: C4H8O

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Methyl ethyl ketone	78-93-3	100

Toxicological Data on Ingredients: Methyl ethyl ketone: ORAL (LD50): Acute: 2737 mg/kg [Rat]. 4050 mg/kg [Mouse]. DERMAL (LD50): Acute: 6480 mg/kg [Rabbit]. VAPOR (LC50): Acute: 23500 mg/m 8 hours [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation (lung irritant).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Classified POSSIBLE for human. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 404°C (759.2°F)

Flash Points: CLOSED CUP: -9°C (15.8°F). OPEN CUP: -5.5556°C (22°F) (Tag).

Flammable Limits: LOWER: 1.8% UPPER: 10%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Explosive in presence of oxidizing materials, of acids.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards:
Ignition on contact with potassium t-butoxide. Vapor may cause a flash fire

Special Remarks on Explosion Hazards:
Reaction with Hydrogen Peroxide + nitric acid forms heat and shock-sensitive explosive product. Mixture with 2-propanol will produce explosive peroxides during storage.

Section 6: Accidental Release Measures

Small Spill:
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined

areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 200 STEL: 300 (ppm) from ACGIH (TLV) [United States] [1999] TWA: 150 STEL: 300 (ppm) [Australia] TWA: 590 STEL: 885 (mg/m3) from NIOSH TWA: 200 STEL: 300 (ppm) from NIOSH TWA: 590 STEL: 885 (mg/m3) [Canada] TWA: 200 STEL: 300 (ppm) from OSHA (PEL) [United States] TWA: 590 STEL: 885 (mg/m3) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor:
Acetone-like Pleasant. Pungent. Sweetish. (Strong.)

Taste: Not available.

Molecular Weight: 72.12g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 79.6 (175.3°F)

Melting Point: -86°C (-122.8°F)

Critical Temperature: 262.5°C (504.5°F)

Specific Gravity: 0.805(Water = 1)

Vapor Pressure: 10.3 kPa (@ 20°C)

Vapor Density: 2.41 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.25 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 0.3

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility: Soluble in cold water, diethyl ether, acetone.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, mechanical shock, incompatible materials.

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with chloroform, copper, hydrogen peroxide, nitric acid, potassium t-butoxide, 2-propanol, chlorosulfonic acid, strong oxidizers, amines, ammonia, inorganic acids, isocyanates, caustics, pyrindines. Vigorous reaction with chloroform +alkali.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2737 mg/kg [Rat]. Acute dermal toxicity (LD50): 6480 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 32000 mg/m3 4 hours [Mouse].

Chronic Effects on Humans:
MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Classified POSSIBLE for human. May cause damage to the following organs: gastrointestinal tract, upper respiratory tract, skin, eyes, central nervous system (CNS).

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation (lung irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: May cause birth defects based on animal dats. Embryotoxic and/or foetotoxic in animal.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. May be absorbed through the skin. Eyes: Causes eye irritation. Inhalation: Inhalation of high concentrations may cause central nervous effects characterized by headache, dizziness, unconsciousness, and coma. Causes respiratory tract irritation and affects the sense organs. May affect the liver and urinary system. Ingestion: Causes gastrointestinal tract irritation with nausea, vomiting and diarrhea. May affect the liver. Chronic Potential Health Effects: Chronic inhalation may cause effects similar to those of acute inhalation. Prolonged or repeated skin contact may cause defatting and dermatitis.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 3220 mg/l 96 hours [Fathead Minnow]. 1690 mg/l 96 hours [Bluegill].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Ethyl methyl ketone UNNA: 1193 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
New York release reporting list: Methyl ethyl ketone Rhode Island RTK hazardous substances: Methyl ethyl ketone Pennsylvania RTK: Methyl ethyl ketone Minnesota: Methyl ethyl ketone Massachusetts RTK: Methyl ethyl ketone New Jersey: Methyl ethyl ketone California Director's list of Hazardous Substances: Methyl ethyl ketone TSCA 8(b) inventory: Methyl ethyl ketone TSCA 8(d) H and S data reporting: Methyl ethyl ketone: Effective: 10/4/82; Sunset: 10/4/92 SARA 313 toxic chemical notification and release reporting: Methyl ethyl ketone CERCLA: Hazardous substances.: Methyl ethyl ketone: 5000 lbs. (2268 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R36/37- Irritating to eyes and respiratory system. S9- Keep container in a well-ventilated place. S16- Keep away from sources of ignition - No smoking. S25- Avoid contact with eyes. S33- Take precautionary measures against static discharges.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:39 PM

Last Updated: 11/01/2010 12:00 PM

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SAFETY DATA SHEET

Version 5.3
Revision Date 03/04/2015
Print Date 04/13/2015

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name	:	3-Methylphenol
Product Number	:	442391
Brand	:	Supelco
Index-No.	:	604-004-00-9
CAS-No.	:	108-39-4

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	:	Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052

1.4 Emergency telephone number

Emergency Phone #	:	(314) 776-6555

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Flammable liquids (Category 4), H227
Acute toxicity, Oral (Category 3), H301
Skin corrosion (Category 1B), H314
Serious eye damage (Category 1), H318
Acute aquatic toxicity (Category 2), H401

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word: Danger

Hazard statement(s)

H227	Combustible liquid.
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310 + P330	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P310	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
P363	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms	:	m-Cresol 3-Methylphenol
Formula	:	C_7H_8O
Molecular weight	:	108.14 g/mol
CAS-No.	:	108-39-4
EC-No.	:	203-577-9
Index-No.	:	604-004-00-9

Hazardous components

Component	Classification	Concentration
m-Cresol		
	Flam. Liq. 4; Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Aquatic Acute 2; H227, H301, H314, H401	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.Continue rinsing eyes during transport to hospital.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Keep away from sources of ignition - No smoking.Take measures to prevent the build up of electrostatic charge.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage class (TRGS 510): Non-combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
m-Cresol	108-39-4	TWA	5.000000 ppm	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Eye, skin, & Upper Respiratory Tract irritation Adopted values or notations enclosed are those for which changes are proposed in the NIC 2010 Revision or addition to the notice of intended changes See Notice of Intended Changes (NIC) Danger of cutaneous absorption		
		TWA	2.300000 ppm 10.000000 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	20.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		Upper Respiratory Tract irritation Not classifiable as a human carcinogen Danger of cutaneous absorption		

8.2 Exposure controls

Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection
Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Chloroprene
Minimum layer thickness: 0.6 mm
Break through time: 480 min
Material tested:Camapren® (KCL 722 / Aldrich Z677493, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.2 mm
Break through time: 32 min
Material tested:Dermatril® P (KCL 743 / Aldrich Z677388, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: liquid
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	Melting point/range: 8 - 10 °C (46 - 50 °F) - lit.
f)	Initial boiling point and boiling range	203 °C (397 °F) - lit.
g)	Flash point	86 °C (187 °F) - closed cup
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	Upper explosion limit: 1.35 %(V) Lower explosion limit: 1.06 %(V)
k)	Vapour pressure	< 1 hPa (< 1 mmHg) at 20 °C (68 °F)
l)	Vapour density	3.73 - (Air = 1.0)
m)	Relative density	1.034 g/cm3 at 25 °C (77 °F)
n)	Water solubility	No data available
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

9.2 Other safety information

Relative vapour density	3.73 - (Air = 1.0)

10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
Heat, flames and sparks.

10.5 Incompatible materials
Oxidizing agents, Bases

10.6 Hazardous decomposition products

Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - Rat - 242 mg/kg
Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Convulsions or effect on seizure threshold. Gastrointestinal:Peritonitis.

Inhalation: No data available

LD50 Dermal - Rabbit - 2,050 mg/kg
Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation. Behavioral:Convulsions or effect on seizure threshold. Gastrointestinal:Changes in structure or function of salivary glands.

No data available

Skin corrosion/irritation
Skin - Rabbit
Result: Causes burns. - 24 h

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Severe eye irritation

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS: GO6125000

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., Cough, Shortness of breath, Headache, Nausea

Stomach - Irregularities - Based on Human Evidence
Stomach - Irregularities - Based on Human Evidence

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 8.9 mg/l - 96 h
	LC50 - Salvelinus fontinalis - 7.6 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	LC50 - Daphnia magna (Water flea) - 18.8 mg/l - 48 h
	EC50 - Daphnia magna (Water flea) - 25 mg/l - 24 h

12.2 Persistence and degradability

Biodegradability	Biotic/Aerobic - Exposure time 10 d Result: 96 % - Readily biodegradable Biotic/Aerobic - Exposure time 28 d Result: > 90 % - Readily biodegradable

12.3 Bioaccumulative potential

Bioaccumulation	Leuciscus idus (Golden orfe) - 3 d - 50 µg/l Bioconcentration factor (BCF): 17 Leuciscus idus (Golden orfe) Bioconcentration factor (BCF): 20

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

UN number: 2076 Class: 6.1 (8) Packing group: II
Proper shipping name: Cresols, liquid
Reportable Quantity (RQ): 100 lbs

Poison Inhalation Hazard: No

IMDG

UN number: 2076 Class: 6.1 (8) Packing group: II EMS-No: F-A, S-B
Proper shipping name: CRESOLS, LIQUID

IATA

UN number: 2076 Class: 6.1 (8) Packing group: II
Proper shipping name: Cresols, liquid

15. REGULATORY INFORMATION

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
m-Cresol	108-39-4	2007-07-01

SARA 311/312 Hazards
Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
m-Cresol	108-39-4	2007-07-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
m-Cresol	108-39-4	2007-07-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
m-Cresol	108-39-4	2007-07-01

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Eye Dam.	Serious eye damage
Flam. Liq.	Flammable liquids
H227	Combustible liquid.
H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

HMIS Rating

Health hazard:	3
Chronic Health Hazard:	*
Flammability:	2
Physical Hazard	0

NFPA Rating

Health hazard:	3
Fire Hazard:	2
Reactivity Hazard:	0

Further information
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Preparation Information
Sigma-Aldrich Corporation
Product Safety – Americas Region
1-800-521-8956

Version: 5.3 Revision Date: 03/04/2015 Print Date: 04/13/2015

Material Safety Data Sheet

Version 5.0
Revision Date 08/03/2012
Print Date 05/02/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	4,4′-DDD
Product Number	:	35486
Brand	:	Fluka
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Toxic by ingestion, Harmful by skin absorption., Possible carcinogen.

GHS Classification
Acute toxicity, Dermal (Category 4)
Acute toxicity, Oral (Category 3)
Carcinogenicity (Category 2)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 4)

GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H301	Toxic if swallowed.
H312	Harmful in contact with skin.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

HMIS Classification

Health hazard:	2
Chronic Health Hazard:	*
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard:	2
Fire:	0
Reactivity Hazard:	0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	Toxic if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms	:	1,1-Dichloro-2,2-bis(4-chlorophenyl)ethane TDE
Formula	:	$C_{14}H_{10}Cl_4$
Molecular Weight	:	320.04 g/mol

Component		Concentration
2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane		
CAS-No. EC-No.	72-54-8 200-783-0	-

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	94.0 - 96.0 °C (201.2 - 204.8 °F)
Boiling point	193.0 °C (379.4 °F) at 1.3 hPa (1.0 mmHg)
Flash point	no data available
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	< 0.00001 hPa (< 0.00001 mmHg) at 25.0 °C (77.0 °F)

Density	1.38 g/cm3
Water solubility	no data available
Partition coefficient: n-octanol/water	log Pow: 6.02
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Materials to avoid
Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral - Hamster - > 5,000 mg/kg

TDLo Oral - Human - 428.5 mg/kg
Remarks: Endocrine:Adrenal cortex hypoplasia.

TDLo Oral - rat - 6,000 mg/kg
Remarks: Cardiac:Other changes. Gastrointestinal:Other changes. Kidney, Ureter, Bladder:Changes in both tubules and glomeruli.

TDLo Oral - rat - 14 mg/kg
Remarks: Liver:Changes in liver weight. Endocrine:Estrogenic. Musculoskeletal:Other changes.

TDLo Oral - rat - 2,100 mg/kg
Remarks: Behavioral:Altered sleep time (including change in righting reflex).

Inhalation LC50
no data available

Dermal LD50
LD50 Dermal - rabbit - 1,200 mg/kg
Remarks: Behavioral:Excitement. Behavioral:Convulsions or effect on seizure threshold. Skin irritation

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	Toxic if swallowed.
Skin	May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: KI0700000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - other fish - 1.18 - 9 mg/l - 96.0 h
	LC50 - Lepomis macrochirus (Bluegill) - 0.04 - 0.05 mg/l - 96.0 h
	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.06 - 0.09 mg/l - 96.0 h
	LC50 - Pimephales promelas (fathead minnow) - 3.47 - 5.58 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia pulex (Water flea) - 0.01 mg/l - 48 h

Persistence and degradability
no data available

Bioaccumulative potential
Indication of bioaccumulation.

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solids, organic, n.o.s. (2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane)
Reportable Quantity (RQ): 1 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 2811 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane)
Marine pollutant: No

IATA
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solid, organic, n.o.s. (2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane)

15. REGULATORY INFORMATION

OSHA Hazards
Toxic by ingestion, Harmful by skin absorption., Possible carcinogen.

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane	72-54-8	2009-07-17

New Jersey Right To Know Components

	CAS-No.	Revision Date
2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane	72-54-8	2009-07-17

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause cancer. 2,2-bis(4-Chlorophenyl)-1,1-dichloro-ethane	72-54-8	

16. OTHER INFORMATION

Further information
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Material Safety Data Sheet

Version 5.0
Revision Date 10/26/2012
Print Date 05/02/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	4,4′-DDE
Product Number	:	35487
Brand	:	Fluka
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Carcinogen, Harmful by ingestion.

GHS Classification
Acute toxicity, Oral (Category 4)
Carcinogenicity (Category 2)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 4)

GHS Label elements, including precautionary statements

Pictogram

Signal word Warning

Hazard statement(s)

H302	Harmful if swallowed.
H351	Suspected of causing cancer.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P273	Avoid release to the environment.
P281	Use personal protective equipment as required.

HMIS Classification

Health hazard:	1
Chronic Health Hazard:	*
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard:	1
Fire:	0

Reactivity Hazard: 0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	Harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 1,1-Dichloro-2,2-bis(4-chlorophenyl)ethene

Formula : $C_{14}H_8Cl_4$

Molecular Weight : 318.03 g/mol

Component		Concentration
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene		
CAS-No.	72-55-9	-
EC-No.	200-784-6	

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	88.0 - 90.0 °C (190.4 - 194.0 °F)
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	< 0.00001 hPa (< 0.00001 mmHg)
Density	no data available
Water solubility	no data available
Partition coefficient: n-octanol/water	log Pow: 6.51
Relative vapour	no data available

density	
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Materials to avoid
Strong oxidizing agents, Strong bases

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral - rat - 880.0 mg/kg

Inhalation LC50
no data available

Dermal LD50
no data available

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity

no data available

Carcinogenicity

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a

carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	Harmful if swallowed.
Skin	Harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: Not available

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - Lepomis macrochirus (Bluegill) - 0.2 - 0.3 mg/l - 96.0 h
	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.03 - 0.04 mg/l - 96.0 h
	LC50 - Salmo salar (Atlantic salmon) - 0.05 - 0.18 mg/l - 96.0 h

Persistence and degradability
no data available

Bioaccumulative potential

Bioaccumulation	Gambusia affinis (Mosquito fish) - 33 d Bioconcentration factor (BCF): 12,037

Mobility in soil
no data available

PBT and vPvB assessment

no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substances, solid, n.o.s. (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)
Reportable Quantity (RQ): 1 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)
Marine pollutant: Marine pollutant

IATA
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene)

15. REGULATORY INFORMATION

OSHA Hazards
Carcinogen, Harmful by ingestion.

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	72-55-9	2009-07-17

New Jersey Right To Know Components

	CAS-No.	Revision Date
2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	72-55-9	2009-07-17

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause cancer. 2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	72-55-9	2010-06-11

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. 2,2-bis(p-Chlorophenyl)-1,1-dichloroethylene	CAS-No. 72-55-9	Revision Date 2010-06-11

16. OTHER INFORMATION

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Material Safety Data Sheet

Version 5.0
Revision Date 10/11/2012
Print Date 05/02/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	4,4′-DDT
Product Number	:	386340
Brand	:	Aldrich
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Carcinogen, Toxic by ingestion, Toxic by skin absorption

Target Organs

Liver, Pancreas.

GHS Classification
Acute toxicity, Dermal (Category 3)
Acute toxicity, Oral (Category 3)
Carcinogenicity (Category 2)
Specific target organ toxicity - repeated exposure, Oral (Category 1)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 4)

GHS Label elements, including precautionary statements

Pictogram

Signal word Danger

Hazard statement(s)

H301 + H311	Toxic if swallowed or in contact with skin
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H413	May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P314	Get medical advice/ attention if you feel unwell.

HMIS Classification

Health hazard:	2
Chronic Health Hazard:	*
Flammability:	0
Physical hazards:	0

NFPA Rating

Health hazard:	2
Fire:	2
Reactivity Hazard:	0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	Toxic if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	Toxic if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms	:	1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane 1,1-Bis(4-chlorophenyl)-2,2,2-trichloroethane
Formula	:	$C_{14}H_9Cl_5$
Molecular Weight	:	354.49 g/mol

Component		Concentration
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane		
CAS-No. EC-No. Index-No.	50-29-3 200-024-3 602-045-00-7	-

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Not flammable or combustible.

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	TWA	0.5 mg/m3	USA. NIOSH Recommended Exposure Limits
Remarks	Potential Occupational Carcinogen See Appendix A			
		TWA	1 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
	Liver damage Confirmed animal carcinogen with unknown relevance to humans			
		TWA	1 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
	Skin notation			
		TWA	1 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
	Skin designation Substance listed; for more information see OSHA document 1910.1044			

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Immersion protection
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: > 480 min
Material tested:Dermatril® (Aldrich Z677272, Size M)

Splash protection
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: > 30 min
Material tested:Dermatril® (Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 873000, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	no data available

Safety data

pH	no data available
Melting point/freezing point	Melting point/range: 107 - 110 °C (225 - 230 °F) - lit.
Boiling point	260.0 °C (500.0 °F)
Flash point	72.0 - 77.0 °C (161.6 - 170.6 °F)
Ignition temperature	no data available
Autoignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	0.0000021 hPa (0.0000016 mmHg) at 20.0 °C (68.0 °F)
Density	0.99 g/cm3
Water solubility	no data available
Partition coefficient: n-octanol/water	log Pow: 6.91
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
no data available

Materials to avoid
Oxidizing agents, Iron and iron salts.

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral - rat - 87.0 mg/kg

Inhalation LC50
no data available

Dermal LD50
LD50 Dermal - rabbit - 300.0 mg/kg
Remarks: Behavioral:Tremor. Behavioral:Muscle weakness. Behavioral:Ataxia.

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity

no data available

Carcinogenicity

Limited evidence of carcinogenicity in animal studies

NTP:	Reasonably anticipated to be a human carcinogen (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
Ingestion - Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	Toxic if swallowed.
Skin	Toxic if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
CNS stimulation.

Synergistic effects
no data available

Additional Information
RTECS: KJ3325000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 0.01 mg/l - 96.0 h
	LC50 - Lepomis macrochirus (Bluegill) - 0.01 mg/l - 96.0 h
	LC50 - Oncorhynchus mykiss (rainbow trout) - 0.003400 mg/l - 96.0 h
	LOEC - Oncorhynchus mykiss (rainbow trout) - 150 mg/l - 3.0 d
	NOEC - Oncorhynchus mykiss (rainbow trout) - 113 mg/l - 3.0 d
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - 0.00108 mg/l - 48 h
Toxicity to algae	LC100 - Scenedesmus quadricauda (Green algae) - > 20 mg/l - 7 d

Persistence and degradability

Bioaccumulative potential

Bioaccumulation	Oncorhynchus mykiss (rainbow trout) - 20 d Bioconcentration factor (BCF): 46,670

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solids, organic, n.o.s. (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)
Reportable Quantity (RQ): 1 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 2811 Class: 6.1 Packing group: III EMS-No: F-A, S-A
Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)
Marine pollutant: Marine pollutant

IATA
UN number: 2811 Class: 6.1 Packing group: III
Proper shipping name: Toxic solid, organic, n.o.s. (1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane)

15. REGULATORY INFORMATION

OSHA Hazards
Carcinogen, Toxic by ingestion, Toxic by skin absorption

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	2007-03-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	2007-03-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	2007-03-01

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause cancer. 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	1990-06-15

California Prop. 65 Components

	CAS-No.	Revision Date
WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. 1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane	50-29-3	1990-06-15

16. OTHER INFORMATION

Further information
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

SAFETY DATA SHEET

Version 4.9
Revision Date 04/02/2015
Print Date 04/13/2015

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name	:	*p*-Cresol
Product Number	:	W233706
Brand	:	Aldrich
Index-No.	:	604-004-00-9
CAS-No.	:	106-44-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	:	Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052

1.4 Emergency telephone number

Emergency Phone #	:	(314) 776-6555

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute toxicity, Oral (Category 3), H301
Acute toxicity, Dermal (Category 3), H311
Skin corrosion (Category 1B), H314
Serious eye damage (Category 1), H318
Acute aquatic toxicity (Category 2), H401
Chronic aquatic toxicity (Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word: Danger

Hazard statement(s)

H301 + H311	Toxic if swallowed or in contact with skin
H314	Causes severe skin burns and eye damage.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P260	Do not breathe dust or mist.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P322	Specific measures (see supplemental first aid instructions on this label).
P361	Remove/Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms	:	4-Methylphenol
Formula	:	C_7H_8O
Molecular weight	:	108.14 g/mol
CAS-No.	:	106-44-5
EC-No.	:	203-398-6
Index-No.	:	604-004-00-9

Hazardous components

Component	Classification	Concentration
p-Cresol		
	Acute Tox. 3; Skin Corr. 1B; Eye Dam. 1; Aquatic Acute 2; Aquatic Chronic 2; H301 + H311, H314, H411	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.

hygroscopic Air and light sensitive. Handle and store under inert gas.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
p-Cresol	106-44-5	TWA	2.300000 ppm 10.000000 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	20.000000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Upper Respiratory Tract irritation Not classifiable as a human carcinogen Danger of cutaneous absorption		

8.2 Exposure controls

Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.4 mm
Break through time: 480 min
Material tested:Camatril® (KCL 730 / Aldrich Z677442, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.2 mm
Break through time: 30 min
Material tested:Dermatril® P (KCL 743 / Aldrich Z677388, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: crystalline Colour: colourless
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	Melting point/range: 31 - 37 °C (88 - 99 °F) Melting point/range: 32 - 34 °C (90 - 93 °F) - lit.
f)	Initial boiling point and boiling range	202 °C (396 °F) - lit.
g)	Flash point	85.0 °C (185.0 °F) - closed cup

h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	Lower explosion limit: 1.1 %(V)
k)	Vapour pressure	1.3 hPa (1.0 mmHg) at 20.0 °C (68.0 °F)
l)	Vapour density	No data available
m)	Relative density	1.034 g/cm3 at 25 °C (77 °F)
n)	Water solubility	No data available
o)	Partition coefficient: n-octanol/water	log Pow: 1.94
p)	Auto-ignition temperature	559.0 °C (1,038.2 °F)
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

9.2 Other safety information
No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Oxidizing agents, Bases

10.6 Hazardous decomposition products
Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - Rat - 207.0 mg/kg
Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Olfaction:Other changes. Behavioral:Convulsions or effect on seizure threshold. Gastrointestinal:Ulceration or bleeding from stomach.

LC50 Inhalation - Rat - 1 h - > 710 mg/m3

LD50 Dermal - Rabbit - 301.0 mg/kg
Remarks: Behavioral:Tremor. Gastrointestinal:Changes in structure or function of salivary glands. Kidney, Ureter, Bladder:Other changes.

No data available

Skin corrosion/irritation
Skin - Rabbit
Result: Severe skin irritation - 24 h

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Severe eye irritation

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS: GO6475000

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, laryngitis, Dizziness, Cardiovascular effects., Muscle cramps/spasms., Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.

Kidney -

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	LC50 - other fish - 16.00 - 24.00 mg/l - 24 h
	LC50 - Oncorhynchus mykiss (rainbow trout) - 7.9 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	LC50 - Daphnia magna (Water flea) - 1.4 mg/l - 48 h

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
Does not bioaccumulate.

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 3455 Class: 6.1 (8) Packing group: II
Proper shipping name: Cresols, solid
Reportable Quantity (RQ): 100 lbs

Poison Inhalation Hazard: No

IMDG
UN number: 3455 Class: 6.1 (8) Packing group: II EMS-No: F-A, S-B
Proper shipping name: CRESOLS, SOLID

IATA
UN number: 3455 Class: 6.1 (8) Packing group: II
Proper shipping name: Cresols, solid

15. REGULATORY INFORMATION

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
p-Cresol	106-44-5	2007-07-01

SARA 311/312 Hazards
Acute Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
p-Cresol	106-44-5	2007-07-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
p-Cresol	106-44-5	2007-07-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
p-Cresol	106-44-5	2007-07-01

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Eye Dam.	Serious eye damage
H301	Toxic if swallowed.
H301 + H311	Toxic if swallowed or in contact with skin
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.

HMIS Rating

Health hazard:	3
Chronic Health Hazard:	
Flammability:	0
Physical Hazard	0

NFPA Rating

Health hazard:	3
Fire Hazard:	2
Reactivity Hazard:	0

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Preparation Information

Sigma-Aldrich Corporation
Product Safety – Americas Region
1-800-521-8956

Version: 4.9 Revision Date: 04/02/2015 Print Date: 04/13/2015

CORNELL

Material Safety Data Sheets

Division of Facilities Services

DOD Hazardous Material Information (ANSI Format)
For Cornell University Convenience Only

ALCONOX

Section 1 - Product and Company Identification	Section 9 - Physical & Chemical Properties
Section 2 - Compositon/Information on Ingredients	Section 10 - Stability & Reactivity Data
Section 3 - Hazards Identification Including Emergency Overview	Section 11 - Toxicological Information
Section 4 - First Aid Measures	Section 12 - Ecological Information
Section 5 - Fire Fighting Measures	Section 13 - Disposal Considerations
Section 6 - Accidental Release Measures	Section 14 - MSDS Transport Information
Section 7 - Handling and Storage	Section 15 - Regulatory Information
Section 8 - Exposure Controls & Personal Protection	Section 16 - Other Information

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Cornell University does not in any way warrant or imply the applicability, viability or use of this information to any person or for use in any situation.

Section 1 - Product and Company Identification
ALCONOX

Product Identification: ALCONOX
Date of MSDS: 08/14/1992 **Technical Review Date:** 09/28/1992
FSC: 6505 **NIIN:** 00-839-8894
Submitter: N EN
Status Code: C
MFN: 01
Article: N
Kit Part: N

Manufacturer's Information

Manufacturer's Name: ALCONOX INC
Manufacturer's Address1: 215 PARK AVE S
Manufacturer's Address2: NEW YORK, NY 10003
Manufacturer's Country: US
General Information Telephone: 212-473-1300
Emergency Telephone: 212-473-1300
Emergency Telephone: 212-473-1300
MSDS Preparer's Name: N/P
Proprietary: N
Reviewed: N
Published: Y
CAGE: 17534
Special Project Code: N

Item Description

Item Name: DETERGENT,SURGICAL INSTRUMENT
Item Manager: NK
Specification Number: NK
Type/Grade/Class: NK
Unit of Issue: NK **Quantitative Expression:** NK
Unit of Issue Quantity: NK
Type of Container:

Contractor Information

Contractor's Name: ALCONOX INC
Contractor's Address1: 9 EAST 40TH STREET, SUITE 200
Contractor's Address2: NEW YORK, NY 10016
Contractor's Telephone: 212-532-4040
Contractor's CAGE: 17534

Section 2 - Compositon/Information on Ingredients
ALCONOX

Ingredient Name: ALCONOX
Ingredient CAS Number: Ingredient CAS Code: X
RTECS Number: RTECS Code: X
=WT: =WT Code:
=Volume: =Volume Code:
>WT: >WT Code:
>Volume: >Volume Code:
<WT: <WT Code:
<Volume: <Volume Code:
% Low WT: % Low WT Code:
% High WT: % High WT Code:
% Low Volume: % Low Volume Code:
% High Volume: % High Volume Code:
% Text: N/K
% Enviromental Weight:
Other REC Limits: N/K
OSHA PEL: NOT APPLICABLE **OSHA PEL Code:** M
OSHA STEL: OSHA STEL Code:

ACGIH TLV: NOT APPLICABLE **ACGIH TLV Code:** M
ACGIH STEL: N/P **ACGIH STEL Code:**
EPA Reporting Quantity:
DOT Reporting Quantity:
Ozone Depleting Chemical:

Section 3 - Hazards Identification, Including Emergency Overview
ALCONOX

Health Hazards Acute & Chronic: PROLONGED EXPOSURE TO DUST MAY IRRITATE MUCOUS MEMBRANES.

Signs & Symptoms of Overexposure:
SEE HEALTH HAZARDS.

Medical Conditions Aggravated by Exposure:
NONE SPECIFIED BY MANUFACTURER.

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route of Entry Indicators:
Inhalation: YES
Skin: NO
Ingestion: NO

Carcenogenicity Indicators
NTP: NO
IARC: NO
OSHA: NO

Carcinogenicity Explanation: NOT RELEVANT

Section 4 - First Aid Measures
ALCONOX

First Aid:
EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN. SKIN: FLUSH WITH PLENTY OF WATER. INGEST: DRINK LARGE QTY OF WATER TO DILUTE MATERIAL. GET MED ATTN FOR DISCOMFORT. INHAL: REMOVE TO FRESH AIR. SU PPORT BRTHG (GIVE O*2/ARTF RESP) (FP N).

Section 5 - Fire Fighting Measures
ALCONOX

Fire Fighting Procedures:
WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).
Unusual Fire or Explosion Hazard:
NONE.
Extinguishing Media:
WATER, CARBON DIOXIDE, DRY CHEMICAL, FOAM SAND/EARTH.
Flash Point: Flash Point Text: NONE

Autoignition Temperature:

Autoignition Temperature Text: N/A
Lower Limit(s): N/A
Upper Limit(s): N/A

Section 6 - Accidental Release Measures
ALCONOX

Spill Release Procedures:
MATERIAL FOAMS PROFUSELY, SHOVEL & RECOVER AS MUCH AS POSSIBLE. RINSE REMAINDER TO SEWER. MATERIAL IS COMPLETELY BIODEGRADABLE.

Section 7 - Handling and Storage
ALCONOX

Handling and Storage Precautions:

Other Precautions:

Section 8 - Exposure Controls & Personal Protection
ALCONOX

Repiratory Protection:
NIOSH/MSHA APPROVED DUST MASK.
Ventilation:
LOCAL EXHAUST: NORMAL.
Protective Gloves:
IMPERVIOUS GLOVES (FP N).
Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).
Other Protective Equipment: NOT REQUIRED.
Work Hygenic Practices: NONE SPECIFIED BY MANUFACTURER.
Supplemental Health & Safety Information: NONE SPECIFIED BY MANUFACTURER.

Section 9 - Physical & Chemical Properties
ALCONOX

HCC:
NRC/State License Number:
Net Property Weight for Ammo:
Boiling Point: Boiling Point Text: N/A
Melting/Freezing Point: Melting/Freezing Text: N/K
Decomposition Point: Decomposition Text: N/K
Vapor Pressure: N/A **Vapor Density:** N/A
Percent Volatile Organic Content:
Specific Gravity: N/A
Volatile Organic Content Pounds per Gallon:
pH: N/K
Volatile Organic Content Grams per Liter:
Viscosity: N/P
Evaporation Weight and Reference: NOT APPLICABLE
Solubility in Water: APPRECIABLE
Appearance and Odor: WHITE POWDER INTERSPERSED W/CREAM COLORED FLAKES-ODORLESS

Percent Volatiles by Volume: N/A
Corrosion Rate: N/K

Section 10 - Stability & Reactivity Data
ALCONOX

Stability Indicator: YES
Materials to Avoid:
AVOID STRONG ACIDS.
Stability Condition to Avoid:
NONE.
Hazardous Decomposition Products:
MAY RELEASE CARBON DIOXIDE GAS ON BURNING.
Hazardous Polymerization Indicator: NO
Conditions to Avoid Polymerization:
NOT RELEVANT

Section 11 - Toxicological Information
ALCONOX

Toxicological Information:
N/P

Section 12 - Ecological Information
ALCONOX

Ecological Information:
N/P

Section 13 - Disposal Considerations
ALCONOX

Waste Disposal Methods:
SMALL QTY MAY BE DISPOSED OF IN SEWER. LARGE QTY SHOULD BE DISPOSED OF ACCORDING TO LOCAL, FEDERAL & STATE REQUIREMENTS FOR NON-HAZARDOUS DETERGENT.

Section 14 - MSDS Transport Information
ALCONOX

Transport Information:
N/P

Section 15 - Regulatory Information
ALCONOX

SARA Title III Information:
N/P
Federal Regulatory Information:
N/P
State Regulatory Information:
N/P

Section 16 - Other Information
ALCONOX

Other Information:
N/P

HMIS Transportation Information

Product Identification: ALCONOX
Transporation ID Number: 88154
Responsible Party CAGE: 17534
Date MSDS Prepared: 08/14/1992
Date MSDS Reviewed: 02/22/1993
MFN: 02/22/1993
Submitter: N TN
Status Code: C

Container Information
Unit of Issue: NK
Container Quantity: NK
Type of Container:
Net Unit Weight:

Article without MSDS: N
Technical Entry NOS Shipping Number:
Radioactivity:
Form:
Net Explosive Weight:
Coast Guard Ammunition Code:
Magnetism: N/P
AF MMAC Code:
DOD Exemption Number:
Limited Quantity Indicator:
Multiple Kit Number: 0
Kit Indicator: N
Kit Part Indicator: N
Review Indicator: Y
Additional Data:
NOT REGULATED FOR TRANSPORTATION

Department of Transportation Information

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
DOT PSN Code: ZZZ
Symbols: N/R
DOT PSN Modifier:
Hazard Class: N/R
UN ID Number: N/R
DOT Packaging Group: N/R
Label: N/R
Special Provision(s): N/R
Packaging Exception: N/R
Non Bulk Packaging: N/R
Bulk Packaging: N/R
Maximimum Quanity in Passenger Area: N/R
Maximimum Quanity in Cargo Area: N/R
Stow in Vessel Requirements: N/R
Requirements Water/Sp/Other: N/R

IMO Detail Information

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO PSN Modifier:
IMDG Page Number: N/R
UN Number: N/R
UN Hazard Class: N/R
IMO Packaging Group: N/R
Subsidiary Risk Label: N/R
EMS Number: N/R
Medical First Aid Guide Number: N/R

IATA Detail Information

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA PSN Modifier:
IATA UN Id Number: N/R
IATA UN Class: N/R
Subsidiary Risk Class: N/R
UN Packaging Group: N/R
IATA Label: N/R
Packaging Note for Passengers: N/R
Maximum Quantity for Passengers: N/R
Packaging Note for Cargo: N/R
Maximum Quantity for Cargo: N/R
Exceptions: N/R

AFI Detail Information

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI Symbols:
AFI PSN Code: ZZZ
AFI PSN Modifier:
AFI UN Id Number: N/R
AFI Hazard Class: N/R
AFI Packing Group: N/R
AFI Label: N/R
Special Provisions: N/A
Back Pack Reference: N/A

HAZCOM Label Information

Product Identification: ALCONOX
CAGE: 17534
Assigned Individual: N
Company Name: ALCONOX INC
Company PO Box:
Company Street Address1: 9 EAST 40TH STREET, SUITE 200
Company Street Address2: NEW YORK, NY 10016 US
Health Emergency Telephone: 212-473-1300
Label Required Indicator: Y
Date Label Reviewed: 09/18/1992
Status Code: C
Manufacturer's Label Number:
Date of Label: 09/18/1992
Year Procured: N/K
Organization Code: G
Chronic Hazard Indicator: N
Eye Protection Indicator: YES
Skin Protection Indicator: YES

Respiratory Protection Indicator: YES
Signal Word: CAUTION
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None

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Right to Know

Hazardous Substance Fact Sheet

Common Name: **ANTIMONY**

Synonyms: Antimony Metal; Antimony Powder

Chemical Name: Antimony

Date: June 2004 Revision: February 2012

CAS Number: 7440-36-0

RTK Substance Number: 0141

DOT Number: UN 2871

Description and Use

A□□□□ □□□ is a naturally occurring, silvery-white, hard, brittle metal. It is also formed as a by-product of smelting *Lead* and other metals. It is used in alloys with *Lead* and other metals, electric storage batteries, solder, sheet and pipe metal, castings and pewter.

Reasons for Citation

- **A□□□□ □□□** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, DEP, IRIS, and EPA.

SEE GLOSSARY ON PAGE 5.

FIRST AID

E□□ C□□□□□□

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

S□□□ C□□□□□□

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

I□□□□□□□□□

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

P□□□□ C□□□r□□: 1-800-222-1222

CHEMTREC: 1-800-424-9300

N□DEP H□□□□□: 1-877-927-6337

N□□□□□□R□□□□□□□ C□□□r: 1-800-424-8802

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Hazard Summary

H□□□rd R□□□□□	N□DHSS	NFPA
HEALTH	2	-
FLAMMABILITY	2	-
REACTIVITY	0	-
COMBUSTIBLE POWDER POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **A□□□□ □□□** can affect you when inhaled and by passing through the skin.
- Contact can irritate the skin and eyes. Prolonged or repeated contact may cause redness and itchy skin rash (dermatitis).
- Inhaling **A□□□□ □□□** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
- Exposure to **A□□□□ □□□** can cause headache, dizziness, nausea and vomiting, abdominal pain, and loss of sleep.
- Inhaling **A□□□□ □□□** can cause an ulcer or hole in the "bone" (septum) dividing the inner nose.
- Repeated exposure can affect the lungs and cause an abnormal chest x-ray to develop.
- **A□□□□ □□□** may damage the liver and kidneys and may affect the heart.

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **0.5 □ □□□** ^{3} averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.5 □ □□□** ^{3} averaged over a 10-hour workshift.

ACGIH: The threshold limit value (TLV) is **0.5 □ □□□** ^{3} averaged over an 8-hour workshift.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

A□□□□ H□□□□□ E□□□□□□

The following acute (short-term) health effects may occur immediately or shortly after exposure to **A□□□□ □□□**:

- Contact can irritate the skin and eyes. Prolonged or repeated contact may cause redness and itchy skin rash (dermatitis).
- Inhaling **A□□□□ □□□** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
- Exposure to **A□□□□ □□□** can cause headache, dizziness, nausea and vomiting, abdominal pain, and loss of sleep.

C□r□□□□ H□□□□□ E□□□□□□

The following chronic (long-term) health effects can occur at some time after exposure to **A□□□□ □□□** and can last for months or years:

Cancer Hazard

- According to the information presently available to the New Jersey Department of Health and Senior Services, **A□□□□ □□□** has been tested and has not been shown to cause cancer in animals.

Reproductive Hazard

- There is limited evidence that **A□□□□ □□□** may affect female fertility.

Other Effects

- Inhaling **A□□□□ □□□** can cause an ulcer or a hole in the "bone" (septum) dividing the inner nose, sometimes with bleeding, discharge, and/or formation of a crust.
- Repeated exposure can affect the lungs, cause an abnormal chest x-ray to develop, and lead to permanent lung damage.
- **A□□□□ □□□** may damage the liver and kidneys and may affect the heart.

Medical

M□d□□□□T□□□□□□

For frequent or potentially high exposure (half the PEL or greater), the following is recommended before beginning work and at regular times after that:

- Urine test for **A□□□□ □□□**

If symptoms develop or overexposure is suspected, the following are recommended:

- Chest x-ray and lung function tests
- Liver and kidney function tests
- EKG

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

You have a legal right to request copies of your medical testing under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

M□□□d E□□□□□r□□

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- More than light alcohol consumption can cause liver damage. Drinking alcohol can increase the liver damage caused by **A□□□□ □□□**.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Before entering a confined space where **A**□□□□ □□□ *powder* and *dust* may be present, check to make sure that an explosive concentration does not exist.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high efficiency particulate air (HEPA) filter when vacuuming. Do not use a standard shop vacuum.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

G□□□□□ □□d C□□□□□□□

- Avoid skin contact with **A**□□□□ □□□. Wear personal protective equipment made from material that can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- The recommended glove materials for **A**□□□□ □□□ are Nitrile, Neoprene and Natural Rubber.
- The recommended protective clothing material for **A**□□□□ □□□ is Tyvek® or the equivalent.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

E□□ Pr□□□□□□□□

- Wear direct vent goggles when airborne particles or dust are present.

R□□□r□□□r□ Pr□□□□□□□

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134). **O□□□ NIOSH □□□r□□□d r□□□□r□□□r□ □□□□□d □□ □□□d.**

- Where the potential exists for exposure over **0.5** □ □□□ ^{3}, use a negative pressure, air-purifying, particulate filter respirator with an N, R or P95 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator, and even greater protection is provided by a powered-air purifying respirator.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **A**□□□□ □□□, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential exists for exposure over **5** □ □□□ ^{3}, use a supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.
- Exposure to **50** □ □□□ ^{3} is immediately dangerous to life and health. If the possibility of exposure above **50** □ □□□ ^{3} exists, use a self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **A**□□□□ □□□ is not combustible in bulk form. However, **A**□□□□ □□□ *powder* and *dust* may be COMBUSTIBLE.
- Use sand, dry chemical, CO_2, water spray or foam as extinguishing agents.
- DO NOT USE WATER on *molten* **A**□□□□ □□□.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Antimony Oxide* and *Antimony Hydride* (*Stibine*).
- **A**□□□□ □□□ may form an ignitable dust/air mixture in closed tanks or containers.
- *Finely dispersed* **A**□□□□ □□□ *powder* and *dust* may form explosive mixtures in air.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **A**□□□□ □□□ is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten *solid* spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **A**□□□□ □□□ as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **A**□□□□ □□□ you should be trained on its proper handling and storage.

- **A**□□□□ □□□ reacts violently with HALOGENS (such as FLUORINE, CHLORINE and BROMINE) and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) to cause fires and explosions.
- Contact with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) and freshly formed (nascent) HYDROGEN can also form toxic *Antimony Hydride* (*Stibine) gas*.
- **A**□□□□ □□□ is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, and NITRATES); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); IODINE; and POWDERED METALS.
- Store in tightly closed containers in a cool, well-ventilated area.
- Sources of ignition, such as smoking and open flames, are prohibited where **A**□□□□ □□□ *powder* is used, handled, or stored.
- Ground and bond containers when transferring **A**□□□□ □□□ *powder.*
- Use only non-sparking tools and equipment, especially when opening and closing containers of **A**□□□□ □□□ *powder*.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

F□r □ □r□ □□□□r□ □□□□□, □□□□□□□ □□□□□□□:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

A□□□□ E□□□□□r□ G□□d□□□□ L□□□□□ (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

B□□□□□ □□□□is the temperature at which a substance can change its physical state from a liquid to a gas.

A **□□r□□□□□□** is a substance that causes cancer.

The **CAS □□□ □□r** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **□□□ □□□□□□□□** substance is a solid, liquid or gas that will burn.

A **□□rr□□□□□** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **□r□□□□□□□□ □□r□□□r□** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

E□ □r□□□□□ R□□□□□□□ P□□□□□□□ G□□d□□□□ (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **□□□□□** is an unborn human or animal.

A **□□□□ □ □□□□** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **□□□□□ □□□□□**is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

I□□□□□□□□□ P□□□□□□□□is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **L□□ □r E□□□□□□□□ L□□ □□**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

□ □□□ ^{3} means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **□ □□□□□□** is a substance that causes mutations. A **□ □□□□□□□** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

P□r□ □□□□d is the movement of chemicals through protective materials.

□□□ means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Pr□□□□□□□□ A□□□□□ Cr□□r□□ (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **r□□□□□□□□** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **□□r□□□□□□** is a substance that causes birth defects by damaging the fetus.

UEL or **U□□□r E□□□□□□□□ L□□ □□**is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

V□□□r D□□□□□□ is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **□□□□r □r□□□□r□** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **ANTIMONY**

Synonyms: Antimony Metal; Antimony Powder
CAS No: 7440-36-0
Molecular Formula: Sb
RTK Substance No: 0141
Description: Naturally occurring, silvery-white, hard, brittle metal that is also formed from smelting *Lead* and other metals

HAZARD DATA

H□□□rd R□□□□□	**F□r□□□□□□□□□**	**R□□□□□□□□□□□**
2 - H□□□□□ **2 - F□r□** **0 - R□□□□□□□□□□** **DOT#:** UN 2871 **ERG G□□d□#:** 170 **H□□□rd C□□□□:** 6.1 (Toxic)	**A□□□□ □□□** is not combustible in bulk form. However, **A□□□□ □□□** *powder* and *dust* may be COMBUSTIBLE. Use sand, dry chemical, CO_2, water spray or foam as extinguishing agents. DO NOT USE WATER on *molten* **A□□□□ □□□**. POISONOUS GASES ARE PRODUCED IN FIRE, including *Antimony Oxide* and *Antimony Hydride* (*Stibine*). **A□□□□ □□□** may form an ignitable dust/air mixture in closed tanks or containers. *Finely dispersed* **A□□□□ □□□** *powder* and *dust* may form explosive mixtures in air.	**A□□□□ □□□** reacts violently with HALOGENS (such as FLUORINE, CHLORINE and BROMINE) and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) to cause fires and explosions. Contact with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) and freshly formed (nascent) HYDROGEN can also form toxic *Antimony Hydride* (*Stibine) gas*. **A□□□□ □□□** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, and NITRATES); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); IODINE; and POWDERED METALS.

SPILL/LEAKS

I□□□□□□□□ D□□□□□□□□:

S□□□: 25 meters (75 feet)

F□r□: 800 meters (1/2 mile)

Moisten *solid* spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.

Ground and bond containers when transferring **A□□□□ □□□** *powder*.

Use only non-sparking tools and equipment.

DO NOT wash into sewer.

PHYSICAL PROPERTIES

F□□□□ P□□□:	Noncombustible (*bulk form*) Combustible (*powder* and *dust*)
V□□□r Pr□□□□r□:	1 mm Hg at 1,627°F (886°C)
S□□□□□□□ Gr□□□□:	6.69 (water = 1)
W□□□r S□□□□□□□□:	Insoluble
B□□□□□□ P□□□:	2,975°F (1,635°C)
M□□□□□□ P□□□:	1,166°F (630°C)
M□□□□□□□r W□□□□:	121.8

EXPOSURE LIMITS

OSHA: 0.5 mg/m^3, 8-hr TWA
NIOSH: 0.5 mg/m^3, 10-hr TWA
ACGIH: 0.5 mg/m^3, 8-hr TWA
IDLH: 50 mg/m^3

The Protective Action Criteria values are:
PAC-1 = 1.5 mg/m^3 PAC-2 = 20 mg/m^3
PAC-3 = 50 mg/m^3

PROTECTIVE EQUIPMENT

G□□□□:	Nitrile, Neoprene and Natural Rubber
C□□□r□□□:	Tyvek
R□□□□r□□□r:	Spill or >0.5 mg/m^3: full facepiece APR with *P100 filters* Fire or >5 mg/m^3: SCBA

HEALTH EFFECTS

E□□□:	Irritation
S□□□:	Irritation, redness and itchy skin rash
I□□□□□□□□□:	Nose, throat and lung irritation, with coughing, wheezing and shortness of breath Headache, dizziness, nausea, vomiting, and abdominal pain

FIRST AID AND DECONTAMINATION

R□□ □□□ the person from exposure.

F□□□□ eyes with large amounts of water for at least 15 minutes. Remove contact lenses.

Q□□□□□□ remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

B□□□□ artificial respiration if breathing has stopped and CPR if necessary.

Tr□□□□□r promptly to a medical facility.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **ARSENIC**

Synonyms: Gray Arsenic; Arsen

Chemical Name: Arsenic

Date: June 1998 Revision: April 2008

CAS Number: 7440-38-2

RTK Substance Number: 0152

DOT Number: UN 1558

EMERGENCY RESPONDERS >>>> SEE PAGE 6

Description and Use

Arsenic is a silver-gray or white metallic, odorless, brittle solid. It is used as an alloying agent for heavy metals, and in solders, medicines and herbicides.

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	4	-
FLAMMABILITY	0	-
REACTIVITY	0	-
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

Reasons for Citation

- **Arsenic** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, NTP, DEP, IARC, IRIS and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

- **Arsenic** can affect you when inhaled and may be absorbed through the skin.
- **Arsenic** is a CARCINOGEN and may cause reproductive damage. HANDLE WITH EXTREME CAUTION.
- Skin contact can cause irritation, burns, rash and loss of pigment
- Eye contact can cause irritation and burns.
- Inhaling **Arsenic** can irritate the nose and throat and can cause an ulcer or hole in the "bone" (septum) dividing the inner nose.
- Exposure to **Arsenic** can cause weakness, poor appetite, nausea, vomiting, headache, and even death.
- **Arsenic** may damage the nervous system and the liver.
- **Arsenic** is a noncombustible solid, but when in *dust* or *fine powder* form it can EXPLODE when exposed to heat, flame or hot surfaces.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing. Seek medical attention.

Skin Contact

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Inhalation

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **0.01 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.002 mg/m^3**, which should not be exceeded at any time.

ACGIH: The threshold limit value (TLV) is **0.01 mg/m^3** averaged over an 8-hour workshift.

- **Arsenic** is a CARCINOGEN in humans. There may be <u>no</u> safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Arsenic**:

- Skin contact can cause irritation, burns, rash and loss of pigment.
- Eye contact can cause irritation, burns and red, watery eyes.
- Inhaling **Arsenic** can irritate the nose and throat causing coughing and wheezing.
- Exposure to **Arsenic** can cause weakness, poor appetite, nausea, vomiting, headache, muscle cramps and even death.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Arsenic** and can last for months or years:

Cancer Hazard

- **Arsenic** is a CARCINOGEN in humans. It has been shown to cause skin and lung cancer.
- Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

- Chronic **Arsenic** exposure has been associated with spontaneous abortions and still births.
- There is limited evidence that **Arsenic** is a teratogen in animals. Until further testing has been done, it should be treated as a possible teratogen in humans.

Other Effects

- Repeated skin contact can cause thickened skin and/or patchy areas of darkening and loss of pigment. Some persons may develop white lines on the nails.
- Long-term exposure can cause an ulcer or hole in the "bone" (septum) dividing the inner nose, hoarseness and sore eyes.
- **Arsenic** may damage the nervous system causing numbness, "pins and needles," and/or weakness in the hands and feet.
- **Arsenic** may damage the liver.

Medical

Medical Testing

Before first exposure and every 12 months thereafter, OSHA requires your employer to provide (for persons exposed to greater than **0.005 mg/m^3** of *Arsenic*) a work and medical history and exam which shall include:

- Chest x-ray
- Exam of the nose, skin and nails
- Test for urine **Arsenic**. This is most accurate at the end of the workday. Eating shellfish or fish may elevate **Arsenic** levels for up to two days. At NIOSH recommended exposure levels, urine **Arsenic** should not be greater than **100 micrograms per liter** of urine.

After suspected overexposure, repeat these tests and consider exam of the nervous system and liver function tests. Also examine your skin periodically for abnormal growth. Skin cancer from **Arsenic** can be easily cured when detected early.

OSHA requires your employer to provide you and your doctor with a copy of the OSHA *Inorganic Arsenic* Standard (29 CFR 1910.1018).

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures

- More than light alcohol consumption can cause liver damage. Drinking alcohol may increase the liver damage caused by **Arsenic**.

Conditions Made Worse By Exposure

- May scientists believe that skin changes such as thickening and pigment changes make those skin areas more likely to develop skin cancer.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Specific engineering controls are required for this chemical by OSHA. Refer to the OSHA *Inorganic Arsenic* Standard (29 CFR 1910.1018).
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high efficiency particulate air (HEPA) filter when vacuuming. Do not use a standard shop vacuum.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Arsenic**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend *Nitrile*, *Natural Rubber* or *Silver Shield®* for gloves and DuPont *Tyvek®*, or the equivalent, as protective materials for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear impact resistant eye protection with side shields.
- Wear a face shield with goggles when working with corrosive, high irritating or toxic substance.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure not higher than **0.1 mg/m^3**, use a half-mask air purifying respirator equipped with high efficiency filters.
- Where the potential exists for exposure not higher than **0.5 mg/m^3**, use a full facepiece, air purifying respirator with high efficiency filters.
- Where the potential exists for exposure not higher than **5 mg/m^3**, use any powered-air purifying respirator with high efficiency filters or a half-mask supplied-air respirator operated in a positive pressure mode.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Arsenic**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Exposure to **5 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **5 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **Arsenic** is noncombustible, however, **Arsenic** *dust* or *fine powder* can explode when exposed to heat, flame or hot surfaces.
- Use dry chemical, CO_2, water spray or foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Arsenic Oxides*.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Arsenic** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Collect powdered material in the most convenient and safe manner, or use a HEPA-filter vacuum for clean-up, and deposit in sealed containers.
- Ventilate area of spill after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Arsenic** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Arsenic** you should be trained on its proper handling and storage.

- A regulated, marked area should be established where **Arsenic** is handled, used or stored as required by the OSHA *Inorganic Arsenic* Standard (29 CFR 1910.1018).
- **Arsenic** reacts with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) to cause fires and explosions.
- **Arsenic** reacts with ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) and HYDROGEN GAS to produce toxic *Arsine gas*.
- **Arsenic** is not compatible with *powdered* METALS (such as ZINC, LITHIUM, RUBIDIUM and PLATINUM); BROMINE AZIDE; LEAD MONOXIDE; and MERCURY OXIDE.
- Store in tightly closed containers in a cool, well-ventilated area away from COMBUSTIBLES and HEAT.
- DO NOT store in metal tanks.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values are intended to provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database maintained by federal EPA. The database contains information on human health effects that may result from exposure to various chemicals in the environment.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

Common Name: **ARSENIC**

Synonyms: Gray Arsenic; Arsen
CAS No: 7440-38-2
Molecular Formula: As
RTK Substance No: 0152
Description: Silver-gray or white metallic, odorless, brittle solid

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
4 - Health **0 - Fire** **0 - Reactivity** **DOT#:** UN 1558 **ERG Guide #:** 152 **Hazard Class:** 6.1 (Poison)	**Arsenic** is noncombustible, however, *Arsenic dust* or *fine powder* can explode when exposed to heat, flame or hot surfaces. Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including *Arsenic Oxides.* Use water spray to keep fire-exposed containers cool.	**Arsenic** reacts with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) to cause fires and explosions. **Arsenic** reacts with ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) and HYDROGEN GAS to produce toxic *Arsine gas.* **Arsenic** is not compatible with *powdered* METALS (such as ZINC, LITHIUM, RUBIDIUM and PLATINUM); BROMINE AZIDE; LEAD MONOXIDE; and MERCURY OXIDE.

SPILL/LEAKS

Isolation Distance:

Spills: 25 to 50 meters (75 to 150 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up.

DO NOT wash into sewer.

Toxic to aquatic organisms.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	Noncombustible solid
Vapor Pressure:	1 mm Hg at 701°F (372°C)
Specific Gravity:	5.7 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	1,350°F (613°C)
Ionization Potential:	9.87 eV
Molecular Weight:	74.9

EXPOSURE LIMITS

OSHA:	0.01 mg/m^3, 8-hr TWA
NIOSH:	0.002 mg/m^3, 15-min Ceiling
ACGIH:	0.01 mg/m^3, 8-hr TWA
IDLH:	5 mg/m^3

PROTECTIVE EQUIPMENT

Gloves:	Natural Rubber, Nitrile or Silver Shield®
Coveralls:	DuPont Tyvek®
Respirator:	<0.1 mg/m^3 - Full facepiece APR with High efficiency filter <0.5 mg/m^3 -Supplied air

HEALTH EFFECTS

Eyes:	Irritation, burns, red and watery eyes
Skin:	Irritation, burns, itching, rash and loss of pigment
Inhalation:	Nose and throat irritation with coughing, wheezing and hoarseness Weakness, headache, nausea, vomiting, and muscle cramps
Chronic:	Cancer (skin and lung) in humans

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer to a medical facility.

International Chemical Safety Cards

BARIUM

ICSC: 1052

BARIUM
Ba
Atomic mass: 137.3

CAS # 7440-39-3
RTECS # CQ8370000
ICSC # 1052
UN # 1400

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Flammable.	NO open flames.	Special powder, dry sand, NO hydrous agents, NO water.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	
EXPOSURE		PREVENT DISPERSION OF DUST! STRICT HYGIENE!	
• **INHALATION**	Cough. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
• **SKIN**	Redness.	Protective gloves.	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
• **EYES**	Redness. Pain.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
• **INGESTION**		Do not eat, drink, or smoke during work.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Sweep spilled substance into containers. Carefully collect remainder, then remove to safe place (extra personal protection: complete protective clothing including self-contained breathing apparatus).	Separated from halogenated solvents, strong oxidants, acids. Dry. Keep under inert gas, petroleum or oxygen-free liquid.	UN Hazard Class: 4.3 UN Packing Group: II

SEE IMPORTANT INFORMATION ON BACK

ICSC: 1052

Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities © IPCS CEC 1993

International Chemical Safety Cards

BARIUM

ICSC: 1052

IMPORTANT DATA	**PHYSICAL STATE; APPEARANCE:** YELLOWISH TO WHITE LUSTROUS SOLID IN VARIOUS FORMS. **PHYSICAL DANGERS:** **CHEMICAL DANGERS:** The substance may spontaneously ignite on contact with air (if in powder form). The substance is a strong reducing agent and reacts violently with oxidants and acids. Reacts with water, forming combustible gas (hydrogen - see ICSC # 0001) and barium hydroxide. Reacts violently with halogenated solvents causing fire and explosion hazard. **OCCUPATIONAL EXPOSURE LIMITS (OELs):** TLV: ppm; 0.5 mg/m^3 (as TWA) (ACGIH 1992-1993).	**ROUTES OF EXPOSURE:** The substance can be absorbed into the body by ingestion. **INHALATION RISK:** **EFFECTS OF SHORT-TERM EXPOSURE:** The substance irritates the eyes, the skin, and the respiratory tract. **EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:**
PHYSICAL PROPERTIES	Boiling point: 1640°C Melting point: 725°C Relative density (water = 1): 3.6	Solubility in water: reaction Vapour pressure, kPa at 1049°C: 1.3
ENVIRONMENTAL DATA		

NOTES

Reacts violently with fire extinguishing agents such as water, bicarbonate, powder, foam, and carbon dioxide. Rinse contaminated clothes (fire hazard) with plenty of water.

Transport Emergency Card: TEC (R)-43G14

ADDITIONAL INFORMATION

ICSC: 1052 **BARIUM**

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Material Safety Data Sheet
Benzene

ACC# 02610

Section 1 - Chemical Product and Company Identification

MSDS Name: Benzene
Catalog Numbers: AC167660000, AC167660010, AC167660025, AC167660250, AC167665000, AC168650250, AC295330000, AC295330010, AC295330025, AC295330250, AC296880000, AC296880010, AC296880025, AC296880250, AC610230010, AC610231000, AC611001000, B243-4, B245-4, B245-500, B411-1, B411-4, B412-1, S79920ACS
Synonyms: Benzol; Cyclohexatriene; Phenyl hydride.
Company Identification:
Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
71-43-2	Benzene	> 99	200-753-7

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear colorless liquid. Flash Point: -11 deg C.
Danger! Extremely flammable liquid and vapor. Vapor may cause flash fire. Harmful if swallowed, inhaled, or absorbed through the skin. Causes eye, skin, and respiratory tract irritation. Contains benzene. Benzene can cause cancer. Aspiration hazard if swallowed. Can enter lungs and cause damage. May cause blood abnormalities. May cause central nervous system effects.
Target Organs: Blood, central nervous system, respiratory system, eyes, bone marrow, immune system, skin.

Potential Health Effects

Eye: Causes eye irritation.
Skin: Causes skin irritation. Harmful if absorbed through the skin. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.
Ingestion: May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause effects similar to those for inhalation exposure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Causes respiratory tract irritation. May cause drowsiness, unconsciousness, and

central nervous system depression. Exposure may lead to irreversible bone marrow injury. Exposure may lead to aplastic anemia. Potential symptoms of overexposure by inhalation are dizziness, headache, vomiting, visual disturbances, staggering gait, hilarity, fatigue, and other symptoms of CNS depression.
Chronic: May cause bone marrow abnormalities with damage to blood forming tissues. May cause anemia and other blood cell abnormalities. Chronic exposure to benzene has been associated with an increased incidence of leukemia and multiple myeloma (tumor composed of cells of the type normally found in the bone marrow). Immunodepressive effects have been reported. This substance has caused adverse reproductive and fetal effects in laboratory animals.

Section 4 - First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid.
Skin: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.
Ingestion: Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. Extremely flammable liquid and vapor. Vapor may cause flash fire. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire. May accumulate static electricity.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.
Flash Point: -11 deg C (12.20 deg F)
Autoignition Temperature: 498 deg C (928.40 deg F)
Explosion Limits, Lower:1.3 vol %
Upper: 7.1 vol %
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Provide ventilation. Approach spill from upwind. Use water spray to cool and disperse vapors, protect personnel, and dilute spills to form nonflammable mixtures.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Take precautionary measures against static discharges. Keep container tightly closed. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Keep away from heat, sparks and flame. Avoid breathing vapor.
Storage: Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. See 29CFR 1910.1028 for the regulatory requirements for the control of employee exposure to benzene.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzene	0.5 ppm TWA; 2.5 ppm STEL; Skin - potential significant contribution to overall exposure by the cutaneous r oute	0.1 ppm TWA 500 ppm IDLH	1 ppm TWA; 10 ppm TWA (applies to industry segments exempt from the benzene stan dard at 29 CFR 1910.1028); 25 ppm Ceiling (applies to industry segments exempt from the 1 ppm TWA and 5 ppm STEL of th e benzene standard); 0.5 ppm Action Level; 1 ppm TWA; 5 ppm STEL (Cancer hazard, Flammable - see 29 C FR 1910.1028)

OSHA Vacated PELs: Benzene: 10 ppm TWA (unless specified in 1910.1028)
Personal Protective Equipment
Eyes: Wear chemical splash goggles.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: clear colorless
Odor: sweetish odor - aromatic odor
pH: Not applicable.
Vapor Pressure: 75 mm Hg @ 20 deg C
Vapor Density: 2.8 (air=1)
Evaporation Rate: Not available.
Viscosity: 0.647mPa @ 20 deg C
Boiling Point: 80.1 deg C
Freezing/Melting Point:5.5 deg C
Decomposition Temperature: Not available.
Solubility: 0.180 g/100 ml @ 25°C
Specific Gravity/Density:0.8765 @ 20°C
Molecular Formula:C6H6
Molecular Weight:78.11

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Ignition sources, excess heat, confined spaces.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 71-43-2: CY1400000
LD50/LC50:
CAS# 71-43-2:
Dermal, guinea pig: LD50 = >9400 uL/kg;
Draize test, rabbit, eye: 88 mg Moderate;
Draize test, rabbit, eye: 2 mg/24H Severe;
Draize test, rabbit, skin: 20 mg/24H Moderate;
Inhalation, mouse: LC50 = 9980 ppm;
Inhalation, mouse: LC50 = 24 mL/kg/2H;
Inhalation, rat: LC50 = 10000 ppm/7H;
Inhalation, rat: LC50 = 34 mL/kg/2H;
Inhalation, rat: LC50 = 6.5 mL/kg/4H;
Oral, mouse: LD50 = 4700 mg/kg;
Oral, rat: LD50 = 930 mg/kg;
Oral, rat: LD50 = 1 mL/kg;
Oral, rat: LD50 = 1800 Benzene is considered very toxic; probable human oral lethal dose would be 50-500 mg/kg. Human inhalation of approximately 20,000 ppm (2% in air) was fatal in 5-10 minutes.While percutaneous absorption of liquid benzene through intact human skin can be limited (e.g., 0.05% of the applied dose), the absorbed dose via direct dermal contact combined with that received from body surface exposure to benzene in workplace air is such that a substantial fraction (20-40%) of the total exposure is due to skin absorption.
Carcinogenicity:
CAS# 71-43-2:

- **ACGIH:** A1 - Confirmed Human Carcinogen
- **California:** carcinogen, initial date 2/27/87
- **NTP:** Known carcinogen
- **IARC:** Group 1 carcinogen

Epidemiology: IARC has concluded that epidemiological studies have established the relationship between benzene exposure and the development of acute myelogenous leukemia, and that there is sufficient evidence that benzene is carcinogenic to humans.
Teratogenicity: Inhalation, rat: TCLO = 50 ppm/24H (female 7-14 day(s) after conception) Effects on Embryo or Fetus - extra-embryonic structures (e.g., placenta, umbilical cord) and Effects on Embryo or Fetus - fetotoxicity (except death, e.g., stunted fetus).; Inhalation,mouse: TCLo = 5 ppm (female 6-15 day(s) after conception) Effects on Embryo or Fetus - cytological changes (including somatic cell genetic material) and Specific Developmental Abnormalities - blood and lymphatic systems (including spleen and marrow).
Reproductive Effects: Inhalation, rat: TCLO = 670 mg/m3/24H (female 15 day(s) pre-mating and female 1-22 day(s) after conception) female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated).; Oral, mouse: TDLo = 12 gm/kg (female 6-15 day(s) after conception) Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants).
Mutagenicity: DNA Inhibition: Human, Leukocyte = 2200 umol/L.; DNA Inhibition: Human, HeLa cell = 2200 umol/L.; Mutation Test Systems - not otherwise specified: Human, Lymphocyte = 5 umol/L.; Cytogenetic Analysis: Inhalation, Human = 125 ppm/1Y.; Cytogenetic Analysis: Human, Leukocyte = 1 mmol/L/72H.; Cytogenetic Analysis: Human, Lymphocyte = 1 mg/L.
Neurotoxicity: See actual entry in RTECS for complete information.
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Mosquito Fish: TLm = 395 mg/L; 24 Hr; UnspecifiedFish: Goldfish: LC50 =46 mg/L; 24 Hr; Modified ASTM D 1345Fish: Fathead Minnow: LC50 = 15.1 mg/L; 96 Hr; Flow-through at 25°C (pH 7.9-8.0)Fish: Rainbow trout: LC50 = 5.3 mg/L; 96 Hr; Flow-through at 25°C (pH 7.9-8.0)Fish: Bluegill/Sunfish: LD50 = 20 mg/L; 24-48 Hr; Unspecified If benzene is released to soil, it will be subject to rapid volatilization near the surface and that which does not evaporate will be highly to very highly mobile in the soil and may leach to groundwater. If benzene is released to water, it will be subject to rapid volatilization. It will not be expected to significantly adsorb to sediment, bioconcentrate in aquatic organisms or hydrolyze. It may be subject to biodegradation.
Environmental: If benzene is released to the atmosphere, it will exist predominantly in the vapor phase. Gas-phase benzene will not be subject to direct photolysis but it will react with photochemically produced hydroxyl radicals with a half-life of 13.4 days. The reaction time in polluted atmospheres which contain nitrogen oxides or sulfur dioxide is accelerated with the half-life being reported as 4-6 hours. Benzene is fairly soluble in water and is removed from the atmosphere in rain.
Physical: Products of photooxidation include phenol, nitrophenols, nitrobenzene, formic acid, and peroxyacetyl nitrate.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts

261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series:
CAS# 71-43-2: waste number U019 (Ignitable waste, Toxic waste).

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	BENZENE	BENZENE
Hazard Class:	3	3
UN Number:	UN1114	UN1114
Packing Group:	II	II
Additional Info:		FLASHPOINT -11 C

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 71-43-2 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 71-43-2: 10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogeni

SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 71-43-2: immediate, delayed, fire.
Section 313
This material contains Benzene (CAS# 71-43-2, > 99%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 71-43-2 is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
CAS# 71-43-2 is listed as a Hazardous Substance under the CWA. CAS# 71-43-2 is listed as a Priority Pollutant under the Clean Water Act. CAS# 71-43-2 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 71-43-2 can be found on the following state right to know lists: California, New Jersey,

Pennsylvania, Minnesota, Massachusetts.

California Prop 65
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:
WARNING: This product contains Benzene, a chemical known to the state of California to cause cancer. WARNING: This product contains Benzene, a chemical known to the state of California to cause male reproductive toxicity.
California No Significant Risk Level: CAS# 71-43-2: 6.4 æg/day NSRL (oral); 13 æg/day NSRL (inhalation)

European / International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols:
T F
Risk Phrases:
R 11 Highly flammable.
R 36/38 Irritating to eyes and skin.
R 45 May cause cancer.
R 46 May cause heritable genetic damage.
R 48/23/24/25 Toxic : danger of serious damage to health by prolonged exposure through inhalation, contact with skin and if swallowed.
R 65 Harmful: may cause lung damage if swallowed.

Safety Phrases:
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 53 Avoid exposure - obtain special instructions before use.

WGK (Water Danger / Protection)
CAS# 71-43-2: 3
Canada - DSL / NDSL
CAS# 71-43-2 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of B2, D2A, D2B.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 71-43-2 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 6/11/1999
Revision #8 Date: 9/11/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Right to Know

Hazardous Substance Fact Sheet

Common Name: **BENZ(□)ANTHRACENE**

Synonyms: Naphthanthracene; Tetraphene

Chemical Name: Benz[a]Anthracene

Date: September 1998 Revision: August 2008

CAS Number: 56-55-3

RTK Substance Number: 0193

DOT Number: UN 3077

Description and Use

B□□□(□)A□□□r□□□□□ is an odorless, colorless to yellow brown flake, plate or powder. It is not produced commercially, but is used in research laboratories. It is also found in *Coal Tar*, roasted coffee, smoked foods, and automobile exhaust, and is formed as an intermediate during chemical manufacturing.

Reasons for Citation

- **B□□□(□)A□□□r□□□□□** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, NTP, DEP, IARC, IRIS and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

E□□ C□□□□□□

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

S□□□ C□□□□□□

- Remove contaminated clothing and wash contaminated skin with soap and water.

I□□□□□□□□□

- Remove the person from exposure.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

P□□□□□ C□□□r□□: 1-800-222-1222

CHEMTREC: 1-800-424-9300

N□DEP H□□□□□: 1-877-927-6337

N□□□□□□□R□□□□□□□□ C□□□r: 1-800-424-8802

EMERGENCY RESPONDERS >>>> SEE PAGE 6

Hazard Summary

H□□rd R□□□□□	N□DHSS	NFPA
HEALTH	3	-
FLAMMABILITY	1	-
REACTIVITY	0	-
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **B□□□(□)A□□□r□□□□□** can affect you when inhaled.
- **B□□□(□)A□□□r□□□□□** should be handled as a CARCINOGEN and MUTAGEN--WITH EXTREME CAUTION.
- *For more information, consult the Right to Know Hazardous Substance Fact Sheet on COAL TAR PITCH.*

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 □ □/□ ^{3}** (as *Coal Tar Pitch Volatiles, Benzene-soluble fraction*) averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.1 □ □□□ ^{3}** (as *Coal Tar Pitch Volatiles, Cyclohexane-extractable fraction*) averaged over a 10-hour workshift.

ACGIH: Recommends that exposure by all routes be controlled to levels as low as possible.

- **B□□□(□)A□□□r□□□□□** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

A□□□□ H□□□□□ E□□□□□□
The following acute (short-term) health effects may occur immediately or shortly after exposure to **B□□□(□)A□□□r□□□□□**:

- No acute (short-term) health effects are known at this time.

C□r□□□□ H□□□□□ E□□□□□□
The following chronic (long-term) health effects can occur at some time after exposure to **B□□□(□)A□□□r□□□□□** and can last for months or years:

Cancer Hazard
- **B□□□(□)A□□□r□□□□□** is a PROBABLE CARCINOGEN in humans. There is evidence that it causes cancer in humans and it has been shown to cause liver and lung cancer in animals.
- Many scientists believe there is no safe level of exposure to a carcinogen. Such substance may also have the potential for causing reproductive damage in humans.

Reproductive Hazard
- According to the information presently available to the New Jersey Department of Health and Senior Services, **B□□□(□)A□□□r□□□□□** has not been tested for its ability to affect reproduction.

Other Effects
- No chronic (long-term) health effects are known at this time.

Medical

M□d□□□□T□□□□□□
There is no special test for this chemical. However, seek medical attention if illness occurs or overexposure is suspected.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Use a Class I, Type B, biological safety hood when mixing, handling, or preparing **B□□□(□)A□□□r□□□□□**.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high efficiency particulate air (HEPA) filter when vacuuming. Do not use a standard shop vacuum.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

G□□□□□ □□d C□□□□□□

- Avoid skin contact with **B□□□(□)A□□□r□□□□□**. Wear personal protective equipment made from material that can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Nitrile or Natural Rubber for gloves and DuPont Tyvek®, or the equivalent, as a protective material for clothing.

E□□ Pr□□□□□□□□

- Wear eye protection with side shields or goggles.

R□□□□r□□□r□ Pr□□□□□□□□

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **0.1** □ □□□ ^{3} (as *Coal Tar Pitch Volatiles*), use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **80** □ □□□ ^{3} (as *Coal Tar Pitch Volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80** □ □□□ ^{3} exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **B□□□(□)A□□□r□□□□□** may burn, but does not readily ignite.
- Use dry chemical, CO_2, water spray or foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **B□□□(□)A□□□r□□□□□** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten spilled material first or use a HEPA-filter vacuum for clean-up and deposit in sealed containers.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **B□□□(□)A□□□r□□□□□** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **B□□□(□)A□□□r□□□□□** you should be trained on its proper handling and storage.

- A regulated, marked area should be established where **B□□□(□)A□□□r□□□□□** is handled, used, or stored.
- **B□□□(□)A□□□r□□□□□** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
- Store in tightly closed containers in a cool, well-ventilated area.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

F□r □ □r□ □□□□r□ □□□□□, □□□□□□ □□□□□□□:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

A□□□□ E□□□□□r□ G□□d□□□□ L□□□□□ (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

B□□□□□ □□□□□is the temperature at which a substance can change its physical state from a liquid to a gas.

A **□□r□□□□□□** is a substance that causes cancer.

The **CAS □□□ □□r** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **□□□ □□□□□□□□** substance is a solid, liquid or gas that will burn.

A **□□rr□□□□□** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

E□ □r□□□□□ R□□□□□□□ P□□□□□□□ G□□d□□□□ (ERPG) values are intended to provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **□□□□□** is an unborn human or animal.

A **□□□□ □ □□□□** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **□□□□□ □□□□□**is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

I□□□□□□□□ P□□□□□□□is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database maintained by federal EPA. The database contains information on human health effects that may result from exposure to various chemicals in the environment.

LEL or **L□□ □r E□□□□□□□□ L□□ □□**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

□ □□□ 3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **□ □□□□□□** is a substance that causes mutations. A **□ □□□□□□□** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

P□r□ □□□□d is the movement of chemicals through protective materials.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

□□□ means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **r□□□□□□□** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **□r□□□□□** is a substance that causes birth defects by damaging the fetus.

UEL or **U□□□r E□□□□□□□□ L□□ □□**is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

V□□□r D□□□□□□is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **□□□□r □r□□□□r□** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

Common Name: **BENZ(□)ANTHRACENE**

Synonyms: Naphthanthracene; Tetraphene
CAS No: 56-55-3
Molecular Formula: $C_{18}H_{12}$
RTK Substance No: 0193
Description: Odorless, colorless to yellow brown flake, plate or powder

HAZARD DATA

H□□□rd R□□□□□	**F□r□□□□□□□□□**	**R□□□□□□□□□□□**
3 - H□□□□□ **1 - F□r□** **0 - R□□□□□□□□□□** **DOT#:** UN 3077 **ERG G□□d□#:** 171 **H□□□rd C□□□□:** 9 (Environmentally hazardous substance)	**B□□□(□)A□□□r□□□□□** may burn, but does not readily ignite. Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool.	**B□□□(□)A□□□r□□□□□** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).

SPILL/LEAKS

I□□□□□□□□ D□□□□□□□□:

Small Spill: 50 meters (150 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and deposit in sealed containers.

Bioaccumulation may occur in seafood.

PHYSICAL PROPERTIES

Od□r T□r□□□□□d:	Odorless
F□□□□ P□□□□:	May burn
V□□□r Pr□□□□r□:	2 mm Hg at 68°F (20°C)
S□□□□□□□ Gr□□□□:	1.3 (water = 1)
W□□□r S□□□□□□□□:	Insoluble
B□□□□□□ P□□□□:	820°F (438°C)
M□□□□□□ P□□□□:	324°F (162°C)
M□□□□□□r W□□□□□:	228.3

EXPOSURE LIMITS

OSHA:	0.2 mg/m^3, 8-hr TWA (as *Coal Tar Pitch Volatiles*, *Benzene soluble fraction*)
NIOSH:	0.1 mg/m^3, 10-hr TWA (as *Coal Tar Pitch Volatiles*, *Cyclohexane-extractable fraction*)
ACGIH:	Lowest level possible
IDLH:	80 mg/m^3 (as *Coal Tar Pitch Volatiles*)

PROTECTIVE EQUIPMENT

G□□□□□:	Nitrile and Natural Rubber
C□□□r□□□□:	DuPont Tyvek®
R□□□r□□□r:	>0.1 mg/m^3 - Supplied Air

HEALTH EFFECTS

E□□□:	No information available
S□□□:	No information available
I□□□□□□□□□:	No information available
C□r□□□:	Cancer (liver and lung) in animals

FIRST AID AND DECONTAMINATION

R□□ □□□ the person from exposure.

F□□□□ eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

R□□ □□□ contaminated clothing and wash contaminated skin with soap and water.

Tr□□□□□r to a medical facility.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **BENZO(a)PYRENE**

Synonyms: 3,4-Benzopyrene; B[a]P

Chemical Name: Benzo[a]pyrene

Date: July 1998 Revision: October 2007

CAS Number: 50-32-8

RTK Substance Number: 0207

DOT Number: UN 3077

EMERGENCY RESPONDERS >>>> SEE PAGE 6

Description and Use

Benzo(a)pyrene is a pale yellow, crystalline solid or powder with a faint aromatic odor. In its pure form it is used as a laboratory reagent. It also forms as a gaseous by-product when certain carbon substances burn, such as coal tar chemicals, and is found in cigarette smoke.

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	3	-
FLAMMABILITY	1	-
REACTIVITY	0	-

CARCINOGEN
POISONOUS GASES ARE PRODUCED IN FIRE

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

Reasons for Citation

- **Benzo(a)pyrene** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, NTP, DEP, IARC, IRIS, and EPA.
- This chemical is on the Special Health Hazard Substance List.

- **Benzo(a)pyrene** can affect you when inhaled and by passing through the skin.
- **Benzo(a)pyrene** is a CARCINOGEN. HANDLE WITH EXTREME CAUTION.
- **Benzo(a)pyrene** may damage the developing fetus.
- Contact can irritate and burn the eyes.
- **Benzo(a)pyrene** can irritate the skin causing a rash or burning feeling on contact.
- Repeated exposure can cause thickening and darkening of the skin.
- Except in laboratories, **Benzo(a)pyrene** is usually found mixed with other "coal tar pitch" chemicals.
- *For more information, consult the Right to Know Hazardous Substance Fact Sheets on COAL TAR PITCH, CREOSOTE, CHRYSENE, and ANTHRACENE.*

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact
- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

Skin Contact
- Remove contaminated clothing. Wash contaminated skin with soap and water.

Inhalation
- Remove the person from exposure.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222
CHEMTREC: 1-800-424-9300
NJDEP Hotline: 1-877-927-6337
National Response Center: 1-800-424-8802

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** (as *Coal Tar Pitch Volatiles*) averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.1 mg/m^3** (as the *Cyclohexane-extractable fraction*) averaged over a 10-hour workshift.

ACGIH: Recommends that exposure by all routes be controlled to levels as low as possible.

- **Benzo(a)pyrene** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects
The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(a)pyrene**:

- Contact can irritate and burn the eyes.
- **Benzo(a)pyrene** can irritate the skin causing a rash or burning feeling on contact. Exposure to a combination of sunlight and this chemical can increase these effects.

Chronic Health Effects
The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(a)pyrene** and can last for months or years:

Cancer Hazard
- **Benzo(a)pyrene** is a PROBABLE CARCINOGEN in humans. There is some evidence that is causes stomach, skin, lung, blood, spleen, pancreas, and mammary cancer in animals.
- Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard
- **Benzo(a)pyrene** may damage the developing fetus.
- There is limited evidence that **Benzo(a)pyrene** may damage the male and female reproductive systems.

Other Effects
- Repeated exposure can cause thickening and darkening of the skin and warts.

Medical

Medical Testing
There is no special test for this chemical. However, seek medical attention if illness occurs or overexposure is suspected.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures
- Sunlight may cause a rash to develop in people exposed to **Benzo(a)pyrene** and increases the risk of skin cancer.
- Tobacco smoke also contains **Benzo(a)pyrene**. Smoking may increase the risk of lung cancer with exposure to **Benzo(a)pyrene.**

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.

- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Use a Class I, Type B, biological safety hood when working with **Benzo(a)pyrene** in a laboratory.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high efficiency particulate air (HEPA) filter when vacuuming. Do not use a standard shop vacuum.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Benzo(a)pyrene**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend DuPont *Tychem® CPF-2, SL, CPF-4* and *Responder®* as protective materials for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear eye protection with side shields or goggles.
- Do not wear contact lenses when working with this substance.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **0.1 mg/m^3**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **80 mg/m^3** (as *Coal Tar Pitch Volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** (as *Coal Tar Pitch Volatiles*) exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **Benzo(a)pyrene** may burn, but does not readily ignite.
- Use dry chemical, CO_2, water spray or foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Benzo(a)pyrene** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten spilled material first to reduce dust or use a HEPA-filter vacuum for clean-up.
- Ventilate and wash area after clean-up is complete.
- It may be necessary to contain and dispose of **Benzo(a)pyrene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP), Nuclear Regulatory Commission (NRC) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Benzo(a)pyrene** you should be trained on its proper handling and storage.

- A regulated, marked area should be established where **Benzo(a)pyrene** is handled, used, or stored.
- **Benzo(a)pyrene** reacts with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
- Store in tightly closed containers in a cool, well-ventilated area.
- Sources of ignition, such as smoking and open flames, are prohibited where **Benzo(a)pyrene** is used, handled, or stored in a manner that could create a potential fire or explosion hazard.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

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GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values are intended to provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database maintained by federal EPA. The database contains information on human health effects that may result from exposure to various chemicals in the environment.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

Common Name: **BENZO(a)PYRENE**

Synonyms: 3,4-Benzopyrene; B[a]P
CAS No: 50-32-8
Molecular Formula: $C_{20}H_{12}$
RTK Substance No: 0207
Description: Pale yellow, crystalline solid or powder

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
3 - Health **1 - Fire** **0 - Reactivity** **DOT#:** UN 3077 **ERG Guide #:** 171 **Hazard Class:** 9 (Miscellaneous Hazardous Materials)	**Benzo(a)pyrene** may burn, but does not readily ignite. Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE.	**Benzo(a)pyrene** reacts with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) to cause fires and explosions.

SPILL/LEAKS

Isolation Distance: 50 meters (150 feet)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up.

Toxic to aquatic organisms.

PHYSICAL PROPERTIES

Odor Threshold:	Faint aromatic odor
Flash Point:	No information
Specific Gravity:	1.35
Vapor Density:	8.7 (air = 1)
Vapor Pressure:	5.49 X 10^9 mm Hg at 77°F (25°C)
Water Solubility:	Insoluble
Boiling Point:	590° - 594°F (310° - 312°C)
Melting Point:	347° - 354 F (175 ° - 179°C)

EXPOSURE LIMITS

OSHA:	0.2 mg/m^3, 8-hr TWA
NIOSH:	0.1 mg/m^3, 10-hr TWA
ACGIH:	lowest level possible
IDLH LEVEL:	80 mg/m^3 (as *Coal Tar Pitch Volatiles*)

PROTECTIVE EQUIPMENT

Gloves:	No information
Coveralls:	DuPont Tychem®, CPF-2, SL, CPF-4, Responder® (all >8-hr permeation time)
Boots:	No information
Respirator:	>0.1 mg/m^3 - Supplied air

HEALTH EFFECTS

Eyes:	Irritation and burns
Skin:	Irritation, rash and burning feeling
Chronic:	Cancer (stomach, skin, lung, blood, spleen, pancreas, and mammary) in animals. May affect the developing fetus Thickening and darkening of the skin and warts

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Remove contaminated clothing and wash contaminated skin with soap and water.

Transfer to a medical facility.

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BENZO(b)FLUORANTHENE**

CAS Number: 205-99-2
DOT Number: None

RTK Substance number: 0208
Date: September 1995 Revision: July 2001

HAZARD SUMMARY

* **Benzo(b)fluoranthene** can affect you when breathed in and may be absorbed through the skin.
* **Benzo(b)fluoranthene** is a CARCINOGEN--HANDLE WITH EXTREME CAUTION.
* Contact with **Benzo(b)fluoranthene** can cause skin and eye irritation.
* Because the major hazards associated with **Benzo(b)fluoranthene** come from exposure to *Coal Tar Pitch, CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEET ON COAL TAR PITCH.*

IDENTIFICATION

Benzo(b)fluoranthene is a colorless, needle-shaped solid. It is used as a research chemical and is present in coal, and coke oven emissions, and petroleum products.

REASON FOR CITATION

* **Benzo(b)fluoranthene** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, NIOSH, NTP, IARC, HHAG and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

The following exposure limits are for **Benzo(b)fluoranthene** (measured as *Coal Tar Pitch volatiles*):

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.2 mg/m^3** averaged over an 8-hour workshift.

* **Benzo(b)fluoranthene** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* A regulated, marked area should be established where **Benzo(b)fluoranthene** is handled, used, or stored.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Benzo(b)fluoranthene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Benzo(b)fluoranthene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(b)fluoranthene**:

* Contact with **Benzo(b)fluoranthene** can cause skin and eye irritation.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(b)fluoranthene** and can last for months or years:

Cancer Hazard

* **Benzo(b)fluoranthene** is a PROBABLE CARCINOGEN in humans. It has been shown to cause lung, liver and skin cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Benzo(b)fluoranthene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Benzo(b)fluoranthene** has not been tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Examine your skin periodically for growths or changes in warts or moles. Skin cancers are usually easily curable when removed early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Benzo(b)fluoranthene** from drums or other storage containers to process containers.
* A Class I, Type B, biological safety hood should be used when mixing, handling, or preparing **Benzo(b)fluoranthene**.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Benzo(b)fluoranthene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Benzo(b)fluoranthene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Benzo(b)fluoranthene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Benzo(b)fluoranthene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Benzo(b)fluoranthene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
* When vacuuming, a high efficiency particulate air (HEPA) filter should be used, not a standard shop vacuum.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Benzo(b)fluoranthene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposure over **0.1 mg/m^3** (as *Coal Tar Pitch volatiles*), use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **80 mg/m^3** (as *Coal Tar Pitch volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** (as *Coal Tar Pitch volatiles*) exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **BENZO(b)FLUORANTHENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **205-99-2**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Benzo(b)fluoranthene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water spray, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Benzo(b)fluoranthene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Benzo(b)fluoranthene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Benzo(b)fluoranthene** you should be trained on its proper handling and storage.
* A regulated, marked area should be established where **Benzo(b)fluoranthene** is handled, used, or stored.
* **Benzo(b)fluoranthene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); OZONE; NITROGEN OXIDES; and SULFUR OXIDES.
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 5×10^{-7} mm Hg at 68°F (20°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Benz(e)acephenanthrylene
Other Names:
2,3-Benzfluoranthene; 3,4-Benzfluoranthene; B(b)F

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202 H4985

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BENZO(k)FLUORANTHENE**

CAS Number: 207-08-9
DOT Number: None

RTK Substance number: 2969
Date: October 2002

HAZARD SUMMARY

* **Benzo(k)Fluoranthene** can affect you when breathed in and may be absorbed through the skin.
* **Benzo(k)Fluoranthene** should be handled as a CARCINOGEN--WITH EXTREME CAUTION.
* Contact can irritate the skin and eyes.

IDENTIFICATION

Benzo(k)Fluoranthene is a pale yellow, needle-like solid. It is primarily found in smoke from tobacco and polluted air.

REASON FOR CITATION

* **Benzo(k)Fluoranthene** is on the Hazardous Substance List because it is cited by NTP, IARC, HHAG and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

No occupational exposure limits have been established for **Benzo(k)Fluoranthene**. This does not mean that this substance is not harmful. Safe work practices should always be followed.

* **Benzo(k)Fluoranthene** may be a CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* It should be recognized that **Benzo(k)Fluoranthene** can be absorbed through your skin, thereby increasing your exposure.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Benzo(k)Fluoranthene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Benzo(k)Fluoranthene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(k)Fluoranthene**:

* Contact can irritate the skin and eyes.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(k)Fluoranthene** and can last for months or years:

Cancer Hazard

* **Benzo(k)Fluoranthene** may be a CARCINOGEN in humans since it has been shown to cause skin cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Benzo(k)Fluoranthene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Benzo(k)Fluoranthene** has not been adequately tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Benzo(k)Fluoranthene** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Benzo(k)Fluoranthene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Benzo(k)Fluoranthene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Benzo(k)Fluoranthene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Benzo(k)Fluoranthene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Benzo(k)Fluoranthene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Benzo(k)Fluoranthene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Eye protection is included in the recommended respiratory protection.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* At <u>any</u> exposure level, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include <u>dust releasing operations</u> (grinding, mixing, blasting, dumping, etc.), <u>other physical and mechanical processes</u> (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and <u>"confined space" exposures</u> (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **BENZO(k)FLUORANTHENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **207-08-9**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* Use dry chemical, CO_2, water spray, or foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Benzo(k)Fluoranthene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Remove all ignition sources.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Benzo(k)Fluoranthene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Benzo(k)Fluoranthene** you should be trained on its proper handling and storage.
* **Benzo(k)Fluoranthene** is not compatible with OZONE; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); NITROGEN; and SULFUR OXIDES.
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.

PHYSICAL DATA

Vapor Pressure: 0 mm Hg at 68°F (20°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Benzo(k)Fluoranthene
Other Names:
8,9-Benzofluoranthene; B(k)F

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

Material Safety Data Sheet

Cadmium metal, granular

ACC# 03720

Section 1 - Chemical Product and Company Identification

MSDS Name: Cadmium metal, granular
Catalog Numbers: 61213-5000, C3-500
Synonyms: None.
Company Identification:
Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
7440-43-9	Cadmium	100	231-152-8

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: silver white granules.
Danger! Flammable solid. May be fatal if inhaled. Harmful if swallowed. Causes eye, skin, and respiratory tract irritation. Contains cadmium. Cancer hazard. Avoid creating dust. Can cause lung and kidney disease. Inhalation of fumes may cause metal-fume fever. Air sensitive. May cause reproductive and fetal effects.
Target Organs: Blood, kidneys, liver, lungs, skeletal structures, prostate.

Potential Health Effects
Eye: Causes eye irritation.
Skin: Causes skin irritation.
Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Ingestion may produce fluid loss, acute renal failure, and cardiopulmonary depression.
Inhalation: May be fatal if inhaled. Inhalation of fumes may cause metal fume fever, which is characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell count. Damage may be delayed. May cause nausea, vomiting, abdominal pain, diarrhea, chest tightness, weakness, and delayed pulmonary edema. In humans inhalation causes proteinuria, an excess of protein in the urine.
Chronic: May cause respiratory tract cancer. Repeated inhalation may cause chronic bronchitis. Chronic inhalation may cause nasal septum ulceration and perforation. Cadmium and compounds may cause lung, liver and kidney damage and lung and prostate cancer in humans. May cause loss of smell, emphysema, anemia, bone demineralization, and lung fibrosis. The primary target organ

for chronic cadmium disease is clearly the kidney.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: POISON material. If inhaled, get medical aid immediately. Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Attempt rescue only after notifying at least one other person of the emergency and putting into effect established emergency procedures. Do not become a casualty yourself.
Notes to Physician: Administration of calcium disodium EDTA may be useful in acute poisoning with its use at the discretion of qualified medical personnel. Persons with kidney disease, chronic respiratory disease, liver disease, or skin disease may be at increased risk from exposure to this substance.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material can spontaneously ignite (pyrophoric) when exposed to air at normal or slightly elevated temperatures. Dust can be an explosion hazard when exposed to heat or flame. Flammable solid. May burn rapidly with flare burning effect. May re-ignite after fire is extinguished. Dangerous fire hazard in the form of dust when exposed to heat or flame.
Extinguishing Media: Use dry sand, graphite powder, dry sodium chloride-based extinguishers.
Flash Point: Not available.
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 4; Flammability: 2; Instability: 1

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. Place under an inert atmosphere.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Use spark-proof tools

and explosion proof equipment. Avoid contact with skin and eyes. Do not breathe dust, mist, or vapor. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep away from heat, sparks and flame. Do not ingest or inhale. Handle under an inert atmosphere. Store protected from air. Use only in a chemical fume hood. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Storage: Keep away from heat and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not expose to air. Store under an inert atmosphere.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood. See 29CFR 1910.1027 for regulations applying to all occupational exposures to cadmium and cadmium compounds, in all forms.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Cadmium	0.01 mg/m3 TWA; 0.002 mg/m3 TWA (respirable fraction)	9 mg/m3 IDLH (dust)	5 æg/m3 TWA; 0.1 mg/m3 TWA (fume, applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect); 0.2 mg/m3 TWA (dust, applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect); 0.3 mg/m3 Ceiling (fume, applies to any operations or sectors for which the Cadm ium standard is stayed or otherwise not in effect); 0.6 mg/m3 Ceiling (dust, applies to any operations or sectors for which the Cadmium standard is stayed or otherwise not in effect); 2.5 æg/m3 Action Level; 5 æg/m3 TWA (Do not eat, drink or chew to bacco or gum or apply cosmetics in regulated areas. Carcinogen - dust can cause lung and kidney disease. See 29 CFR 1910.1027)

OSHA Vacated PELs: Cadmium: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Granules
Appearance: silver white
Odor: odorless
pH: Not available.
Vapor Pressure: Not applicable.
Vapor Density: Not available.
Evaporation Rate: Not applicable.
Viscosity: Not applicable.
Boiling Point: 765 deg C @ 760 mmHg
Freezing/Melting Point:321 deg C
Decomposition Temperature: Not available.
Solubility: Insoluble.
Specific Gravity/Density:8.64 @ 25°C
Molecular Formula: Cd
Molecular Weight:112.40

Section 10 - Stability and Reactivity

Chemical Stability: Oxidizes when exposed to air. Easily tarnishes in moist air. Powder or liquid is pyrophoric. Contact with acid liberates gas.
Conditions to Avoid: Ignition sources, dust generation, excess heat, prolonged exposure to air.
Incompatibilities with Other Materials: Strong oxidizing agents, acids, sulfur, zinc, selenium, tellurium.
Hazardous Decomposition Products: Toxic cadmium oxide fumes.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 7440-43-9: EU9800000
LD50/LC50:
CAS# 7440-43-9:
Inhalation, rat: LC50 = 25 mg/m3/30M;
Oral, mouse: LD50 = 890 mg/kg;
Oral, rat: LD50 = 2330 mg/kg;
.

Carcinogenicity:
CAS# 7440-43-9:

- **ACGIH:** A2 - Suspected Human Carcinogen

- **California:** carcinogen, initial date 10/1/87
- **NTP:** Known carcinogen
- **IARC:** Group 1 carcinogen

Epidemiology: Occupational exposure to cadmium has been implicated in a significant increase in prostate and respiratory tract cancer. There is evidence of a significant excess of respiratory cancer deaths among a cohort of cadmium production workers, and concluded that cadmium and its compounds are potential carcinogens.
Teratogenicity: Oral, rat: TDLo = 155 mg/kg (male 13 week(s) pre-mating and female 13 week (s) pre-mating - 3 week(s) after conception) Effects on Newborn - growth statistics (e.g.%, reduced weight gain) and Effects on Newborn - behavioral.; Oral, rat: TDLo = 23 mg/kg (female 1-22 day(s) after conception) Specific Developmental Abnormalities - blood and lymphatic systems (including spleen and marrow).; Oral, mouse: TDLo = 1700 mg/kg (female 8-12 day(s) after conception) Effects on Newborn - viability index (e.g., # alive at day 4 per # born alive) and Effects on Newborn - growth statis
Reproductive Effects: Oral, rat: TDLo = 21500 ug/kg (multigenerations) Fertility - pre-implantation mortality (e.g. reduction in number of implants per female; total number of implants per corpora lutea).; Intraperitoneal, rat: TDLo = 1124 ug/kg (male 1 day(s) pre-mating) Paternal Effects - spermatogenesis (incl. genetic material, sperm morphology, motility, and count).
Mutagenicity: Micronucleus Test: Mouse, Embryo = 6 umol/L.; Cytogenetic Analysis: Hamster, Ovary = 1 umol/L.
Neurotoxicity: No information found
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: Fish: Rainbow trout: TLm = 30 ppm; 24 Hr; Hard waterFish: Striped bass: LC50 = 0.001 ppm; 24-48 Hr; Static bioassayFish: Fathead Minnow: TL50 = 7.2 ppm; 96 Hr; UnspecifiedFish: Bluegill/Sunfish: LCO = 0.08 ppm; 96 Hr; Static bioassay (Hard water) No data available.
Environmental: Cadmium can enter the air from natural sources.
Physical: No information available.
Other: No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	TOXIC SOLIDS, FLAMMABLE, ORGANIC, N.O.S.	Toxic Solid, Flammable, Organic, N.O.S. (CADMIUM METAL)

Hazard Class:	6.1	6.1
UN Number:	UN2930	UN2930
Packing Group:	I	I

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 7440-43-9 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 7440-43-9: 10 lb final RQ (no reporting of releases of this hazardous substance is required
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 7440-43-9: immediate, delayed, fire.
Section 313
This material contains Cadmium (CAS# 7440-43-9, 100%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 7440-43-9 (listed as Cadmium compounds) is listed as a hazardous air pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 7440-43-9 is listed as a Priority Pollutant under the Clean Water Act. CAS# 7440-43-9 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 7440-43-9 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:
WARNING: This product contains Cadmium, a chemical known to the state of California to cause cancer. WARNING: This product contains Cadmium, a chemical known to the state of California to cause male reproductive toxicity.
California No Significant Risk Level: CAS# 7440-43-9: 0.05 æg/day NSRL (inhalation)

European / International Regulations
European Labeling in Accordance with EC Directives

Hazard Symbols:
T+ F
Risk Phrases:
R 11 Highly flammable.
R 25 Toxic if swallowed.
R 26 Very toxic by inhalation.
R 45 May cause cancer.

Safety Phrases:
S 36/37/39 Wear suitable protective clothing, gloves and eye/face pr otection.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 53 Avoid exposure - obtain special instructions before use.

WGK (Water Danger/Protection)
CAS# 7440-43-9: No information available.
Canada - DSL/NDSL
CAS# 7440-43-9 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of D1A, B4.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 7440-43-9 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 6/28/1999
Revision #7 Date: 2/13/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **CHROMIUM**

Synonyms: Chrome; Metallic Chromium

Chemical Name: Chromium

Date: January 2000 Revision: March 2009

CAS Number: 7440-47-3

RTK Substance Number: 0432

DOT Number: UN 3089

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Description and Use

Chromium is a hard, gray, odorless solid with a metallic luster. It is used in stainless and alloy steels, in making alloys, and as an isotope in medicine and research.

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	2	-
FLAMMABILITY	3	-
REACTIVITY	0	-

FLAMMABLE POWDER
POISONOUS GASES ARE PRODUCED IN FIRE
CONTAINERS MAY EXPLODE IN FIRE

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

Reasons for Citation

- **Chromium** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, DEP, IARC and EPA.
- This chemical is on the Special Health Hazard Substance List.

- **Chromium** can affect you when inhaled.
- Contact can irritate and burn the skin and eyes with possible eye damage.
- Inhaling **Chromium** can irritate the nose and throat.
- Exposure to **Chromium** *fumes* can cause a flu-like illness called *metal fume fever.*
- **Chromium** may cause a skin allergy and an asthma-like allergy
- Inhaling **Chromium** can cause a sore and/or a hole in the "bone" (septum) dividing the inner nose.
- **Chromium** may affect the liver and kidneys.
- **Chromium** in *powder* form is FLAMMABLE and a DANGEROUS FIRE HAZARD. It may also spontaneously explode in air.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact
- Immediately flush with large amounts of water for at least 30 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while flushing. Seek medical attention.

Skin Contact
- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Inhalation
- Remove the person from exposure
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **1 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.5 mg/m^3** averaged over a 8-hour workshift.

ACGIH: The threshold limit value (TLV) is **0.5 mg/m^3** averaged over an 8-hour workshift.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects
The following acute (short-term) health effects may occur immediately or shortly after exposure to **Chromium**:

- Contact can irritate and burn the skin and eyes with possible eye damage.
- Inhaling **Chromium** can irritate the nose and throat causing coughing and wheezing.
- Exposure to **Chromium** *fumes* can cause *"metal fume fever."* This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.

Chronic Health Effects
The following chronic (long-term) health effects can occur at some time after exposure to **Chromium** and can last for months or years:

Cancer Hazard
- While **Chromium** has been tested, it is not classifiable as to its potential to cause cancer.

Reproductive Hazard
- There is no evidence that **Chromium** affects reproduction. This is based on test results presently available to the NJDHSS from published studies.

Other Effects
- Inhaling **Chromium** can cause a sore and/or a hole in the "bone" (septum) dividing the inner nose, sometimes with bleeding, discharge, and/or formation of a crust.
- **Chromium** may cause a skin allergy. If allergy develops, very low future exposure can cause itching and a skin rash.
- **Chromium** may cause an asthma-like allergy. Future exposure can cause asthma attacks with shortness of breath, wheezing, coughing, and/or chest tightness.
- Prolonged skin contact can cause burns, blisters and deep ulcers
- **Chromium** may affect the liver and kidneys.

Medical

Medical Testing
For frequent or potentially high exposure (half the TLV or greater), the following are recommended before beginning work and at regular times after that:

- Lung function tests. The results may be normal if the person is not having an attack at the time of the test.

If symptoms develop or overexposure is suspected, the following are recommended:

- Examine your skin periodically for little bumps or blisters, the first sign of "chrome ulcers." If not treated early, these can last for years after exposure.
- Evaluation by a qualified allergist can help diagnose skin allergy.
- Liver and kidney function tests

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures
- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- More than light alcohol consumption can cause liver damage. Drinking alcohol can increase the liver damage caused by **Chromium**.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Before entering a confined space where **Chromium** *powder* may be present, check to make sure that an explosive concentration does not exist.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Chromium**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Nitrile and Natural Rubber for gloves, and Tyvek®, or the equivalent, as a protective material for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear eye protection with side shields or goggles.
- If additional protection is needed for the entire face, use in combination with a face shield. A face shield should not be used without another type of eye protection.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **0.5 mg/m^3**, use a NIOSH approved negative pressure, air-purifying, particulate filter respirator with an N, R or P95 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator, and even greater protection is provided by a powered-air purifying respirator.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Chromium**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential exists for exposure over **5 mg/m^3**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **250 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **250 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- Extinguish fire using an agent suitable for type of surrounding fire. **Chromium** itself does not burn.
- **Chromium** in *powder* form is FLAMMABLE and a DANGEROUS FIRE HAZARD. It may also spontaneously explode in air.
- Use dry sand or dry chemical extinguishing agents to fight **Chromium** *powder* fires.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- CONTAINERS MAY EXPLODE IN FIRE.
- DO NOT get water inside container.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Chromium** *powder* is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.
- Keep **Chromium** *powder* out of confined spaces, such as sewers, because of the possibility of an explosion.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Chromium** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Chromium** you should be trained on its proper handling and storage.

- **Chromium** may react violently or explosively with AMMONIUM NITRATE; CARBON DIOXIDE ATMOSPHERES; BROMINE PENTAFLUORIDE; LITHIUM; NITROGEN OXIDES; and SULFUR DIOXIDE.
- **Chromium** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); STRONG ACIDS (such as HYDROCHLORIC and SULFURIC); and ALKALI METALS (such as SODIUM and POTASSIUM).
- Store in tightly closed containers in a cool, well-ventilated area.
- Sources of ignition, such as smoking and open flames, are prohibited where **Chromium** *powder* is used, handled, or stored.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

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GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **CHROMIUM**

Synonyms: Chrome; Metallic Chromium
CAS No: 7440-47-3
Molecular Formula: Cr
RTK Substance No: 0432
Description: Hard, gray, odorless solid with a metallic luster

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
2 - Health **3 - Fire** **0 - Reactivity** **DOT#:** UN 3089 **ERG Guide #:** 170 **Hazard Class:** 4.1 (Flammable Solid)	Extinguish fire using an agent suitable for type of surrounding fire. **Chromium** itself does not burn. **Chromium** in *powder* form is FLAMMABLE and a DANGEROUS FIRE HAZARD. It may also spontaneously explode in air. Use dry sand or dry chemical extinguishing agents to fight **Chromium** *powder* fires. POISONOUS GASES ARE PRODUCED IN FIRE. CONTAINERS MAY EXPLODE IN FIRE. DO NOT get water inside container.	**Chromium** may react violently or explosively with AMMONIUM NITRATE; CARBON DIOXIDE ATMOSPHERES; BROMINE PENTAFLUORIDE; LITHIUM; NITROGEN OXIDES; and SULFUR DIOXIDE. **Chromium** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); STRONG ACIDS (such as HYDROCHLORIC and SULFURIC); and ALKALI METALS (such as SODIUM and POTASSIUM).

SPILL/LEAKS

Isolation Distance:

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.

Keep **Chromium** *powder* out of confined spaces, such as sewers, because of the possibility of an explosion.

DO NOT wash into sewer.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	Noncombustible solid, Flammable *powder*
Vapor Pressure:	<0 mm Hg at 68°F (20°C) (approximate)
Specific Gravity:	7.2 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	4,788°F (2,642°C)
Melting Point:	3,452°F (1,900°C)
Molecular Weight:	52

EXPOSURE LIMITS

OSHA:	1 mg/m^3, 8-hr TWA
NIOSH:	0.5 mg/m^3, 8-hr TWA
ACGIH:	0.5 mg/m^3, 8-hr TWA
IDLH:	250 mg/m^3

The Protective Action Criteria values are:

PAC-1 = 1.5 mg/m^3 PAC-3 = 250 mg/m^3
PAC-2 = 2.5 mg/m^3

PROTECTIVE EQUIPMENT

Gloves:	Nitrile or Natural Rubber
Coveralls:	Tyvek®
Respirator:	>0.5 mg/m^3 - full facepiece APR with High efficiency filters >1.5 mg/m^3 - SCBA

HEALTH EFFECTS

Eyes:	Irritation, burns and possible eye damage
Skin:	Irritation, burns, itching, rash and skin ulcers
Inhalation:	Nose and throat irritation with coughing and wheezing Headache, fever and chills

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 30 minutes. Remove contact lenses if worn. Seek medical attention.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **CHRYSENE**

Synonyms: Benzo(a)phenanthrene

Chemical Name: Chrysene

Date: December 1999 Revision: June 2008

CAS Number: 218-01-9

RTK Substance Number: 0441

DOT Number: UN 3077

Description and Use

Chrysene is a colorless to white, crystalline solid which is used in research laboratories. It is most often found as the gaseous by-product from the incomplete combustion of fossil fuel, wood, *Coal Tar* and *Creosote*.

Reasons for Citation

- **Chrysene** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, DEP, IARC, IRIS and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

Skin Contact

- Remove contaminated clothing and wash contaminated skin with soap and water.

Inhalation

- Remove the person from exposure.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

EMERGENCY RESPONDERS >>>> SEE PAGE 6

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	3	-
FLAMMABILITY	0	-
REACTIVITY	1	-

CARCINOGEN
POISONOUS GASES ARE PRODUCED IN FIRE
DOES NOT BURN

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **Chrysene** can affect you when inhaled and by passing through the skin.
- **Chrysene** should be handled as a CARCINOGEN--WITH EXTREME CAUTION.
- Contact can irritate the skin and eyes.
- Inhaling **Chrysene** may irritate the nose and throat.
- If skin contaminated with **Chrysene** is exposed to sunlight, a rash or sunburn effect and permanent changes in skin pigment can occur
- **Chrysene** is almost always found in *Coal Tar Pitch, Creosote*, or other *Coal Tar Products*. If you work with *Coal, Tar, Soot, Pitch, Asphalt*, etc., you may be exposed to **Chrysene**.
- *For more information, consult the Right to Know Hazardous Substance Fact Sheets on COAL TAR PITCH, CREOSOTE* and *ANTHRACENE*.

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** (as *Coal Tar Pitch Volatiles, Benzene-soluble fraction*) averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.1 mg/m^3** (as *Coal Tar Pitch Volatiles, Cyclohexane-extractable fraction*) averaged over a 10-hour workshift.

ACGIH: Recommends that exposure by all routes be controlled to levels as low as possible.

- **Chrysene** may be a CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible.
- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects
The following acute (short-term) health effects may occur immediately or shortly after exposure to **Chrysene**:

- Contact can irritate the skin and eyes.
- Inhaling **Chrysene** may irritate the nose and throat causing coughing and wheezing.
- If skin contaminated with **Chrysene** is exposed to sunlight, a rash or sunburn effect can occur, sometimes with blisters.

Chronic Health Effects
The following chronic (long-term) health effects can occur at some time after exposure to **Chrysene** and can last for months or years:

Cancer Hazard
- **Chrysene** may be a CARCINOGEN in humans since it has been shown to cause skin, liver, and lung cancer in animals.
- Many scientists believe there is no safe level of exposure to a carcinogen. Such substance may also have the potential for causing reproductive damage in humans.

Reproductive Hazard
- According to the information presently available to the New Jersey Department of Health and Senior Services, **Chrysene** has not been tested for its ability to affect reproduction.

Other Effects
- Permanent changes in skin pigment can occur if contaminated skin is exposed to sunlight

Medical

Medical Testing
- There is no special test for this chemical. However, an exposed person should examine their skin periodically for growths, changes in warts or moles, and sores that do not heal. Skin cancer is easily cured when detected and treated early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures
- Persons who smoke cigarettes and are exposed to **Chrysene** may be at increased risk for lung cancer. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Use a Class I, Type B, biological safety hood when mixing, handling, or preparing **Chrysene**.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high efficiency particulate air (HEPA) filter when vacuuming. Do not use a standard shop vacuum.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Chrysene**. Wear personal protective equipment made from material that can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Nitrile or Natural Rubber for gloves and DuPont Tyvek®, or the equivalent, as protective material for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear eye protection with side shields or goggles.
- Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **0.1 mg/m^3** (as *Coal Tar Pitch Volatiles*), use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Where the potential for high exposure exists, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **80 mg/m^3** (as *Coal Tar Pitch Volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- DOES NOT BURN
- Use dry chemical, CO_2, water spray or foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Chrysene** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten spilled material first or use a HEPA-filter vacuum for clean-up.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Chrysene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Chrysene** you should be trained on its proper handling and storage.

- **Chrysene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
- Store in tightly closed containers in a cool, well-ventilated area.

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Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
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PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

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A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

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A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

Common Name: **CHRYSENE**

Synonyms: Benzo(a)phenanthrene
CAS No: 218-01-9
Molecular Formula: $C_{18}H_{12}$
RTK Substance No: 0441
Description: Colorless to white, crystalline solid

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
3 - Health **0 - Fire** **1 - Reactivity** **DOT#:** UN 3077 **ERG Guide #:** 171 **Hazard Class:** 9 (Miscellaneous Hazardous Materials)	DOES NOT BURN Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool.	**Chrysene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).

SPILL/LEAKS

Isolation Distance:
Spill: 25 meters (75 feet)
Fire: 800 meters (1/2 mile)
Moisten spilled material first or use a HEPA-filter vacuum for clean-up.
DO NOT wash into sewer.
May biodegrade in water.

PHYSICAL PROPERTIES

Odor Threshold:	Unknown
Flash Point:	Noncombustible
Vapor Pressure:	6.3 x 10.9 mm Hg at 68°F (20°C)
Specific Gravity:	1.27 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	838°F (448°C)
Melting Point:	491° to 493°F (255° to 256°C)
Ionization Potential:	7.59+/-0.2 eV
Molecular Weight:	228.3

EXPOSURE LIMITS

OSHA:	0.2 mg/m^3, 8-hr TWA
NIOSH:	0.1 mg/m^3, 10-hr TWA
ACGIH:	Lowest level possible
IDLH:	80 mg/m^3

(All of the above as *Coal Tar Pitch Volatile*)

PROTECTIVE EQUIPMENT

Gloves:	Nitrile or Natural Rubber
Coveralls:	DuPont Tyvek®
Respirator:	>0.1 mg/m^3 - Supplied air >80 mg/m3 - SCBA

HEALTH EFFECTS

Eyes:	Irritation
Skin:	Irritation, rash or sunburn with blisters can occur if contaminated skin is exposed to sunlight
Inhalation:	Nose and throat irritation with coughing and wheezing
Chronic:	Cancer (skin, liver, lungs) in animals

FIRST AID AND DECONTAMINATION

Remove the person from exposure.
Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.
Remove contaminated clothing and wash contaminated skin with soap and water.
Transfer to a medical facility.

INDUSTRIAL GAS DIVISION AIR PRODUCTS AND CHEMICALS, INC. -- OXYGEN, COMPRESSED -- 6830-01-169-3977

========== Product Identification ==========

Product ID:OXYGEN, COMPRESSED
MSDS Date:01/01/1995
FSC:6830
NIIN:01-169-3977
Status Code:A
MSDS Number: CKTPJ
=== Responsible Party ===
Company Name:INDUSTRIAL GAS DIVISION AIR PRODUCTS AND CHEMICALS, INC.
Address:7201 HAMILTON BLVD
City:ALLENTOWN
State:PA
ZIP:18195-1501
Country:US
Info Phone Num:215-481-4911
Emergency Phone Num:800-523-9374/610-481-7711
Resp. Party Other MSDS Num.:1012
CAGE:00742
=== Contractor Identification ===
Company Name:AIR PRODUCTS AND CHEMICALS INC
Address:7201 HAMILTON BLVD
Box:City:ALLENTOWN
State:PA
ZIP:18195-1501
Country:US
Phone:800-345-3148/ 800-752-1597
Contract Num:SP0450-00-M-SJ79
CAGE:00742

========== Composition/Information on Ingredients ==========

Ingred Name:OXYGEN
CAS:7782-44-7
RTECS #:RS2060000
> Wt:99.

========== Hazards Identification ==========

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: EYES, CENTRAL NERVOUS SYSTEM. INHALATION: BREATHING 80% OR MORE OXYGEN AT ATMOSPHERIC PRESSURE FOR MORE THAN A FEW HOURS MAY CAUSE NASAL STUFFINESS, COUGH, SORE THROAT, CHEST PAIN & BRE ATHING DIFFICULTY. BREATHING OXYGEN AT HIGHER PRESSURE INCREASES THE LIKELIHOOD OF ADVERSE EFFECTS WITHIN A SHORTER TIME PERIOD. BREATHING PURE OXYGEN UNDER PRESSURE MAY CAUSE LUNG DAMAGE & ALSO CNS E FFECTS, AND MAY CAUSE PROLONGATION OF ADAPTATION TO DARKNESS AND REDUCED PERIPHERAL VISION.
Explanation of Carcinogenicity:OXYGEN IS NOT LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY NTP, IARC, OR OSHA SUBPART Z.
Effects of Overexposure:BREATHING 80% OR MORE OXYGEN AT ATMOSPHERIC PRESSURE: NASAL STUFFINESS, COUGH, SORE THROAT, CHEST PAIN & BREATHING DIFFICULTY. BREATHING PURE OXYGEN UNDER PRESSURE MAY CAUSE LUNG DAMAGE & ALSO CNS EFF ECTS RESULTING IN DIZZINESS, POOR

COORDINATION, TINGLING SENSATION, VISUAL & HEARING DISTURBANCES, MUSCULAR TWITCHING, UNCONSCIOUSNESS & CONVULSIONS, MAY CAUSE PROLONGATION OF ADAPTATION TO DARKNESS & REDUCED PERIPHERAL VISION.

Medical Cond Aggravated by Exposure:PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE.

First Aid Measures

First Aid:INHALATION: MOVE VICTIM TO FRESH AIR OR IF IN ELEVATED PRESSURES REDUCE OXYGEN PRESSURES TO ONE ATMOSPHERE. CALL A PHYSICIAN. THE PHYSICIAN SHOULD BE ADVISED THAT THE VICTIM HAS BEEN EXPOSED TO A HIGH CONCENTRATION OF OXYGEN. NO TREATMENT IS REQUIRED IN THE ABSENCE OF SYMPTOMS OF HIGH PRESSURE EXPOSURE. EYE/SKIN: NOT APPLICABLE. NOTES TO PHYSICIAN: ANIMAL STUDIES SUGGEST THAT THE ADMINISTRATION OF CERTAIN DRUGS, INCLUDING PHENOTHIAZINE DRUGS AND CHLOROQUINE, INCREASE THE SUSCEPTIBILITY TO TOXICITY FROM OXYGEN AT HIGH PRESSURES. ANIMAL STUDIES ALSO INDICATE THAT VITAMIN "E" DEFICIENCY (CONTINUE D TO TOXICOLOGICAL SECTION)

Fire Fighting Measures

Flash Point:NONFLAMMABLE

Extinguishing Media:OXYGEN IS NONFLAMMABLE BUT WILL SUPPORT COMBUSTION. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:EVACUATE ALL PERSONNEL FROM THE DANGER AREA. IF POSSIBLE, SHUT OFF FLOW OF OXYGEN WHICH IS SUPPORTING THE FIRE. IMMEDIATELY COOL CONTAINERS WITH WATER SPRAY FROM MAXIMUM DISTANCE. WHEN COOL MOVE CYLIN DERS FROM FIRE AREA, IF POSSIBLE WITHOUT RISK. SELF CONTAINEED BREATHING APPARATUS MAY BE REQUIRED FOR RESCUE WORKERS.

Unusual Fire/Explosion Hazard:OXYGEN VIGOROUSLY ACCELERATES COMBUSTION. SOME MATERIALS WHICH ARE NONCOMBUSTIBLE IN AIR WILL BURN IN THE PRESENCE OF AN OXYGEN ENRICHED ATMOSPHERE (GREATER THEN 23%). FIRE RESISTANT CLOTHING MAY BURN AND OFFER NO PROTECTION IN OXYGEN RICH ATMOSPHERES. OXYGEN MAY FORM EXPLOSIVE COMPOUNDS WHEN EXPOSED TO COMBUSTIBLES.

Accidental Release Measures

Spill Release Procedures:EVACUATE ALL PERSONNEL FROM AFFECTED AREA. SHUT OFF SOURCE OF OXYGEN IF POSSIBLE. INCREASE VENTILATION TO RELEASE AREA. PERSONNEL WHO HAVE BEEN EXPOSED TO HIGH CONCENTRATIONS OF OXYGEN SHOULD STAY IN A WELL-VENTILATED OR OPEN AREA FOR 30 MINUTES BEFORE GOING INTO A CONFINED SPACE OR NEAR AN IGNITION SOURCE. IF LEAK IS FROM CONTAINER OR ITS VALVE, CALL THE AIR PRODUCTS EMERGENCY TELEPHONE NUMBER.

Handling and Storage

Handling and Storage Precautions:CYLINDERS SHOULD BE STORED UPRIGHT IN A WELL-VENTILATED, SECURE AREA, PROTECTED FROM THE WEATHER. STORAGE AREA TEMPERATURES SHOULD NOT EXCEED 125F (52C) AND AREA SHOULD BE FREE OF COMBUSTIBLE MATERIAL S. STORAGE SHOULD BE AWAY FROM HEAVILY TRAVELED AREAS AND EMERGENCY EXITS.

Other Precautions:SPECIAL REQUIREMENTS: ALWAYS STORE AND HANDLE COMPRESSED GASES IN ACCORDANCE WITH COMPRESSED GAS ASSOCIATION, INC. (PH. 703-412-0900) PAMPLET CGA P-1, SAFE HANDLING OF COMPRESSED GASES IN CONTAINERS. LOCAL REGULATIONS MAY REQUIRE

SPECIFIC EQUIPMENT FOR STORAGE OR USE.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:GENERAL USE: NONE REQUIRED. EMERGENCY: USE SCBA DUE TO POSSIBILITY OF FIRE WHEN CONCENTRATIONS EXCEED 23%.
Ventilation:PROVIDE VENTILATION AND/OR LOCAL EXHAUST TO PREVENT ACCUMULATION OF HIGH CONCENTRATIONS OF GAS (GREATER THAN 23%).
Protective Gloves:WORK GLOVES RECOMMENDED WHEN HANDLING CYLINDERS.
Other Protective Equipment:SAFETY SHOES RECOMMENDED WHEN HANDLING CYLINDERS.
Work Hygienic Practices:CLOTHING EXPOSED TO HIGH CONCENTRATIONS MAY RETAIN OXYGEN 30 MINUTES OR LONGER AND BECOME A POTENTIAL FIRE HAZARD. STAY AWAY FROM IGNITION SOURCES.
Supplemental Safety and Health
CAUTION:COMPRESSED GAS CYLINDERS SHALL NOT BE REFILLED EXCEPT BY QUALIFIED PRODUCERS OF COMPRESSED GASES. SHIPMENT OF A COMPRESSED GAS CYLINDER WHICH HAS NOT BEEN FILLED BY THE OWNER OR WITH THE OWNER 'S WRITTEN CONSENT IS A VIOLATION OF FEDERAL LAW. NSN FOR GAS ONLY: 6810-01-169-4836.

========== Physical/Chemical Properties ==========

HCC:G4
Boiling Pt:=-182.9C, -297.3F
Melt/Freeze Pt:=-218.8C, -361.9F
Vapor Pres:NOT APPLICABLE AT 70F
Spec Gravity:1.10
Solubility in Water:0.049
Appearance and Odor:COLORLESS GAS; ODORLESS.

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
OILS, GREASE, HYDROCARBONS AND FLAMMABLE MATERIALS.
Stability Condition to Avoid:NONE.
Hazardous Decomposition Products:NONE
Conditions to Avoid Polymerization:WILL NOT OCCUR.

========== Toxicological Information ==========

Toxicological Information:FROM FIRST AID: VITAMIN E DEFICIAENCY MAY INCREASE SUSCEPTIBILITY TO OXYGEN TOXICITY. AIRWAY OBSTRUCTION DURING HIGH OXYGEN TENSION MAY CAUSE ALVEOLAR COLLAPSE FOLLOWING ABSORPTION OF THE OXYGEN. SIMI LARLY, OCCLUSION OF THE EUSTACHIAN TUBS MAY CAUSE RETRACTION OF THE EARDRUM AND OBSTRUCTION OF THE PARANASAL SINUS MAY PRODUCE "VACUUM-TYPE" HEADACHE. ALL INDIVIDUALS EXPOSED FOR LONG PERIODS TO OXYGE N AT HIGH PRESSURE AND WHO EXHIBIT OVERT OXYGEN TOXICITY SHOULD HAVE OPHTHALMOLOGIC EXAMINATIONS.

========== Ecological Information ==========

Ecological:ATMOSPHERE CONTAINS 21% OXYGEN. NO ADVERSE ECOLOGICAL EFFECTS ARE EXPECTED. OXYGEN DOES NOT CONTAIN ANY CLASS I CLASS II OZONE DEPLETING CHEMICALS. OXYGEN IS LISTED AS A MARINE POLLUTANT BY DOT (29 CF R 171).

========== Disposal Considerations ==========

Waste Disposal Methods:FOR EMERGENCY DISOSAL, SECURE CYLINDER AND SLOWLY DISCHARGE GAS TO THE ATMOSPHERE IN A WELL-VENTILATED AREA OR OUTDOORS. UNUSED PRODUCT/EMPTY CONTAINER:RETURN CONTAINER AND UNUSED PRODUCT TO SUPPLIER. DO NOT ATTEMPT TO DISPOSE OF RESIDUAL OR UNUSED QUANTITIES.

MSDS Transport Information

Transport Information:PSN: OXYGEN, COMPRESSED, 2.2, UN1072. LABEL: NON-FLAMMABLE GAS, OXIDIZER.

Other Information

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International Chemical Safety Cards

COPPER

ICSC: 0240

COPPER
(powder)
Cu
Atomic mass: 63.5

CAS # 7440-50-8
RTECS # GL5325000
ICSC # 0240

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Special powder, dry sand, NO other agents.
EXPLOSION			
EXPOSURE		PREVENT DISPERSION OF DUST!	
• **INHALATION**	Cough. Headache. Shortness of breath. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
• **SKIN**	Redness.	Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
• **EYES**	Redness. Pain.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
• **INGESTION**	Abdominal pain. Nausea. Vomiting.	Do not eat, drink, or smoke during work.	Rinse mouth. Refer for medical attention.

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING
Sweep spilled substance into containers. Carefully collect remainder. Then remove to safe place (extra personal protection: P2 filter respirator for harmful particles).	Separated from: see Chemical Dangers.	

SEE IMPORTANT INFORMATION ON BACK

ICSC: 0240

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International Chemical Safety Cards

COPPER

ICSC: 0240

	PHYSICAL STATE; APPEARANCE:	ROUTES OF EXPOSURE:

I M P O R T A N T D A T A	RED POWDER, TURNS GREEN ON EXPOSURE TO MOIST AIR. **PHYSICAL DANGERS:** **CHEMICAL DANGERS:** Shock-sensitive compounds are formed with acetylenic compounds, ethylene oxides and azides. Reacts with strong oxidants like chlorates, bromates and iodates, causing explosion hazard. **OCCUPATIONAL EXPOSURE LIMITS (OELs):** TLV: ppm; 0.2 mg/m^3 fume (ACGIH 1992-1993). TLV (as Cu, dusts & mists): ppm; 1 mg/m^3 (ACGIH 1992-1993).	The substance can be absorbed into the body by inhalation and by ingestion. **INHALATION RISK:** Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly when dispersed. **EFFECTS OF SHORT-TERM EXPOSURE:** Inhalation of fume may cause metal fever (see Notes). **EFFECTS OF LONG-TERM OR REPEATED EXPOSURE:** Repeated or prolonged contact may cause skin sensitization.
PHYSICAL PROPERTIES	Boiling point: 2595°C Melting point: 1083°C	Relative density (water = 1): 8.9 Solubility in water: none
ENVIRONMENTAL DATA		

N O T E S

The symptoms of metal fume fever do not become manifest until several hours.

ADDITIONAL INFORMATION

ICSC: 0240 **COPPER**

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Right to Know

Hazardous Substance Fact Sheet

Common Name: **DIBENZ(□,□)ANTHRACENE**

Synonyms: 1,2,5,6-DBA; 1,2,5,6-Dibenzanthracene

Chemical Name: Dibenz[a,h]Anthracene

Date: August 2010

CAS Number: 53-70-3

RTK Substance Number: 0622

DOT Number: UN 3077

Description and Use

D□□□□□(□,□)A□□□r□□□□□ is a colorless, white or light yellow, crystalline (sand-like) solid. It is used as a research chemical and is found bound to particulate matter in urban air, industrial emissions and cigarette smoke. **D□□□□□(□,□)A□□□r□□□□□** has not been produced in the United States since 1978.

Reasons for Citation

- **D□□□□□(□,□)A□□□r□□□□□** is on the Right to Know Hazardous Substance List because it is cited by DOT, NTP, DEP, IARC, IRIS and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

E□□ C□□□□□□

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

S□□□ C□□□□□□

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

I□□□□□□□□

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

P□□□□□ C□□□r□□: 1-800-222-1222

CHEMTREC: 1-800-424-9300

N□DEP H□□□□□: 1-877-927-6337

N□□□□□□□R□□□□□□□□ C□□□r: 1-800-424-8802

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Hazard Summary

H□□□rd R□□□□□	N□DHSS	NFPA
HEALTH	3	-
FLAMMABILITY	1	-
REACTIVITY	0	-

CARCINOGEN
POISONOUS GASES ARE PRODUCED IN FIRE

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **D□□□□□(□,□)A□□□r□□□□□** can affect you when inhaled.
- **D□□□□□(□,□)A□□□r□□□□□** should be handled as a CARCINOGEN and MUTAGEN--WITH EXTREME CAUTION.
- Contact can irritate the skin and eyes. Prolonged or repeated contact can cause a skin rash, dryness and redness. Exposure to sunlight can greatly aggravate these effects.
- Exposure can irritate the nose and throat.
- Exposure to **D□□□□□(□,□)A□□□r□□□□□** can cause headache, dizziness, nausea and vomiting.
- **D□□□□□(□,□)A□□□r□□□□□** may affect the liver and kidneys.

Workplace Exposure Limits

No occupational exposure limits have been established for **D□□□□□(□,□)A□□□r□□□□□**. However, it may pose a health risk. Always follow safe work practices.

- **D□□□□□(□,□)A□□□r□□□□□** is a PROBABLE CARCINOGEN in humans. There may be <u>no</u> safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

A□□□ H□□□□ E□□□□□

The following acute (short-term) health effects may occur immediately or shortly after exposure to **D□□□□□(□,□)A□□□r□□□□□**:

- Contact can irritate the skin and eyes.
- Prolonged or repeated contact can cause a skin rash, dryness and redness. Exposure to sunlight can greatly aggravate these effects.
- Inhaling **D□□□□□(□,□)A□□□r□□□□□** can irritate the nose and throat causing coughing and wheezing.
- Exposure to **D□□□□□(□,□)A□□□r□□□□□** can cause headache, dizziness, nausea and vomiting.

C□r□□□□ H□□□□ E□□□□□

The following chronic (long-term) health effects can occur at some time after exposure to **D□□□□□(□,□)A□□□r□□□□□** and can last for months or years:

Cancer Hazard

- **D□□□□□(□,□)A□□□r□□□□□** is a PROBABLE CARCINOGEN in humans. There is evidence that it causes lung, skin, mammary, and other types of cancers.
- Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

- There is limited evidence that **D□□□□□(□,□)A□□□r□□□□□** may damage the developing fetus in animals.

Other Effects

- **D□□□□□(□,□)A□□□r□□□□□** may affect the liver and kidneys.

Medical

M□d□□□□T□□□□□□

If symptoms develop or overexposure is suspected, the following are recommended:

- Liver and kidney function tests

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

M□□□d E□□□□□r□□

- More than light alcohol consumption can cause liver damage. Drinking alcohol may increase the liver damage caused by **D□□□□□(□,□)A□□□r□□□□□**.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Use a Class I, Type B, biological safety hood when mixing, handling, or preparing **D□□□□□(□,□)A□□□r□□□□□**.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
- Use a high efficiency particulate air (HEPA) filter when vacuuming. Do not use a standard shop vacuum.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

G□□□□ □□d C□□□□□□

- Avoid skin contact with **D□□□□□(□,□)A□□□r□□□□□**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Nitrile and Natural Rubber for gloves, and Tyvek®, or the equivalent, as a protective clothing material.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

E□□ Pr□□□□□□□□

- Wear eye protection with side shields or goggles.
- If additional protection is needed for the entire face, use in combination with a face shield. A face shield should not be used without another type of eye protection.

R□□□□r□□□r□ Pr□□□□□□□□

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- At any detectable concentration, use a NIOSH approved negative pressure, air-purifying, particulate filter respirator with an N, R or P100 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator, and even greater protection is provided by a powered-air purifying respirator.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **D□□□□□(□,□)A□□□r□□□□□**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential for high exposure exists, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **D□□□□□(□,□)A□□□r□□□□□** may burn, but does not readily ignite.
- Use dry chemical, CO_2, water spray or foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **D□□□□□(□,□)A□□□r□□□□□** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **D□□□□□(□,□)A□□□r□□□□□** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **D□□□□□(□,□)A□□□r□□□□□** you should be trained on its proper handling and storage.

- A regulated, marked area should be established where **D□□□□□(□,□)A□□□r□□□□□** is handled, used, or stored.
- **D□□□□□(□,□)A□□□r□□□□□** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).
- Store in tightly closed containers in a cool, well-ventilated area away from SUNLIGHT.
- Sources of ignition, such as smoking and open flames, are prohibited where **D□□□□□(□,□)A□□□r□□□□□** is used, handled, or stored in a manner that could create a potential fire or explosion hazard.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

F□r □ □r□ □□□□r□ □□□□□, □□□□□□ □□□□□□□:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

A□□□□ E□□□□□r□ G□□d□□□□ L□□□□□ (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

B□□□□□ □□□□□is the temperature at which a substance can change its physical state from a liquid to a gas.

A **□□r□□□□□□** is a substance that causes cancer.

The **CAS □□□ □□r** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **□□□ □□□□□□□□** substance is a solid, liquid or gas that will burn.

A **□□rr□□□□□** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **□r□□□□□□□□ □□r□□□r□** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

E□ □r□□□□□ R□□□□□□□ P□□□□□□□ G□□d□□□□ (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **□□□□□** is an unborn human or animal.

A **□□□□ □ □□□□** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **□□□□□ □□□□□**is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

I□□□□□□□□ P□□□□□□□is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **L□□ □r E□□□□□□□□ L□□ □□**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

□ □□□ ^{3} means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **□ □□□□□□** is a substance that causes mutations. A **□ □□□□□□□** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

P□r□ □□□□d is the movement of chemicals through protective materials.

□□□ means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Pr□□□□□□□□ A□□□□□ Cr□□r□□ (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **r□□□□□□□□** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **□□r□□□□□□** is a substance that causes birth defects by damaging the fetus.

UEL or **U□□□r E□□□□□□□□ L□□ □□**is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

V□□□r D□□□□□□ is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **□□□□r □r□□□□r□** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **DIBENZ(□,□)ANTHRACENE**

Synonyms: 1,2,5,6-DBA; 1,2,5,6-Dibenzanthracene
CAS No: 53-70-3
Molecular Formula: $C_{22}H_{14}$
RTK Substance No: 0622
Description: Colorless, white or light yellow, crystalline solid

HAZARD DATA

H□□□rd R□□□□□	**F□r□□□□□□□□□**	**R□□□□□□□□□□**
3 - H□□□□□ **1 - F□r□** **0 - R□□□□□□□□□□** **DOT#:** UN 3077 **ERG G□d□#:** 171 **H□□□rd C□□□□:** 9 (Environmentally Hazardous Substance)	**D□□□□□(□,□)A□□□r□□□□□□** may burn, but does not readily ignite. Use dry chemical, CO_2, water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool.	**D□□□□□(□,□)A□□□r□□□□□** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE). Protect from SUNLIGHT.

SPILL/LEAKS

I□□□□□□□ D□□□□□□□:

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

Moisten spilled material first or use a HEPA-filter vacuum for clean-up and place into sealed containers for disposal.

DO NOT wash into sewer.

D□□□□□(□,□)A□□□r□□□□□ may bioaccumulate in sea food.

PHYSICAL PROPERTIES

V□□□r Pr□□□□r□:	1 x 10^{-10} mm Hg at 68°F (20°C)
S□□□□□□□ Gr□□□□:	1.28 (water = 1)
W□□□r S□□□□□□□□:	Insoluble
B□□□□□ P□□□:	975°F (524°C)
M□□□□□ P□□□:	511° to 513°F (266° to 267°C)
M□□□□□□r W□□□□:	278.36

EXPOSURE LIMITS

No occupational exposure limits have been established for **D□□□□□(□,□)A□□□r□□□□□**.

The Protective Action Criteria values are:

PAC-1 = 0.0025 mg/m^3
PAC-2 = 0.015 mg/m^3
PAC-3 = 15 mg/m^3

PROTECTIVE EQUIPMENT

G□□□□□:	Nitrile and Natural Rubber
C□□□r□□□:	Tyvek®
R□□□□r□□□r:	Full facepiece APR with P100 filters >15 mg/m^3 - SCBA

HEALTH EFFECTS

E□□□:	Irritation
S□□□:	Irritation, skin rash, dryness and redness
I□□□□□□□□□:	Nose and throat irritation with coughing and wheezing Headache, dizziness, nausea and vomiting
C□r□□□□:	Cancer (lung, skin, mammary) in animals

FIRST AID AND DECONTAMINATION

R□□ □□□ the person from exposure.

F□□□□ eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Q□□□□□□ remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

B□□□□ artificial respiration if breathing has stopped and CPR if necessary.

Tr□□□□□r promptly to a medical facility.

PHIBRO ENERGY USA, INC. -- DIESEL FUEL -- 9140-00-000-0184

========== Product Identification ==========

Product ID:DIESEL FUEL
MSDS Date:01/31/1994
FSC:9140
NIIN:00-000-0184
MSDS Number: BVGFN
=== Responsible Party ===
Company Name:PHIBRO ENERGY USA, INC.
Address:500 DALLAS AVE, SUITE 3200
City:HOUSTON
State:TX
ZIP:77002
Country:US
Info Phone Num:713-646-5135
Emergency Phone Num:713-923-6641, CHEMTREC 800-424-9300
Preparer's Name:SUE BOTTOM
CAGE:0V310
=== Contractor Identification ===
Company Name:PHIBRO ENERGY USA INC
Address:500 DALLAS AVE SUITE 3200
Box:City:HOUSTON
State:TX
ZIP:77002
Country:US
Phone:713-923-6641, CHEMTREC800-424-9300
CAGE:0V310

========== Composition/Information on Ingredients ==========

Ingred Name:PETROLEUM DISTILLATE, ALIPHATIC AND AROMATIC HYDROCARBONS
(VARYING FROM C9 TO C20), CONTAING ALSO INGREDIENT #2 TO 7.
Fraction by Wt: BALANCE
Other REC Limits:NONE SPECIFIED
OSHA PEL:400 PPM NAPHTHA TWA

Ingred Name:N-OCTANE
CAS:111-65-9
RTECS #:RG8400000
Fraction by Wt: <1-2%
Other REC Limits:NONE SPECIFIED
OSHA PEL:300 PPM TWA 1989
ACGIH TLV:300 PPM/375STEL;9394

Ingred Name:N-NONANE
CAS:111-84-2
RTECS #:RA6115000
Fraction by Wt: <1-3%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM
ACGIH TLV:200 PPM; 9192

Ingred Name:NAPHTHALENE (SARA III)
CAS:91-20-3
RTECS #:QJ0525000
Fraction by Wt: <1-3%
Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 PPM
ACGIH TLV:10 PPM/15 STEL; 9394
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:HEXANE ISOMERS (OTHER THAN N-HEXANE)
Fraction by Wt: <1-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:500 PPM

Ingred Name:N-HEXANE
CAS:110-54-3
RTECS #:MN9275000
Fraction by Wt: <1-2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM 1989
ACGIH TLV:50 PPM; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:N-HEPTANE
CAS:142-82-5
RTECS #:MI7700000
Fraction by Wt: <1-2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM TWA 1989
ACGIH TLV:400 PPM/500STEL;9394

Ingred Name:HYDROGEN SULFIDE (SARA III)
CAS:7783-06-4
RTECS #:MX1225000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C, 20 PPM
ACGIH TLV:10 PPM/15 STEL; 9394
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Hazards Identification

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE-INHALATION:CNS EFFECTS, RESPIRATORY IRRITATION. EYES:SEVERE IRRITATION. INGESTION:HARMFUL OR FATAL, IRRITATION OF GI TRACT. ASPIRATION INTO THE LUNGS CAN CAUSE SEVERE CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL. SKIN:REPEATED EXPOSURE MAY CAUSE IRRITATION. CHRONIC:DERMATITIS. TARGET ORGANS:SKIN, LUNG, CNS.
Explanation of Carcinogenicity:PER NIOSH BULLETIN 50 A POTENTIAL OCCUPATIONAL CARCINOGENIC HAZARD EXISTS DUE TO HUMAN EXPOSURE TO DIESEL EXHAUST.
Effects of Overexposure:EYE:IRRITATION, REDNESS, TEARING, BLURRED VISION, CONJUCTIVITIS. SKIN:IRRITATION, DRYNESS, REDNESS, ITCHING. INHAL:HEADACHE, DIZZINESS, DROWZINESS, NAUSEA, VOMITNING, TREMORS, CONVULSIONS, IRREGULAR H EART BEAT. INGESTION: G/I IRRITATION AND SYMPTOMS SIMILAR TO INHALATION.
Medical Cond Aggravated by Exposure:EYE, SKIN, HEART, CNS, AND RESPIRATORY DISORDERS MAY BE AGGARAVATED BY OVEREXPOSURE.

First Aid Measures

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION:REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE:I MMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION:GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS.

Fire Fighting Measures

Flash Point:125F,52C
Lower Limits:0.4%
Upper Limits:8.0%
Extinguishing Media:CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:EVACUATE AREA. USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT TO FIGHT FIRE. USE WATER SPRAY TO COOL EXPOSED CONTAINERS. DIRECT WATER SPRAY MAY SPREAD FIRE
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG GROUND OR FLOOR, THEN 'FLASH BACK' FROM A DISTANT IGNITION SOURCE. TOXIC FUMES & GASES ARE PRODUCED BY FIRE.

Accidental Release Measures

Spill Release Procedures:EVACUATE AREA. WEAR PROTECTIVE EQUIPMENT. SHUT OFF SOURCE IF POSSIBLE & CONTAIN SPILL. REMOVE IGNITION SOURCES. KEEP OUT OF WATER RESOURCES AND SEWERS. ABSORB IN INERT MATERIAL OR RECOVER BY PUMPING. TRANSFER TO DISPOSAL DRUMS.
Neutralizing Agent:NONE

Handling and Storage

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, FLAME. STORE IN WELL VENTILATED AREA. GROUND CONTAINERS DURING TRANSFER. STORE IN CLOSED CONTAINER.
Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE. DO NOT PRESSURIZE, CUT, WELD OR EXPOSE TO HEAT, FLAME, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY.

Exposure Controls/Personal Protection

Respiratory Protection:FOR CONCENTRATIONS EXCEEDING RECOMMENDED LEVEL, USE NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR. FOR SPILL OR IF CONCENTRATION IS UNKNOWN, USE NIOSH/MSHA SUPPLIED AIR RESPIRATOR OR SCBA.
Ventilation:GENERAL OR MECHANICAL
Protective Gloves:NEOPRENE OR NITRILE
Eye Protection:SAFETY GLASSES OR CHEMICAL SPLASH GOGGLE
Other Protective Equipment:PROTECTIVE GARMENTS TO PREVENT SKIN CONTACT.
Work Hygienic Practices:DO NOT EAT, DRINK OR SMOKE WHILE WORKING WITH THIS PRODUCT.
Supplemental Safety and Health
DANGER! UNTREATED PRODUCT MAY CONTAIN OR RELEASE HYDROGEN SULFIDE. H2S IS A HIGHLY TOXIC AND FLAMMABLE GAS WHICH CAN BE FATAL IF INHALED AT CERTAIN CONCENTRATION.

Physical/Chemical Properties

HCC:F4
NRC/State Lic Num:NONE

Boiling Pt:B.P. Text:325F,163C
Vapor Pres:<0.1 PSI
Vapor Density:3-7
Spec Gravity:0.84 - 0.93
Viscosity:8 CST @ -4F
Solubility in Water:NEGLIGIBLE
Appearance and Odor:CLEAR TO STRAW COLORED LIQUID, KEROSENE ODOR.
Percent Volatiles by Volume:NEGLIG

Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, STRONG ACIDS, CAUSTICS AND HALOGENS.
Stability Condition to Avoid:OPEN FLAMES, SOURCES OF IGNITION, STATIC ELECTRICITY.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND REACTIVE HYDROCARBONS (LDEHYDES, AROMATICS, ETC) COMPOUNDS.

Disposal Considerations

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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AMERADA HESS CORP -- PREMIUM UNLEADED GASOLINE -- 9130-00N038435

========== Product Identification ==========

Product ID:PREMIUM UNLEADED GASOLINE
MSDS Date:01/13/1989
FSC:9130
NIIN:00N038435
MSDS Number: BQXMS
=== Responsible Party ===
Company Name:AMERADA HESS CORP
Address:1 HESS PLAZA
City:WOODBRIDGE
State:NJ
ZIP:07095
Country:US
Info Phone Num:201-750-6000
Emergency Phone Num:800-424-9300(CHEMTREC)
CAGE:4N717
=== Contractor Identification ===
Company Name:AMERADA HESS CORP
Address:1 HESS PLAZA
Box:City:WOODBRIDGE
State:NJ
ZIP:07095-1229
Country:US
Phone:908-750-6000, CHEMTREC 800-424-9300
CAGE:4N717

========== Composition/Information on Ingredients ==========

Ingred Name:ING 17:OPEN SPILLS MAY EMIT FLAMM VAPS. APPROACH FROM
UPWIND IF POSS. AVOID BRTHG EMITTED VAPS. WEAR NIOSH/MSHA (ING 19)
RTECS #:9999999ZZ

Ingred Name:ING 18:APPRVD SELF CNTND POSITIVE PRESS BRTHG APPARATUS, IF
REQD, TO PVNT INHAL OF VAPS.
RTECS #:9999999ZZ

Ingred Name:WASTE DISP METH:OF VOLATILE, FLAMMABLE, VAPORS.
RTECS #:9999999ZZ

Ingred Name:OTHER PREC: IGNIT. USE ONLY AS A MOTOR FUEL. HNDLE,
TRANSPORT & STORE I/A/W APPLIC LAWS & REGS. ELEC EQUIP (ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21:SHOULD BE APPRVD FOR CLASSIFIED AREA. REMOVE SOILED
CLTHG & LAUNDER BEFORE-REUSE. DISCARD OIL SOAKED (ING 23)
RTECS #:9999999ZZ

Ingred Name:ING 22:SHOES. WEAR FULL LNGTH CLTHG, & LAUNDER ON A REGULAR
& FREQ BASIS. VENT MUST BE SUFFICIENT TO PVNT (ING 24)
RTECS #:9999999ZZ

Ingred Name:ING 23:ACCUMULATION OF TOX/FLAMM CONC OF VAPOR IN AIR.
RTECS #:9999999ZZ

Ingred Name:HYGIENE PRACT: UPWIND OF VAPOR OR MIST RELEASE, SPILL OR
LEAK.

RTECS #:9999999ZZ

Ingred Name:ETHER, TERT-BUTYL METHYL; (METHYL TERT-BUTYL ETHER &/OR
TERT-AMYL METHYL ETHER, CAS # 994-05-8)
CAS:1634-04-4
RTECS #:KN5250000
Fraction by Wt: <15%
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TOLUENE
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 15-<30%
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:XYLENE (MIXED ISOMERS)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 10-<15%
OSHA PEL:100 PPM;150 PPM STEL
ACGIH TLV:100 PPM;150 PPM STEL
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:BENZENE
CAS:71-43-2
RTECS #:CY1400000
Fraction by Wt: 0.1-<5%
OSHA PEL:10 PPM
ACGIH TLV:10 PPM
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:BENZENE, ETHYL-; (ETHYL BENZENE)
CAS:100-41-4
RTECS #:DA0700000
Fraction by Wt: <3%
OSHA PEL:100 PPM;125 STEL
ACGIH TLV:100 PPM;125 STEL
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:BENZENE, 1,2,4-TRIMETHYL-; (1,2,4-TRIMETHYLBENZENE)
CAS:95-63-6
RTECS #:DC3325000
Fraction by Wt: <6%

Ingred Name:SUPP DATA: IGNIT. VAPS CAN READILY FORM EXPLOS MIXT IN AIR.
HVR/AIR VAPS CAN FLOW ALONG SURF TO DIST SOURCES (ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8:IGNIT & FLASH BACK. FLOWING GASOLINE CAN BE IGNITED
BY SELF-GENERATED STATIC ELEC. RUNOFF TO SEWERS (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9: MAY CREATE FIRE &/OR EXPLOSION HAZARD.

RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:DISEASE, INCL LEUKEMIA, AFTER RPTD & PRLNGD EXPOS @ HIGH CONC.INHAL TO 100 PPM MAY CAUSE SLIGHT (ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11:DROW & HDCH. 100-200 PPM MAY CAUSE FATG, NAUS, ITCH & WILL FATG OLFACTORY SENSES.IMMED DANGER TO HLTH/ (ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12:LIFE IS REPRESENTED BY 2,000 PPM. INGEST & INHAL OF LIQ &/OR EXCESS VAPS CAN HAVE AN ANESTH EFT, CAUSE (ING 14)
RTECS #:9999999ZZ

Ingred Name:ING 13:VERTIGO, BLURRED VISION, VOMIT & CYANOSIS. OVEREXP MAY CAUSE CNS DEPRESS. NOTE: TOLUENE CAS# 108-88-3 (ING 15)
RTECS #:9999999ZZ

Ingred Name:ING 14:APPEARS ON NAVY LIST OF OCCUP REPROD HAZ. SEEK CONSULTATION FROM APPROP HLTH PROFESSIONALS CONCERNING (ING 16)
RTECS #:9999999ZZ

Ingred Name:ING 15:LATEST HAZ LIST INFO & SAFE HANDLING AND EXPOSURE RECOMMENDATION .
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: ANIMAL/AQUATIC LIFE. CAUTION-EVAC ALL NON-ESSENTIAL PERS. SPILLED MATL MAY CAUSE SLIPPERY CNDTNS. (ING 18)
RTECS #:9999999ZZ

Ingred Name:GASOLINE CONTAINING INGS 2-7
CAS:8006-61-9
RTECS #:LX3300000
Fraction by Wt: 100%
OSHA PEL:300 PPM;500 STEL
ACGIH TLV:300 PPM;500 STEL

========== Hazards Identification ==========

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE/CHRONIC: HARMFUL/FATAL IF SWALLOWED/ASPIRATED. LONG TERM EXPOS TO VAPS HAS CAUSED CANCER IN SOME LAB ANIMALS. INGEST MAY CAUSE GI DISTURB. ASPIR INTO LUNGS MAY CAUSE PNEUM. PRLNGD CONT W/SKIN MA Y RSLT IN DEFAT/RED, ITCH, INFLAMM, CRACK & POSS SECONDARY INFECTION. HAS A LOW ORDER OF ACUTE ORAL TOX(EFTS OF OVEREXP)
Explanation of Carcinogenicity:BENZENE: OSHA REG 29 CFR 1910.1028, REV JUL 92; KNOWN CARCINOGEN (NTP) NTP 6TH ANN RPT, 1991; IARC 2B,VOL45,P159,1989.
Effects of Overexposure:HLTH HAZ:IF INGESTED, BUT MIN AMTS ASPIRATED DURING SUCH INGEST MAY CAUSE DEATH. HIGH PRESS SKIN INJECTIONS ARE SERIOUS MED EMER! RPTD/PRLNGD EXPOS TO VAPS CNTNG HIGH CONC OF BENZENE MAY CAUSE ANEMIA & OTHER BLOOD DISEASES, INCL LEUKEMIA. BENZENE IS RECOGNIZED AS HAVING POTNTL TO INDUCE ANEMIA & OTHER BLOOD (ING 11)
Medical Cond Aggravated by Exposure:OPEN WOUNDS, SKIN DISORDERS, CHRONIC RESPIRATORY DISEASE OR PRE-EXISTING CENTRAL NERVOUS SYSTEM

DISEASE.

First Aid Measures

First Aid:INHAL: REMOVE TO FRESH AIR, PROVIDE OXYGEN THERAPY &/OR RESUSCITATION AS INDICATED. SKIN: REMOVE CONTAMINATED CLOTHING & FLUSH WITH SOAP AND WATER. EYE: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. INGES T: RINSE MOUTH W/WATER. KEEP CALM AND WARM. DO NOT INDUCE VOMIT! ASPIRATION OF MATERIAL INTO LUNGS MAY CAUSE CHEMICAL PNEUMONIA. CALL PHYSICIAN IMMEDIATELY.

Fire Fighting Measures

Flash Point Method:TCC
Flash Point:-40F,-40C
Lower Limits:1.4%
Upper Limits:7.4%
Extinguishing Media:ANY APPRVD EXTING AGENT FOR CLASS B FIRES, DRY CHEM, FOAM, CARBON DIOXIDE/HALON. WATER IS NOT ORD EFTIVE. (SUPP DATA)
Fire Fighting Procedures:NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP. AVOID INHAL OF VAPS. WATER SHOULD BE USED TO KEEP EXPOS CONTRS COOL. APPROACH FROM UPWIND IF POSSIBLE.
Unusual Fire/Explosion Hazard:CLASS 1A FLAMM LIQ. KEEP AWAY FROM HEAT, SOURCES OF IGNIT & OXIDIZERS. BURNING MAY CAUSE EMISSION OF TOX PROD OF COMBUST. EMPTY PROD CNTRS/VESSELS (SUPP DATA)

Accidental Release Measures

Spill Release Procedures:CNTN ALL SPILLS. ABSORB ALL FREE LIQ. REMOVE ALL IGNIT SOURCES & SAFELY STOP FLOW OF SPILL. PVNT FROM ENTERING ALL BODIES OF WATER. COMPLY W/ALL APPLIC LAWS & REGS. ABSORB MATL, PADS, SAND/EARTH MAY B E USED. CONTAM WATER/SOIL MAY BE HAZ TO(ING 17)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling and Storage

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS & OPEN FLAME. AVOID BRTHG VAP/MIST. AVOID SKIN/EYE CONTACT. KEEP CONTAINERS CLOSED & PLAINLY LABELED.
Other Precautions:TRANSFER LINES MUST BE BONDED & GROUNDED TO PVNT POTNTL ACCUMULATION OF STATIC ELEC. NO SMOKING IN AREAS OF HNDLG/STOR. STOR SHOULD BE IN TIGHTLY CLSD CONTRS IN COOL, DRY, ISOLATED & WELL VENTD AREA A WAY FROM POTNTL SOURCE OF (ING 21)

Exposure Controls/Personal Protection

Respiratory Protection:NIOSH/MSHA APPRVD SELF CNTND, POSITIVE PRESSURE, BREATHING APPARATUS IN CONFINED SPACES/WHEN EXPOSED TO HEAVY MIST.
Ventilation:LOCAL EXHAUST: GENERALLY NOT REQD. MECH(GEN): EXPLOSION PROOF (APPROVED FOR CLASSIFIED AREA). SPECIAL: NONE REQUIRED.
Protective Gloves:IMPERVIOUS.
Eye Protection:CHEM WORK GOG OR FULL LNGTH FSHLD.
Other Protective Equipment:IMPERVIOUS CLOTHING AS REQUIRED TO PREVENT SKIN CONTACT. EYE WASH/BATH READILY AVAILABLE WHERE EYE CONTACT IS POSSIBLE.
Work Hygienic Practices:WASH SKIN THORO W/SOAP & WATER BEFORE EATING, DRINK/SMOKING. VENT MAY BE USED TO CTL/REDUCE AIRBORNE CONC. STAND(ING 25)

Supplemental Safety and Health
VP: 275-475@68F (VARIES SEASONALLY). APPEAR/ODOR: (CLEAR RED, BRONZE & YELLOW ARE TYPICAL). EXTING MEDIA: HOWEVER, WATER FOG MAY BE USED BY EXPER FIRE FIGHTERS FOR INTENSITY CTL, & TO COOL EXPOSED ARE AS. EXPLO HAZ: MAY CNTN EXPLOS VAPS. DONOT PRESSURIZE, CUT, HEAT, WELD/EXPOSE SUCH CONTRS/VESSELS TO SOURCE OF (ING 8)

========== Physical/Chemical Properties ==========

Boiling Pt:B.P. Text:>85F,>29.4C
Vapor Pres:SUPP DATA
Vapor Density:3-4
Spec Gravity:0.76(H*2O=1)
Evaporation Rate & Reference:10-11(BUTYL ACETATE=1)
Solubility in Water:SLIGHT
Appearance and Odor:CLEAR LIQ W/CHARACT AROMATIC ODOR.MAY BE DYED FOR IDENTIFICATION (SUPP DATA)
Percent Volatiles by Volume:100

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS. COMBINATION OF NITRIC AND SULFURIC ACIDS.
Stability Condition to Avoid:AVOID HANDLING OR STORING NEAR HEAT, SPARKS/OPEN FLAME.
Hazardous Decomposition Products:CONTACT WITH NITRIC AND SULFURIC ACIDS WILL FORM NITROCRESOLS THAT CAN DECOMPOSE VIOLENTLY.

========== Disposal Considerations ==========

Waste Disposal Methods:DISPOSE OF PROD & CONTAMD MATL AS EPA "IGNITABLE HAZ WASTE". USE ONLY APPRVD TRTMT TRANSPORTERS & DISP SITE IN COMPLIANCE W/ALL APPLIC FED, ST & LOC REGS . MAINTAIN SURVEILLANCE OF ABSORBED MATL UNTIL FINAL DISP TO OBSERVE FOR EMISSION (ING 20)

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FISHER SCIENTIFIC -- HYDROCHLORIC ACID 0.01 TO 2.0N, S70041-3, S71

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MSDS Safety Information

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FSC: 6810
NIIN: 01-467-0897
MSDS Date: 12/01/1999
MSDS Num: CLGVP
Product ID: HYDROCHLORIC ACID 0.01 TO 2.0N, S70041-3, S718255, S74856MF
MFN: 01
Responsible Party
Cage: IB464
Name: FISHER SCIENTIFIC
Address: 1 REAGENT LANE
City: FAIRLAWN NJ 07410
Info Phone Number: 201-796-7100
Emergency Phone Number: 201-796-7100
Resp. Party Other MSDS No.: ACC40067 SA481
Chemtrec IND/Phone: (800)424-9300
Review Ind: Y
Published: Y

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Contractor Summary

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Cage: IB464
Name: FISHER SCIENTIFIC CO
Address: 1 REAGENT LANE
City: FAIRLAWN NJ 07410
Phone: 201-796-7100

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Item Description Information

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Ingredients

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Cas: 7647-01-0
RTECS #: MW4025000
Name: HYDROCHLORIC ACID. (EINECS# 231-595-7)
% low Wt: .03
% high Wt: 6.1
Other REC Limits: 50 PPM NIOSH IDLH
OSHA PEL: C 7 MG/M3; C 5 PPM
ACGIH TLV: C 7.5 MG/M3; C 5 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 7732-18-5
RTECS #: ZC0110000
Name: WATER. (EINECS# 231-791-2)
% low Wt: 92.3
% high Wt: 99.
Other REC Limits: NONE LISTED
OSHA PEL: NONE LISTED
OSHA STEL: NONE LISTED
ACGIH TLV: NONE LISTED
ACGIH STEL: NONE LISTED

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Health Hazards Data

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Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Carcinogenicity Inds - NTP: YES

IARC: YES
OSHA: YES
Effects of Exposure: DANGER! CORROSIVE. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE SEVERE EYE IRRITATION AND POSSIBLE INJURY. CAUSES EYE AND SKIN IRRITATION AND POSSIBLE BURNS. CAUSES DIGESTIVE AND RESPIRATORY TRACT IRRITATIO N WITH POSSIBLE BURNS. TARGET ORGANS:NONE. EYE: MAY RESULT IN CORNEAL INJURY. MAY CAUSE PAINFUL SENSITIZATION TO LIGHT. MAY CAUSE CONJUNCTIVITIS. CAUSES EYE IRRIRTATION AND POSSIBLE BURNS. SKIN: MAY CAUSE PHOTOSENSITIZATION IN CERTAIN INDIVIDUALS. CAUSES SEVERE SKIN IRRITATION AND POSSIBLE BURNS. INGESTION: MAY CAUSE SEVERE GASTROINTESTINAL TRACT IRRITATION WITH NAUSEA, VOMITING AND POSSIBLE BURN S. (SIGNS AND SYMPTOMS OF OVEREXPOSURE)
Signs And Symptions Of Overexposure: HEALTH HAZARDS ACUTE AND CHRONIC (CONT): MAY BE HARMFUL IS SWALLOWED. INHALATION: MAY CAUSE BURNS TO THE RESPIRATORY TRACT. MAY CAUSE IRRITATION AND BURNING OF THE EYES, LACHRYMATION, COUGHING AND IR RITATION OF NOSE AND THROAT. CHRONIC: PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMATITIS. REPEATED EXPOSURE MAY CAUSE EROSION OF TEETH. MAY CAUSE CONJUNCTIVITIS AND PHOTOSENSITIZATION.
First Aid: EYES: GET MEDICAL AID IMMEDIATELY. DO NOT ALLOW VICTIM TO RUB OR KEEP EYES CLOSED. EXTENSIVE IRRIGATION IS REQUIRED (AT LEAST 30 MINS). SKIN: GET MEDICAL AID IMMEDIATELY. IMMEDIATELY FLUSH SKIN WITH P LENTY OF SOAP & WATER FOR AT LEAST 15 MINS WHILE REMOVING CONTAMINATED CLOTHING & SHOES. WASH CLOTHING BE REUSE. INGESTION: NEVER GIVE ANYTHING BY MOUTHT AN UNCONSCIOUS PERSON. GET MEDICAL AID IMMEDIA TELY. DO NOT INDUCE VOMITING. IF CONSCIOUS AND ALERT, RINSE MOUTH AND DRINK 2-4 CUPFULS OF MILK OR WATER. INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL R ESPIRATION. (SPILL RELEASE PROCEDURES)

Handling and Disposal

Spill Release Procedures: USE PROPER PERSONAL PROTECTIVE EQUIPMENT AS INDICATED IN CONTROL MEASURES. LARGE SPILLS MAY BE NEUTRALIZED WITH DILUTE ALKALINE SOLUTIONS OF SODA ASH OR LIME. SWEEP UP OR ABSORB MATERIAL, THEN PLACE I NTO A SUITABLE CLEAN, DRY, CLOSED CONTAINER FOR DISPOSAL. PROVIDE VENTALATION. FIRSTAID (CONT): IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL AID. NOTES TO PHYSICIAN: TREAT SYMPTOMATICALLY.
Waste Disposal Methods: DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS. RCRA P-SERIES: NONE LISTED. RCRA U-SERIES: NONE LISTED.
Handling And Storage Precautions: HANDLING: WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. USE ONLY IN A WELL VENTILATED AREA. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT INGEST OR INHALE. D O NOT ALLOW CONTACT WITH WATER. STORAGE: DO NOT STORE IN DIRECT SUNLIGHT. (OTHER PRECAUTIONS).
Other Precautions: HANDLING AND STORAGE PRECAUTIONS: (CONT): KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM INCOMPATIBLE SUBTANCES. CORROSIVES AREA.

Fire and Explosion Hazard Information

Extinguishing Media: SUBSTANCE IS NONFLAMMABLE; USE AGENT MOST APPROPRIATE TO EXTINGUISH SURROUNDING FIRE. IN CASE OF FIRE USE WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, (UNUSUAL FIRE & EXPLOSION HAZARD)
Fire Fighting Procedures: AS IN ANY FIRE, WAER A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND, NIOSH (APPROVED OR EQUIVALENT), AND FULL PROTECTIVE GEAR. NOT FLAMMABLE, BUT REACTS WITH MOST METALS TO FORM FLAMMABLE HYD ROGEN GAS. USE WATER SPRAY TO KEEP FIRE-EXPOSED CONTAINERS COOL.
Unusual Fire/Explosion Hazard: N/P. EXTINGUISHING MEDIA (CONT): OR ALCOHOL-RESISTANT FOAM. DO NOT GET WATER INSIDE CONTAINERS.

Control Measures

Respiratory Protection: FOLLOW THE OSHA RESPIRATOR REGULATIONS FOUND IN 29CFR1910.134 OR EUROPEAN STANDARD EN 149. ALWAYS USE A NIOSH OR EUROPEAN

STANDARD EN 149 APPROVED RESPIRATOR WHEN NECESSARY. EXPOSURE LIMITS: (SEE INGREDIENTS SECTION - FP N). OSHA VACATED PELS: HYDROCHLORIC ACID: NO OSH VACATED PELS FOR THIS CHEMICAL. WATER: NO OSHA VACATED PELS FOR THIS CHEMICAL.
Ventilation: USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP AIRBORNE CONCENTRATIONS BELOW THE PERMISSABLE EXPOSURE LIMITS.
Protective Gloves: WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT SKIN EXPOSURE.
Eye Protection: WEAR APPROPRIATE CHEMICAL SAFETY GOGGLES AS (SUPPLEMENTAL SAFETY & HEALTH)
Other Protective Equipment: WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.
Supplemental Safety and Health: CONTROL MEASURES (CONT): DESCRIBED BY OSHA'S EYE & FACE PROTECTION REGULATIONS IN 29 CFR 1910.133 OR EUROPEAN STANDARD EN166. PHYSICAL / CHEMICAL PROPERTIES (CONT): DECOMPOSITION TEMPERATURE: N OT AVAILABLE. MOLECULAR FORMULA: HCL. MOLECULAR WEIGHT: 36.46.

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Physical/Chemical Properties

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HCC: C1
Boiling Point: =100.C, 212.F
Melt/Freeze Pt: =0.C, 32.F
Vapor Pres: NOT AVAILABLE
Spec Gravity: 1.0 -1.2
PH: 1.1 (0.1N SOL)
Viscosity: NOT AVAILABLE
Evaporation Rate & Reference: >1
Solubility in Water: SOLUBLE IN WATER.
Appearance and Odor: CLEAR, COLORLESS LIQUID. PUNGENT ODOR.

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Reactivity Data

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Stability Indicator: YES INE, (ECOLOGICAL INFO)
Stability Condition To Avoid: INCOMPATIBLE MATERIALS, LIGHT.
Materials To Avoid: ACETATE, ACETIC ANHYDRIDE,ALCOHOLS + HYDROGEN CYANIDE, 2-AMINOETHANOL, AMMONIUM HYDROXIDE, CALCIUM CARBIDE, CALCIUM PHOSHIDE, CESIUM ACETYLENE CARBIDE, CESIUM CARBIDE, CHLOROSULFONIC ACID, 1,1-DIFLUOROETHYLENE, ETHYLENE DIA
Hazardous Decomposition Products: HYDROGEN CHLORIDE, HYDROGEN GAS.
Hazardous Polymerization Indicator: NO

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Toxicological Information

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Toxicological Information: LD50 / LC50: CAS# 7647-01-0: INHAL, MOUSE: LC50=1108 PPM/1H; INHAL, RAT: LC50 = 3124 PPM/1H; ORAL, RABBIT: LD50=900 MG/KG. CAS# 7732-18-5: ORAL, RAT: LD50 = >90 ML/KG. CARCINOGENICITY: HYDROCHLORI C ACID - IARC: GROUP 3 CARCINOGEN. WATER - NOT LISTED BY ACGIH, IARC, NIOSH, NTP OR OSHA. EPIDEMIOLOGY: NO INFORMATION AVAILABLE. TERATOGENICITY: EMBRYO OR FETUS: STUNTED FETUS, INHALATION, RAT TC LO = 450 MG/M3/1H SPECIFIC DEVELOPMENTAL ABNORMALITIES: HOMEOSTASIS, INHALATION, RAT TCLO = 450 MG/M3/1H. REPRODUCTIVE EFFECTS: NO INFORMATION AVAILABL. NEUROTOXICITY: NO INFO AVAIL. MUTAGENICITY: N O INFO AVAILABLE. OTHER STUDIES: NONE.

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Ecological Information

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Ecological: ECOTOXICITY: TROUT LC100=10 MG/L/24H SHRIMP LC50=100-330 PPM STARFISH LC50=100-330MG/L/48H SHORE CRAB LC50=240 MG/L/48H CHRONIC PLANT TOXICITY=100 PPM. ENVIROMENTAL FATE: SUBSTANCE WILL NEUTRALIZE S OIL CARBONATE-BASED COMPONENTS. PHYSICAL/CHEMICAL: NO INFORMATION AVAILABLE. OTHER: NONE. MATERIALS TO AVOID (CONT): ETHYLENEIMINE, FLUORINE, LITHIUM SILICIDE, MAGNESIUM BORIDE, MERCURIC SULFA TE, OLEUM, PERCHLORIC ACID, POTASSIUM PERMANGANATE,B-PROPIOLACTONE, PROPYLENE OXIDE, RUBIDUM ACETYLENE CARBIDE, RUBIDUM CARBIDE, SILVER PERCHLORATE + CARBON

TETRACHLORIDE, SODIUM, SODIUM HYDROXIDE, S ULFURIC ACID, URANIUM (TRANSPORT INFO)

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MSDS Transport Information

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Transport Information: US DOT: SHIPPING NAME: HYDROCHLORIC ACID. HAZARD CLASS: 8. UN NUMBER: UN1789. PACKING GROUP: II. IMO: NOT REGULATED AS A HAZARDOUS MATERIAL. IATA: NOT REGULATED AS A HAZARDOUS MATERIAL. RID/ADR: NOT REGULATED AS A HAZARDOUS MATERIAL. CANADIAN TDG: SHIPPING NAME: HYDROCHLORIC ACID SOLUTION. HAZARD CLASS: 8(9.2). UN NUMBER: UN1789. ECOLOGICAL INFO (CONT): PHOSPHIDE, VINYL ACETATE. SUB STANCE POLYMERIZES ON CONTACT WITH ALDEHYDES OR EPOXIDES.

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Regulatory Information

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Sara Title III Information: SECTION 302 (RQ): CAS # 7647-01-0: FINAL RQ = 5000 POUNDS (2270 KG). SECTION 302 (TPQ) CAS# 7647-01-0: TPQ =500 POUNDS; RQ = 5000 POUNDS (DOES NOT MEET TOXICITY CRITERIA BUT BECAUSE OF HIGH PRODUCTIO N VOLUME AND RECOGNIZED TOXICITY IS CONSIDERED A CHEMICAL CONCERN). SARA CODES: CAS# 7647-01-0: ACUTE. SECTION 313: THIS CHEMICAL IS NOT A HIGH ENOUGH CONCENTRATION TO BE REPORTABLE UNDER SECTION 313 . NO CHEMICALS ARE REPORTABLE UNDER SECTION 313.

Federal Regulatory Information: TSCA: CAS# 7647-01-0 IS LISTED ON THE TSCA INVENTORY. CAS# 7732-18-5 IS LISTED ON THE TSCA INVENTORY. HEALTH AND SAFETY REPORTING LIST: NONE OF THE CHEMICALS ARE ON THE HEALTH AND SAFETY REPORTING LI ST. CHEMICAL TEST RULES:NONE OF HE CHEMICALS IN THIS PRODUCT ARE UNDER A CHEMICAL TEST RULE. SECTION 12B: NONE OF THE CHEMICALS ARE LISTED UNDER TSCA SECTION 12B. TSCA SIGNIFICANT NEW USE RULE: NONE OF THE CHEMICALS IN THIS MATERIAL HAVE A SNUR UNDER TSCA. CLEAN AIR ACT: CAS# 7647-01-0 IS LISTED AS A HAZARDOUS AIR POLLUTANT (HAP). THIS MATERIAL DOES NOT CONTAIN ANY CLASS 1 OZONE DEPLETORS. THIS MATERIAL DOES NOT (OTHER INFORMATION)

State Regulatory Information: HYDROCHLORIC ACID CAN BE FOUND ON THE FOLLOWING STATE RIGHT TO KNOW LISTS: CALIFORNIA, NEW JERSEY, FLORIDA, PENNSYLVANIA, MINNESOTA, MASSACHUSETTS. WATER IS NOT PRESENT ON STATE LISTS FROM CA, PA, MN , FL OR NJ. CALIFORNIA NO SIGNIFICANT RISK LEVEL: NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED. EUROPEAN / INTERNATIONAL REGULATIONS: EUROPEAN LABELING IN ACCORDANCE WITH EC DIRECTIVES. HAZARD SYMBOLS: NOT AVAILABLE. RISK PHASES: N/P. SAFETY PHASES: N/P. WGK (WATER DANGER / PROTECTION): CAS # 7647-01-0: 1, CAS# 7732-18-5: NO INFORMATION AVAILABLE. CANADA: CAS# 7647-01-0 IS LISTED ON CANADA'S DSL/NDSL LIST. (OTHER INFORMATION)

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Other Information

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Other Information: SYNONYMS: CHLOROHYDIC ACID, HYDROGEN CHLORIDE, MURIATIC ACID, SPIRITS OF SALT. FEDERAL REGS (CONT): CONTAIN ANY CLASS 2 OZONE DEPLETORS. CLEAN WATER ACT: CAS# 7647-01-0 IS LISTED AS A HAZARDOUS S UBSTANCE UNDER THE CWA. NONE OF THE CHEMS IN THIS PRODUCT ARE LISTED AS PRIORITY POLLUTANTS UNDER THE CWA. NONE OF THE CHEMS IN THIS PRODUCT ARE LISTED AS TOXIC POLLUTANTS UNDER THE CWA. STATE REG S (CONT): CSA# 7732-18-5 IS LISTED ON CANADA'S DSL/NDSL LIST. THIS PRODUCT HAS A W CLASS OF E. CAS# 7647-01-0 IS NOT LISTED ON CANADA'S INGREDIENT DISCLOSURE LIST. CAS# 7732-18-5 IS NOT LISTED ON CANADA'S INGREDIENT DISCLOSURE LIST.

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HAZCOM Label

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Product ID: HYDROCHLORIC ACID 0.01 TO 2.0N, S70041-3, S718255, S74856MF
Cage: IB464
Company Name: FISHER SCIENTIFIC CO
Street: 1 REAGENT LANE
City: FAIRLAWN NJ
Zipcode: 07410
Health Emergency Phone: 201-796-7100
Label Required IND: Y

Date Of Label Review: 07/12/2001
Status Code: A
Origination Code: G
Hazard And Precautions: DANGER! CORROSIVE. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE SEVERE EYE IRRITATION AND POSSIBLE INJURY. CAUSES EYE AND SKIN IRRITATION AND POSSIBLE BURNS. CAUSES DIGESTIVE AND RESPIRATORY TRACT IRRITATIO N WITH POSSIBLE BURNS. TARGET ORGANS:NONE. EYE: MAY RESULT IN CORNEAL INJURY. MAY CAUSE PAINFUL SENSITIZATION TO LIGHT. MAY CAUSE CONJUNCTIVITIS. CAUSES EYE IRRIRTATION AND POSSIBLE BURNS. SKIN: MAY CAUSE PHOTOSENSITIZATION IN CERTAIN INDIVIDUALS. CAUSES SEVERE SKIN IRRITATION AND POSSIBLE BURNS. INGESTION: MAY CAUSE SEVERE GASTROINTESTINAL TRACT IRRITATION WITH NAUSEA, VOMITING AND POSSIBLE BURN S. (SIGNS AND SYMPTOMS OF OVEREXPOSURE)

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New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **INDENO (1,2,3-cd) PYRENE**

CAS Number: 193-39-5
DOT Number: UN 3077
DOT Hazard Class: 9 (Environmentally Hazardous Substance)

RTK Substance number: 3052
Date: May 2000 Revision: March 2007

HAZARD SUMMARY

* **Indeno (1,2,3-cd) Pyrene** can affect you when breathed in and may be absorbed through the skin.
* **Indeno (1,2,3-cd) Pyrene** is a CARCINOGEN--HANDLE WITH EXTREME CAUTION.
* No acute (short-term) health effects are known at this time.

IDENTIFICATION

Indeno (1,2,3-cd) Pyrene is a yellow plate or needle-shaped solid. It is a research chemical and a component of gasoline engine exhaust and tobacco smoke. There is no commercial production or known use of this compound.

REASON FOR CITATION

* **Indeno (1,2,3-cd) Pyrene** is on the Hazardous Substance List because it is cited by DOT, NTP, DEP, IARC, IRIS and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

No occupational exposure limits have been established for **Indeno (1,2,3-cd) Pyrene**. This does not mean that this substance is not harmful. Safe work practices should always be followed.

* **Indeno (1,2,3-cd) Pyrene** may be a CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* It should be recognized that **Indeno (1,2,3-cd) Pyrene** can be absorbed through your skin, thereby increasing your exposure.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Indeno (1,2,3-cd) Pyrene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Indeno (1,2,3-cd) Pyrene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Indeno (1,2,3-cd) Pyrene**:

* No acute (short-term) health effects are known at this time.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Indeno (1,2,3-cd) Pyrene** and can last for months or years:

Cancer Hazard

* **Indeno (1,2,3-cd) Pyrene** may be a CARCINOGEN in humans since it has been shown to cause skin and lung cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Indeno (1,2,3-cd) Pyrene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Indeno (1,2,3-cd) Pyrene** has not been tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Indeno (1,2,3-cd) Pyrene** from drums or other storage containers to process containers.
* A Class I, Type B, biological safety hood should be used when mixing, handling, or preparing **Indeno (1,2,3-cd) Pyrene**.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Indeno (1,2,3-cd) Pyrene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Indeno (1,2,3-cd) Pyrene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Indeno (1,2,3-cd) Pyrene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Indeno (1,2,3-cd) Pyrene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Indeno (1,2,3-cd) Pyrene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, applying cosmetics, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
* When vacuuming, a high efficiency particulate air (HEPA) filter should be used, not a standard shop vacuum.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Indeno (1,2,3-cd) Pyrene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Eye protection is included in the recommended respiratory protection.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

* At <u>any</u> exposure level, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include <u>dust releasing operations</u> (grinding, mixing, blasting, dumping, etc.), <u>other physical and mechanical processes</u> (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and <u>"confined space" exposures</u> (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

CFR is the Code of Federal Regulations, which consists of the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

IRIS is the Integrated Risk Information System database of the federal EPA.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **INDENO (1,2,3-cd) PYRENE**
DOT Number: **UN 3077**
DOT Hazard Class: **9 (Environmentally Hazardous Substance)**
NAERG Code: **171**
CAS Number: **193-39-5**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* Extinguish fire using an agent suitable for type of surrounding fire. **Indeno (1,2,3-cd) Pyrene** itself does not burn.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

SPILLS AND EMERGENCIES

If **Indeno (1,2,3-cd) Pyrene** is spilled, take the following steps:

* Evacuate personnel and secure and control entrance to the area.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Indeno (1,2,3-cd) Pyrene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Indeno (1,2,3-cd) Pyrene** you should be trained on its proper handling and storage.
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.

PHYSICAL DATA

Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Indeno [1,2,3-cd] Pyrene
Other Names:
1,10-(1,2-Phenylene)Pyrene; o-Phenylenepyrene

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **IRON OXIDE**

CAS Number: 1309-37-1
DOT Number: None
DOT Hazard Class: None

RTK Substance number: 1036
Date: August 1998 Revision: May 2007

HAZARD SUMMARY

* **Iron Oxide** can affect you when breathed in.
* Exposure to **Iron Oxide** *fumes* can cause metal fume fever. This is a flu-like illness with symptoms of metallic taste, fever and chills, aches, chest tightness and cough.
* Prolonged or repeated contact can discolor the eyes causing permanent *Iron* staining.
* Repeated exposure to **Iron Oxide** *fume* or *dust* can cause pneumoconiosis (*Siderosis*) with cough, shortness of breath and changes on chest x-ray.
* **Iron Oxide** as *Ferric Oxide* (Fe_2O_3) is not combustible, unless finely powdered. However, *Ferrous Oxide* (FeO) is extremely flammable and reactive, and may ignite spontaneously in air.

IDENTIFICATION

Iron Oxide is a black crystal or a reddish-brown powder. It is used in polishing compounds, pigments, and metallurgy. **Iron Oxide** *fume* is produced when materials containing *Iron* are heated, as in arc welding. DOT number UN 1376 refers to *Ferrous Oxide* (FeO), *Iron Oxide* (*Spent*) or *Iron Sponge*. *Ferrous Oxide* (FeO) may be formed in *Oxygen*-limited atmospheres, in flue gas, and from coal gas purification. *Iron Oxide* (*Spent*) or *Iron Sponge* is produced when *Iron Ore* is heated below the melting point of *Iron*. With further processing, they become *Wrought Iron*.

REASON FOR CITATION

* **Iron Oxide** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, NIOSH and IARC.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

The following exposure limits are for **Iron Oxide** (measured as *Iron*):

OSHA: The legal airborne permissible exposure limit (PEL) is **10 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **5 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **5 mg/m^3** (as the *respirable fraction*) averaged over an 8-hour workshift.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Iron Oxide** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Metal, metal compounds and alloys are often used in "hot" operations in the workplace. These may include, but are not limited to, welding, brazing, soldering, plating, cutting, and metallizing. At the high temperatures reached in these operations, metals often form metal fumes which have different health effects and exposure standards than the original metal or metal compound and require specialized controls. Your workplace can be evaluated for the presence of particular fumes which may be generated. Consult the appropriate New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheets.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Iron Oxide**:

* Exposure to **Iron Oxide** *fumes* can cause metal fume fever. This is a flu-like illness with symptoms of metallic taste, fever and chills, aches, chest tightness and cough.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Iron Oxide** and can last for months or years:

Cancer Hazard

* While **Iron Oxide** has been tested, it is not classifiable as to its potential to cause cancer.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Iron Oxide** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* Prolonged or repeated contact can discolor the eyes, causing permanent *Iron* staining.
* Repeated exposure to **Iron Oxide** *fume* or *dust* can cause pneumoconiosis (*Siderosis*) with cough, shortness of breath and changes on chest x-ray.

MEDICAL

Medical Testing

For those with frequent or potentially high exposure (half the PEL or greater), the following are recommended before beginning work and at regular times after that:

* Lung function tests

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures

* Because smoking can cause heart disease, as well as lung cancer, emphysema, and other respiratory problems, it may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Iron Oxide** from drums or other storage containers to process containers.
* Before entering a confined space where *Ferrous Oxide* (FeO) may be present, check to make sure that an explosive concentration does not exist.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Iron Oxide** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Iron Oxide**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Iron Oxide**, immediately wash or shower to remove the chemical.

* Do not eat, smoke, or drink where **Iron Oxide** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, applying cosmetics, smoking, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Iron Oxide**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

* Where the potential exists for exposure over **5 mg/m^3** (as *Iron*), use a NIOSH approved air-purifying particulate filter respirator with a N95 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator, and even greater protection is provided by a powered-air purifying respirator.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Iron Oxide**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential exists for exposure over **50 mg/m^3** (as *Iron*), use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **2,500 mg/m^3** (as *Iron*) is immediately dangerous to life and health. If the possibility of exposure above **2,500 mg/m^3** (as *Iron*) exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

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DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

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IRIS is the Integrated Risk Information System database of the federal EPA.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

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NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **IRON OXIDE**
DOT Number: **None**
DOT Hazard Class: **None**
NAERG Code: **No Citation**
CAS Number: **1309-37-1**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	0 (Fe_2O_3) 4 (FeO)	-
REACTIVITY	0 (Fe_2O_3) 2 (FeO)	-
DOES NOT BURN CONTAINERS MAY EXPLODE IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Iron Oxide** (*Ferric Oxide* or Fe_2O_3) is not combustible. **Iron Oxide** or *Ferrous Oxide* (FeO) from coal gas purification and flue gas are flammable and spontaneously combustible in air.
* Extinguish fire using an agent suitable for type of surrounding fire.
* CONTAINERS MAY EXPLODE IN FIRE.
* Use water spray to keep fire-exposed containers cool.
* If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

SPILLS AND EMERGENCIES

If **Iron Oxide** is spilled, take the following steps:

* Evacuate personnel and secure and control entrance to the area.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* It may be necessary to contain and dispose of **Iron Oxide** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

==========

FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Iron Oxide** you should be trained on its proper handling and storage.
* **Iron Oxide**, in *powdered* form, is not compatible with CALCIUM HYPOCHLORITE; CARBON MONOXIDE; NITRIC ACID; SULFUR DIOXIDE; ALUMINUM; ETHYLENE OXIDE; HYDRAZINE; HYDROGEN PEROXIDE; ACETYLIDES; HYDROGEN SULFIDE; PERFORMIC ACID; CESIUM CARBIDE; and BROMINE PENTAFLUORIDE.
* Store in tightly closed containers in a cool, well-ventilated area away from HEAT or temperatures above 140°F (60°C).

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek medical attention immediately.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Iron Oxide (Fe_2O_3)

Other Names:

Iron (III) Oxide; Ferric Oxide; Burnt Sienna; Jeweler's Rouge

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Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

SCOTT SPECIALTY GASES -- ISOBUTYLENE IN AIR -- 6665-01-214-8247

========== Product Identification ==========

Product ID:ISOBUTYLENE IN AIR
MSDS Date:04/23/1992
FSC:6665
NIIN:01-214-8247
MSDS Number: BVRGC
=== Responsible Party ===
Company Name:SCOTT SPECIALTY GASES
Address:ROUTE 611 NORTH
City:PLUMSTEADVILLE
State:PA
ZIP:18949
Country:US
Info Phone Num:215-766-8861
Emergency Phone Num:215-766-8861; 908-754-7700
CAGE:51847
=== Contractor Identification ===
Company Name:SCOTT SPECIALTY GASES
Address:6141 EASTON RD (6141 ROUTE 611)
Box:310
City:PLUMSTEADVILLE
State:PA
ZIP:18934
Country:US
Phone:215-766-8861/ FAX: 215-766-0416
CAGE:51847

========== Composition/Information on Ingredients ==========

Ingred Name:PROPENE, 2-METHYL-; (ISOBUTYLENE)
CAS:115-11-7
RTECS #:UD0890000
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:AIR, REFRIGERATED LIQUID; AIR COMPRESSED (UN1002, DOT); AIR REFRIGERATED LIQUID (CRYOGENIC LIQUID) (UN1003) (DOT)
RTECS #:AX5271000
OSHA PEL:N/K
ACGIH TLV:N/K

========== Hazards Identification ==========

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:CONCENTRATION OF ISOBUTYLENE IS THIS MIXTURE SHOULD NOT PRESENT ANY SYMPTOMS OF TOXICITY. CHRONIC:NONE.
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE.

========== First Aid Measures ==========

First Aid:INGEST:CALL MD IMMEDIATELY . EYES:IMMEDIATELY FLUSH W/POTABLE

WATER FOR A MINIMUM OF 15 MINUTES, SEEK ASSISTANCE FROM MD . SKIN:FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD . INHAL:IMME DIATELY REMOVE VICTIM TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

Fire Fighting Measures

Flash Point:NONFLAMMABLE
Extinguishing Media:USE WHAT IS APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT . USE WATER SPRAY TO KEEP FIRE EXPOSED CYLINDERS COOL.
Unusual Fire/Explosion Hazard:COMPRESSED AIR AT HIGH PRESSURES WILL ACCELERATE THE BURNING OF FLAMMABLE MATERIALS.

Accidental Release Measures

Spill Release Procedures:EVACUATE & VENTILATE AREA. REMOVE LEAKING CYLINDER TO EXHAUST HOOD OR SAFE OUTDOORS AREA IF THIS CAN BE DONE SAFELY.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling and Storage

Handling and Storage Precautions:STORE IN WELL VENTILATED AREAS ONLY. KEEP VALVE PROT CAP ON CYLS WHEN NOT IN USE & SECURE CYL WHEN USING TO PROT FROM FALLING.
Other Precautions:USE SUITABLE HAND TRUCK TO MOVE CYLS. PROT CYLS FROM PHYSICAL DMG. DO NOT DEFACE CYLS/LBLS. MOVE CYL W/ADEQ HAND TRUCK. CYL SHOULD BE REFILLED BY QUALIFIED PRODUCERS OF COMPRESSED GAS. SHIPMENT OF COM PRESSED GAS CYL WHICH HAS NOT (SUPDAT)

Exposure Controls/Personal Protection

Respiratory Protection:USE NIOSH/MSHA APPROVED SCBA IN CASE OF EMERGENCY OR NON-ROUTINE USE.
Ventilation:PROVIDE ADEQUATE GENERAL & LOCAL EXHAUST VENTILATION.
Protective Gloves:RUBBER GLOVES.
Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .
Other Protective Equipment:WEAR SAFETY SHOES. A SAFETY SHOWER & EYEWASH STATION SHOULD BE READILY AVAILABLE.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
OTHER PREC:BEEN FILLED BY OWNER OR WITH HIS WRITTEN CONSENT IS A VIOLATION OF FEDERAL LAW (49 CFR).

Physical/Chemical Properties

HCC:G3
Boiling Pt:B.P. Text:-318F,-194C
Vapor Density:1.2
Spec Gravity:0.88 (H*2O=1)
Solubility in Water:INSOLUBLE
Appearance and Odor:COLORLESS GAS W/POSSIBLE SLIGHT OLEFINIC ODOR.
Percent Volatiles by Volume:100

Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES
NONE.
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:NONE.

========== Disposal Considerations ==========

Waste Disposal Methods:DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS . RETURN CYLS TO SUPPLIER FOR PROPER DISP W/ANY VALVE OUTLET PLUGS/CAPS SECURED & VALVE PROT CAP IN PLACE. ALLOW GAS TO DISCHARGE AT SLO W RATE TO ATM IN UNCONFINED AREA/EXHST HOOD.

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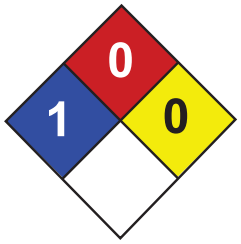

Health	1
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Lead MSDS

Section 1: Chemical Product and Company Identification

Product Name: Lead

Catalog Codes: SLL1291, SLL1669, SLL1081, SLL1459, SLL1834

CAS#: 7439-92-1

RTECS: OF7525000

TSCA: TSCA 8(b) inventory: Lead

CI#: Not available.

Synonym: Lead Metal, granular; Lead Metal, foil; Lead Metal, sheet; Lead Metal, shot

Chemical Name: Lead

Chemical Formula: Pb

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Lead	7439-92-1	100

Toxicological Data on Ingredients: Lead LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Non-flammable in presence of open flames and sparks, of shocks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits highly toxic fumes of lead.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.05 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.05 (mg/m3) from OSHA (PEL) [United States] TWA: 0.03 (mg/m3) from NIOSH [United States] TWA: 0.05 (mg/m3) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 207.21 g/mole

Color: Bluish-white. Silvery. Gray

pH (1% soln/water): Not applicable.

Boiling Point: 1740°C (3164°F)

Melting Point: 327.43°C (621.4°F)

Critical Temperature: Not available.

Specific Gravity: 11.3 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, excess heat

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Can react vigorously with oxidizing materials. Incompatible with sodium carbide, chlorine trifluoride, trioxane + hydrogen peroxide, ammonium nitrate, sodium azide, disodium acetylide, sodium acetylide, hot concentrated nitric acid, hot concentrated hydrochloric acid, hot concentrated sulfuric acid, zirconium.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. May cause damage to the following organs: blood, kidneys, central nervous system (CNS).

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential: Skin: Lead metal granules or dust: May cause skin irritation by mechanical action. Lead metal foil, shot or sheets: Not likely to cause skin irritation Eyes: Lead metal granules or dust: Can irritate eyes by mechanical action. Lead metal foil, shot or sheets: No hazard. Will not cause eye irritation. Inhalation: In an industrial setting, exposure to lead mainly occurs from inhalation of dust or fumes. Lead dust or fumes: Can irritate the upper respiratory tract (nose, throat) as well as the bronchi and lungsby mechanical action. Lead dust can be absorbed through the respiratory system. However, inhaled lead does not accumulate in the lungs. All of an inhaled dose is eventually abssorbed or transferred to the gastrointestinal tract. Inhalation effects of exposure to fumes or dust of inorganic lead may not develop quickly. Symptoms may include metallic taste, chest pain, decreased physical fitness, fatigue, sleep disturbance, headache, irritability, reduces memory, mood and personality changes, aching bones and muscles, constipation, abdominal pains, decreasing appetite. Inhalation of large amounts may lead to ataxia, deliriuim, convulsions/seizures, coma, and death. Lead metal foil, shot, or sheets: Not an inhalation hazard unless metal is heated. If metal is heated, fumes will be released. Inhalation of these fumes may cause "fume metal fever", which is characterized by flu-like symptoms. Symptoms may include metallic taste, fever, nausea, vomiting, chills, cough, weakness, chest pain, generalized muscle pain/aches, and increased white blood cell count. Ingestion: Lead metal granules or dust: The symptoms of lead poisoning include abdominal pain or cramps (lead cholic), spasms, nausea, vomiting, headache, muscle weakness, hallucinations, distorted perceptions, "lead line" on the gums, metallic taste, loss of appetite, insomnia, dizziness and other symptoms similar to that of inhalation. Acute poisoning may result in high lead levels in the blood and urine, shock, coma and death in extreme cases. Lead metal foil, shot or sheets: Not an ingestion hazard for usual industrial handling.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Lead California prop. 65 (no significant risk level): Lead: 0.0005 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Lead Connecticut hazardous material survey.: Lead Illinois toxic substances disclosure to employee act: Lead Illinois chemical safety act: Lead New York release reporting list: Lead Rhode Island RTK hazardous substances: Lead Pennsylvania RTK: Lead

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R20/22- Harmful by inhalation and if swallowed. R33- Danger of cumulative effects. R61- May cause harm to the unborn child. R62- Possible risk of impaired fertility. S36/37- Wear suitable protective clothing and gloves. S44- If you feel unwell, seek medical advice (show the label when possible). S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:21 PM

Last Updated: 06/09/2012 12:00 PM

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Right to Know
Hazardous Substance Fact Sheet

Common Name: **MAGNESIUM**

Synonyms: None

Chemical Name: Magnesium

Date: September 1999 Revision: June 2008

CAS Number: 7439-95-4

RTK Substance Number: 1136

DOT Number: UN 1869
UN 1418 (Powder)

EMERGENCY RESPONDERS >>>> SEE PAGE 6

Description and Use

Magnesium is a light, silvery-white metal which can be in the form of a gray powder, thin sheet or chip. It is used in making structural metals, die-cast auto parts, missiles, precision instruments and optical mirrors, flashbulbs, flares, pyrotechnics, and batteries.

Reasons for Citation

- **Magnesium** is on the Right to Know Hazardous Substance List because it is cited by DOT and NFPA.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

Skin Contact

- Remove contaminated clothing and wash contaminated skin with soap and water.

Inhalation

- Remove the person from exposure.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	1	0
FLAMMABILITY	-	1
REACTIVITY	-	1

MAY SPONTANEOUSLY IGNITE
POISONOUS GASES ARE PRODUCED IN FIRE
DO NOT USE WATER, CO_2, FOAM OR HALOGENATED AGENTS

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **Magnesium** *dust* or *fume* can affect you when inhaled.
- Contact can irritate the skin and eyes.
- Inhaling **Magnesium** can irritate the nose, throat and lungs.
- Exposure to **Magnesium** may cause a flu-like illness called "*metal fume fever.*"
- Repeated exposure to the *dust* can cause **Magnesium** to accumulate in the body. This will cause an upset stomach.
- **Magnesium** POWDER, SHEETS and CHIPS may SPONTANEOUSLY IGNITE on contact with AIR or MOISTURE.

Workplace Exposure Limits

The following exposure limits are for *Magnesium Oxide*:

OSHA: The legal airborne permissible exposure limit (PEL) is **15 mg/m^3** (as *total particulate*) averaged over an 8-hour workshift.

ACGIH: The threshold limit value (TLV) is **10 mg/m^3** (as the *inhalable fraction*) averaged over an 8-hour workshift.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act, the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Magnesium**:

- Contact can irritate the skin and eyes.
- Inhaling **Magnesium** can irritate the nose, throat and lungs causing tightness in the chest and/or difficulty in breathing.
- Exposure to **Magnesium** may cause *"metal fume fever."* This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Magnesium** and can last for months or years:

Cancer Hazard

- According to the information presently available to the New Jersey Department of Health and Senior Services, **Magnesium** has not been tested for its ability to cause cancer in animals.

Reproductive Hazard

- According to the information presently available to the New Jersey Department of Health and Senior Services, **Magnesium** has not been tested for its ability to affect reproduction.

Other Effects

- Repeated exposure to the *dust* can cause **Magnesium** to accumulate in the body. This will cause an upset stomach.

Medical

Medical Testing

There is no special test for this chemical. However, seek medical attention if illness occurs or overexposure is suspected.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Before entering a confined space where **Magnesium** *powder* may be present, check to make sure that an explosive concentration does not exist.
- Use a vacuum for **Magnesium** *powder* to reduce dust during clean-up. DO NOT DRY SWEEP.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Magnesium**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Nitrile and Natural Rubber for gloves and DuPont Tyvek®, or the equivalent, as a protective material for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear eye protection with side shields or goggles.
- Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **10 mg/m^3** (as *Magnesium Oxide*), use a NIOSH approved air-purifying, particulate filter respirator with an N95 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator, and even greater protection is provided by a powered-air purifying respirator.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Magnesium**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential exists for exposure over **100 mg/m^3** (as *Magnesium Oxide*), use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **750 mg/m^3** (as *Magnesium Oxide*) is immediately dangerous to life and health. If the possibility of exposure above **750 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **Magnesium** POWDER, SHEETS and CHIPS may SPONTANEOUSLY IGNITE on contact with AIR or MOISTURE.
- Use Class D fire extinguishers or dry sand, clay, graphite, or limestone to fight fires.
- DO NOT USE WATER, CO_2, foam or halogenated extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- FIRE MAY RESTART AFTER IT HAS BEEN EXTINGUISHED.
- CONTAINERS MAY EXPLODE IN FIRE.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Magnesium** is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Collect powdered material in the most convenient and safe manner, or use a HEPA-filter vacuum, and deposit in sealed containers.
- DO NOT USE WATER OR WET METHOD.
- Ventilate area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Magnesium** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Magnesium** you should be trained on its proper handling and storage.

- *Finely divided* **Magnesium** reacts with WATER, MOISTURE, STEAM and ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) to release flammable and explosive *Hydrogen gas*.
- *Finely divided* **Magnesium** ignites on contact with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and AMMONIA; and reacts vigorously or explosively (and may form explosive compounds) with ACETYLENIC COMPOUNDS (such as ACETYLENE and ETHYLENE OXIDE); HALOCARBONS (such as CHLOROFORM and CHLOROMETHANE); AMMONIA NITRATE; CARBONATES; ARSENIC; METAL OXIDES; METAL SULFATES; OXYGEN; METAL CYANIDES; PHOSPHATES, and many other substances.
- **Magnesium** is AIR and MOISTURE sensitive.
- Store in tightly closed containers in a cool, well-ventilated area and protect from SHOCK and FRICTION.
- Sources of ignition, such as smoking and open flames, are prohibited where **Magnesium** is used, handled, or stored in a manner that could create a potential fire or explosion hazard.
- Use explosion-proof electrical equipment and fittings wherever **Magnesium** is used, handled, manufactured, or stored.
- Use only non-sparking tools and equipment, especially when opening and closing containers of **Magnesium**.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values are intended to provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database maintained by federal EPA. The database contains information on human health effects that may result from exposure to various chemicals in the environment.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

Common Name: **MAGNESIUM**

Synonyms: None
CAS No: 7439-95-4
Molecular Formula: Mg
RTK Substance No: 1136
Description: Light, silvery-white metal which can be in the form of a gray powder, thin sheet or chip

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
1 - Health **1 - Fire** **1 - Reactivity** **DOT#:** UN 1869 UN 1418 (powder) **ERG Guide #: 138** **Hazard Class:** 4.1 and 4.3 UN 1869 (Flammable) UN 1418 (Water Reactive)	**Magnesium** POWDER, SHEETS and CHIPS MAY SPONTANEOUSLY IGNITE on contact with AIR or MOISTURE. Use Class D fire extinguishers or dry sand, clay, graphite, or limestone to fight fires. DO NOT USE WATER, CO_2, foam or halogenated extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. FIRE MAY RESTART AFTER IT HAS BEEN EXTINGUISHED.	*Finely divided* **Magnesium** reacts with WATER, MOISTURE, STEAM and ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) to release flammable and explosive *Hydrogen gas.* *Finely divided* **Magnesium** ignites on contact with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and AMMONIA; and reacts vigorously or explosively (and may form explosive compounds) with ACETYLENIC COMPOUNDS (such as ACETYLENE and ETHYLENE OXIDE); HALOCARBONS (such as CHLOROFORM and CHLOROMETHANE); AMMONIA NITRATE; CARBONATES; ARSENIC; METAL OXIDES; METAL SULFATES; OXYGEN; METAL CYANIDES; PHOSPHATES, and many other substances. **Magnesium** is AIR and MOISTURE sensitive.

SPILL/LEAKS

Isolation Distance:

Spills: 25 meters (75 feet)

Fires: 800 meters (1/2 mile)

Collect powdered material in the most convenient and safe manner, or use a HEPA-filter vacuum, and deposit in sealed containers.

DO NOT wash into sewer.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	Flammable powder
Auto Ignition Temp:	883°F (473°C)
Vapor Density:	1.7 (air = 1)
Vapor Pressure:	1 mm Hg at 1,149°F (621°C)
Specific Gravity:	1.74 (water = 1)
Water Solubility:	Insoluble, Reactive
Boiling Point:	2,012°F (1,100°C)
Molecular Weight:	24.3

EXPOSURE LIMITS

OSHA:	15 mg/m^3, 8-hr TWA
NIOSH:	None
ACGIH:	10 mg/m^3, 8-hr TWA
IDLH:	750 mg/m^3

All of the above are for *Magnesium Oxide*

PROTECTIVE EQUIPMENT

Gloves:	Nitrile and Natural Rubber
Coveralls:	DuPont Tyvek®
Respirator:	>10 mg/m^3 - APR with High efficiency filter >100 mg/m^3 - Supplied air

HEALTH EFFECTS

Eyes:	Irritation
Skin:	Irritation
Inhalation:	Nose, throat and lung irritation with coughing and difficulty in breathing Headache, fever and chills, chest tightness

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.

Remove contaminated clothing and wash contaminated skin with soap and water.

Transfer to a medical facility.

Right to Know

Hazardous Substance Fact Sheet

Common Name: **MANGANESE**

Synonyms: Colloidal Manganese

Chemical Name: Manganese

Date: January 2007 Revision: January 2012

CAS Number: 7439-96-5

RTK Substance Number: 1155

DOT Number: UN 3089

Description and Use

M□□□□□□□□ is a naturally occurring metal found in rocks. Pure **M**□□□□□□□□ is a silver or grey-white, brittle solid. It is used in making steel and alloying metals, and as a catalyst, gasoline additive, animal feed supplement and component of some fertilizers.

Reasons for Citation

- **M**□□□□□□□□ is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, DEP, IRIS and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

E□□ C□□□□□□

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

S□□□ C□□□□□□

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

I□□□□□□□□

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

P□□□□ C□□□r□□: 1-800-222-1222

CHEMTREC: 1-800-424-9300

N□DEP H□□□□□: 1-877-927-6337

N□□□□□□R□□□□□□□ C□□□r: 1-800-424-8802

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Hazard Summary

H□□□rd R□□□□□	N□DHSS	NFPA
HEALTH	2	-
FLAMMABILITY	3 (powder)	-
REACTIVITY	1	-
FLAMMABLE POWDER OR DUST POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **M**□□□□□□□□ can affect you when inhaled.
- Contact can irritate the skin and eyes.
- Inhaling **M**□□□□□□□□ can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
- Exposure to **M**□□□□□□□□ can cause a flu-like illness called "*metal fume fever*."
- Repeated exposure can cause permanent brain damage. Early symptoms include poor appetite, weakness and sleepiness. Later effects include changes in speech, balance, mood and personality, loss of facial expressions, poor muscle coordination, muscle cramps, twitching and tremors. The later symptoms are identical to Parkinson's disease.
- Prolonged or repeated exposure can lead to permanent lung damage.
- **M**□□□□□□□□ may affect the liver and may cause anemia.
- **M**□□□□□□□□ *powder* and *dust* are FLAMMABLE and DANGEROUS FIRE HAZARDS.

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **5** □ □□□ ^{3}, not to be exceeded at any time.

NIOSH: The recommended airborne exposure limit (REL) is **1** □ □□□ ^{3} averaged over a 10-hour workshift <u>and</u> **3** □ □□□ ^{3}, not to be exceeded during any 5-minute work period.

ACGIH: The threshold limit value (TLV) is **0.2** □ □□□ ^{3} (as the *inhalable fraction)* and **0.02** □ □□□ ^{3} (as the *respirable fraction*) averaged over an 8-hour workshift.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

A□□□ H□□□□ E□□□□□

The following acute (short-term) health effects may occur immediately or shortly after exposure to **M□□□□□□□□**:

- Contact can irritate the skin and eyes.
- Inhaling **M□□□□□□□□** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
- Exposure to **M□□□□□□□□** can cause *"metal fume fever."* This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.

C□r□□□ H□□□□ E□□□□□

The following chronic (long-term) health effects can occur at some time after exposure to **M□□□□□□□□** and can last for months or years:

Cancer Hazard

- While **M□□□□□□□□** has been tested, it is not classifiable as to its potential to cause cancer.

Reproductive Hazard

- **M□□□□□□□□** may damage the testes (male reproductive glands) and may decrease fertility in males.

Other Effects

- Repeated exposure can cause permanent brain damage. Early symptoms include poor appetite, weakness and sleepiness. Later effects include changes in speech, balance, mood and personality, loss of facial expressions, poor muscle coordination, muscle cramps, twitching and tremors. The later symptoms are identical to Parkinson's disease.
- Prolonged or repeated exposure can lead to permanent lung damage.
- **M□□□□□□□□** may affect the liver and may cause anemia.

Medical

M□d□□□□T□□□□□

For frequent or potentially high exposure (half the TLV or greater), the following are recommended before beginning work and at regular times after that:

- Exam of the nervous system
- Chest x-ray and lung function tests

If symptoms develop or overexposure is suspected, the following are recommended:

- Liver function tests
- Complete blood count
- Evaluate for brain effects such as changes in memory, concentration, sleeping patterns and mood (especially irritability and social withdrawal), as well as for headaches and fatigue. Consider evaluations of the cerebellar, autonomic and peripheral nervous systems. Positive and borderline individuals should be referred for neuropsychological testing.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

You have a legal right to request copies of your medical testing under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

M□□□d E□□□□□r□□

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- More than light alcohol consumption can cause liver damage. Drinking alcohol may increase the liver damage caused by **M□□□□□□□□**.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Before entering a confined space where **M**□□□□□□□□ *powder* and *dust* may be present, check to make sure that an explosive concentration does not exist.
- Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

G□□□□ □□d C□□□□□

- Avoid skin contact with **M**□□□□□□□□. Wear personal protective equipment made from material that can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- The recommended glove materials for **M**□□□□□□□□ are Nitrile and Neoprene.
- The recommended protective clothing material for **M**□□□□□□□□ is Tyvek®, or the equivalent.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

E□□ Pr□□□□□□□

- Wear direct vent goggles when airborne particles or dust are present.

R□□□r□□□r□ Pr□□□□□□□

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134). **O□□□ NIOSH □□□r□□□d r□□□□r□□□r□ □□□□d □□ □□□d.**

- Where the potential exists for exposure over **0.02** □ □□□ ^{3} (as the *respirable fraction)* or **0.2** □ □□□ ^{3} (as the *inhalable fraction),* use a negative pressure, air-purifying, particulate filter respirator with an N, R or P95 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator, and even greater protection is provided by a powered-air purifying respirator.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **M**□□□□□□□□, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential for high exposure exists, use a supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.
- Exposure to **500** □ □□□ ^{3} is immediately dangerous to life and health. If the possibility of exposure above **500** □ □□□ ^{3} exists, use a self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **M**□□□□□□□□ *powder* and *dust* are FLAMMABLE and DANGEROUS FIRE HAZARDS.
- Use sand or dry chemicals appropriate for extinguishing metal fires.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Manganese Oxides*.
- **M**□□□□□□□□ *powder* and *dust* may form an ignitable vapor/air mixture in closed tanks or containers.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **M**□□□□□□□□ is spilled, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Collect powdered material in the most convenient and safe manner and place into sealed containers for disposal.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **M**□□□□□□□□ as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **M**□□□□□□□□ you should be trained on its proper handling and storage.

- *Finely divided* **M**□□□□□□□□ *dust* can ignite spontaneously in AIR.
- **M**□□□□□□□□ reacts with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC), and slowly with WATER or STEAM, to produce flammable and explosive *Hydrogen gas*.
- **M**□□□□□□□□ may react with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); NITROGEN DIOXIDE; PHOSPHORUS; and SULFUR DIOXIDE to cause ignition and/or violent decomposition.
- Store in tightly closed containers in a cool, well-ventilated area away from WATER and MOISTURE.
- Sources of ignition, such as smoking and open flames, are prohibited where **M**□□□□□□□□ *powder* is used, handled, or stored.
- Ground and bond containers when transferring **M**□□□□□□□□ *powder*.
- Use only non-sparking tools and equipment, especially when opening and closing containers of **M**□□□□□□□□ *powder*.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

F□r □ □r□ □□□□r□ □□□□□, □□□□□□ □□□□□□:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

A□□□□ E□□□□□r□ G□□d□□□□ L□□□□□ (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

B□□□□□ □□□□is the temperature at which a substance can change its physical state from a liquid to a gas.

A **□□r□□□□□□** is a substance that causes cancer.

The **CAS □□□ □□r** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **□□□ □□□□□□□□** substance is a solid, liquid or gas that will burn.

A **□□rr□□□□□** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **□r□□□□□□□□ □□r□□□r□** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

E□ □r□□□□□ R□□□□□□□ P□□□□□□□ G□□d□□□□ (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **□□□□□** is an unborn human or animal.

A **□□□□ □ □□□□** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **□□□□□ □□□□□**is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

I□□□□□□□□□ P□□□□□□□□is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **L□□ □r E□□□□□□□□ L□□ □□**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

□ □□□ ^{3} means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **□ □□□□□□** is a substance that causes mutations. A **□ □□□□□□□** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

P□r□ □□□□d is the movement of chemicals through protective materials.

□□□ means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Pr□□□□□□□□ A□□□□□ Cr□□r□□ (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **r□□□□□□□□** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **□□r□□□□□□** is a substance that causes birth defects by damaging the fetus.

UEL or **U□□□r E□□□□□□□□ L□□ □□**is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

V□□□r D□□□□□□ is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **□□□□r □r□□□□r□** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **MANGANESE**

Synonyms: Colloidal Manganese
CAS No: 7439-96-5
Molecular Formula: Mn
RTK Substance No: 1155
Description: Pure **M**□□□□□□□□ is a silver or grey-white, brittle solid

HAZARD DATA

H□□□rd R□□□□□	**F□r□□□□□□□□□**	**R□□□□□□□□□□**
2- H□□□□□ **3 (□□□d□r)- F□r□** **1- R□□□□□□□□□□** **DOT#:** UN 3089 **ERG G□d□#:** 170 **H□□□rd C□□□□:** 4.1 (Flammable solid)	**M**□□□□□□□□□ *powder* and *dust* are FLAMMABLE and DANGEROUS FIRE HAZARDS. Use sand or dry chemicals appropriate for extinguishing metal fires. POISONOUS GASES ARE PRODUCED IN FIRE, including *Manganese Oxides*. **M**□□□□□□□□□ *powder* and *dust* may form an ignitable vapor/air mixture in closed tanks or containers. Use water spray to keep fire-exposed containers cool.	*Finely divided* **M**□□□□□□□□□ *dust* can ignite spontaneously in AIR. **M**□□□□□□□□□ reacts with STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC), and slowly with WATER or STEAM, to produce flammable and explosive *Hydrogen gas*. **M**□□□□□□□□□ □ □□ react with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); NITROGEN DIOXIDE; PHOSPHORUS; and SULFUR DIOXIDE to cause ignition and/or violent decomposition.

SPILL/LEAKS

I□□□□□□□□ D□□□□□□□:

S□□□: 25 meters (75 feet)

F□r□: 800 meters (1/2 mile)

Collect powdered material in the most convenient and safe manner and place into sealed containers for disposal.

Ground and bond containers when transferring **M**□□□□□□□□□ *powder*.

Use only non-sparking tools and equipment.

DO NOT wash into sewer.

M□□□□□□□□□ may be hazardous to the environment, especially to aquatic organisms.

PHYSICAL PROPERTIES

F□□□□ P□□□□:	Flammable *powder* and *dust*
A□□□ I□□□□□□□□ T□□ □:	842°F (450°C) (*Dust*)
V□□□r Pr□□□□□r□:	0 mm Hg at 68°F (20°C)
S□□□□□□□□ Gr□□□□□:	7.2 (water = 1)
W□□□r S□□□□□□□□□:	Insoluble
B□□□□□□ P□□□□:	3,564°F (1,962°C)
M□□□□□□ P□□□□:	2,271°F (1,244°C)
M□□□□□□□r W□□□□□:	54.9

EXPOSURE LIMITS

OSHA:	5 mg/m^3, Ceiling
NIOSH:	1 mg/m^3, 8-hr TWA; 3 mg/m^3, STEL
ACGIH:	0.2 mg/m^3 (*inhalable*); 0.02 mg/m^3 (*respirable*), 8-hr TWA
IDLH:	500 mg/m^3

The Protective Action Criteria values are:
PAC-1 = 3 mg/m^3 PAC-2 = 5 mg/m^3 PAC-3 = 500 mg/m^3

PROTECTIVE EQUIPMENT

G□□□□□:	Nitrile and Neoprene
C□□□r□□□:	Tyvek® **U□□ □□r□ □□□□□□r □r □□□□□ □r□□□□□□□□□ □□□□□□□□□□r□ □□ □□□ □r□□□□□□□□□□rd.**
R□□□r□□□r:	Spill - full facepiece APR with *P100 filters* Fire - SCBA

HEALTH EFFECTS

E□□□:	Irritation
S□□□:	Irritation
I□□□□□□□□□:	Nose, throat and lung irritation with coughing, wheezing and shortness of breath Headache, fever and chills, aches, chest tightness and cough (*"metal fume fever"*)

FIRST AID AND DECONTAMINATION

R□□ □□□ the person from exposure.

F□□□□ eyes with large amounts of water for at least 15 minutes. Remove contact lenses.

Q□□□□□□ remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

B□□□□ artificial respiration if breathing has stopped and CPR if necessary. Transfer promptly to a medical facility.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **MERCURY, ELEMENTAL AND INORGANIC COMPOUNDS**

Synonyms: Colloidal Mercury; Quicksilver

Chemical Name: Mercury

Date: May 2009 Revision: November 2009

CAS Number: 7439-97-6

RTK Substance Number: 1183

DOT Number: UN 2809

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Description and Use

Mercury is a heavy, silvery, liquid metal. It is used for gold recovery and in dental amalgams, thermometers, barometers and other gauges, and in dry cell batteries.

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	3	-
FLAMMABILITY	0	-
REACTIVITY	0	-
CORROSIVE POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

Reasons for Citation

- **Mercury** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, DEP, IARC, IRIS and EPA.
- This chemical is on the Special Health Hazard Substance List.

- **Mercury** can affect you when inhaled and may be absorbed through the skin.
- Contact can irritate the skin and eyes.
- Inhaling **Mercury** can irritate the nose, throat and lungs.
- Exposure can cause metallic taste in the mouth, nausea and vomiting, and abdominal pain.
- **Mercury** may cause a skin allergy and make the skin turn gray.
- Repeated exposure can cause *Mercury poisoning* with tremors, personality changes, trouble remembering and concentrating, and gum problems.
- **Mercury** may damage the kidneys.
- **Mercury** is a DOT CORROSIVE material.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while flushing. Seek medical attention immediately.

Skin Contact

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water. Seek medical attention immediately.

Inhalation

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **0.1 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **0.05 mg/m^3** (as **Mercury** *vapor*) averaged over a 10-hour workshift and **0.1 mg/m^3** (as **Mercury**), not to be exceeded at any time.

ACGIH: The threshold limit value (TLV) is **0.025 mg/m^3** averaged over an 8-hour workshift.

- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Mercury**:

- Contact can irritate the skin and eyes.
- Inhaling **Mercury** can irritate the nose, throat and lungs causing coughing, wheezing and/or shortness of breath.
- Exposure can cause metallic taste in the mouth, nausea and vomiting, and abdominal pain.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Mercury** and can last for months or years:

Cancer Hazard

- While **Mercury** has been tested, it is not classifiable as to its potential to cause cancer.

Reproductive Hazard

- There is limited evidence that **Mercury** may cause an increase in spontaneous abortions and menstrual disorders in exposed women.
- There is limited evidence that **Mercury** may affect male fertility.
- **Mercury** may also damage the developing fetus in animals.

Other Effects

- **Mercury** can irritate the lungs. Repeated exposure may cause bronchitis to develop with coughing, phlegm, and/or shortness of breath.
- **Mercury** may cause a skin allergy. If allergy develops, very low future exposure can cause itching and a skin rash.
- Long-term contact can cause the skin to turn gray, brown staining in the eyes, and may affect peripheral vision (ability to see to the sides).
- Repeated exposure or a very high single exposure can cause *Mercury poisoning*. Symptoms include tremors (shaking), trouble remembering and concentrating, gum problems, increased salivation, loss of appetite and weight, and changes in mood and personality. These can be severe and cause hallucinating and psychosis.
- **Mercury** may damage the kidneys.

Medical

Medical Testing

For frequent or potentially high exposure (half the TLV or greater), the following are recommended before beginning work and at regular times after that:

- Exam of the nervous system (including handwriting test to detect early hand tremor)
- Urine *Mercury* level (usually less than **0.02 mg/liter**)
- Kidney function tests

If symptoms develop or overexposure is suspected, the following is recommended:

- Lung function tests
- Exam of the eyes and vision
- Evaluation by a qualified allergist can help diagnose skin allergy.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- Creams to whiten or bleach skin may contain *Mercury*. If you use them, you may be at increased risk of *Mercury* poisoning. A high fish diet, especially of marine predatory fish (fish-eating fish), also may increase your blood *Mercury* levels.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- For clean-up, use a specialized charcoal-filtered vacuum or suction pump to avoid generating *Mercury vapor.* Do not disturb spilled material.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Mercury**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Butyl, Nitrile, Neoprene, Polyvinyl Chloride, Silver Shield®/4H® and Viton for gloves, and Tychem® fabrics, or the equivalent, as protective materials for clothing.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear non-vented, impact resistant goggles when working with fumes, gases, or vapors.
- If additional protection is needed for the entire face, use in combination with a face shield. A face shield should not be used without another type of eye protection.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **0.05 mg/m^3** (as **Mercury** *vapor*), or over **0.1 mg/m^3** but less than **1 mg/m^3** (as **Mercury**), use a NIOSH approved half-mask respirator with cartridges specific for **Mercury** *vapor.* These cartridges have end of service life indicators (ESLI) which visually indicate when filters must be changed.
- If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Mercury**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential exists for exposure over **0.5 mg/m^3** (as **Mercury** *vapor*) or over **1 mg/m^3** (as **Mercury**), use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
- Exposure to **10 mg/m^3** (as **Mercury**) is immediately dangerous to life and health. If the possibility of exposure above **10 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- Extinguish fire using an agent suitable for type of surrounding fire. **Mercury** itself does not burn.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Mercury** is spilled or leaked, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Cover with a *Sulfur compound* to keep from vaporizing and collect with a charcoal filter vacuum. Kits specific for the clean-up of *Mercury* spills are available. DO NOT USE a regular or shop vacuum.
- Use *Zinc* or *Copper flakes* and a flashlight to check for remaining **Mercury** after clean-up.
- Ventilate and wash area of spill or leak.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Mercury** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Mercury** you should be trained on its proper handling and storage.

- **Mercury** reacts with ACETYLENE to form explosive *Acetylide*.
- **Mercury** can form explosive compounds with AMMONIA and will explode when mixed with CHLORINE DIOXIDE; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); and METHYL AZIDE.
- **Mercury** is not compatible with COMBUSTIBLE MATERIALS; METALS (such as ALUMINUM and COPPER); CALCIUM; SODIUM CARBIDE; AMINES; LITHIUM; and RUBIDIUM.
- Store in tightly closed containers in a cool, well-ventilated area.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

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A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

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PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

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Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Hydrogen*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **MERCURY, ELEMENTAL AND INORGANIC COMPOUNDS**

Synonyms: Colloidal Mercury; Quicksilver
CAS No: 7439-97-6
Molecular Formula: Hg
RTK Substance No: 1183
Description: Heavy, silvery, liquid metal

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
3 - Health **0 - Fire** **0 - Reactivity** **DOT#:** UN 2809 **ERG Guide #:** 172 **Hazard Class:** 8 (Corrosive)	Extinguish fire using an agent suitable for type of surrounding fire. **Mercury** itself does not burn. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool.	**Mercury** reacts with ACETYLENE to form explosive *Acetylide*. **Mercury** can form explosive compounds with AMMONIA and will explode when mixed with CHLORINE DIOXIDE; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); and METHYL AZIDE. **Mercury** is not compatible with COMBUSTIBLE MATERIALS; METALS (such as ALUMINUM and COPPER); CALCIUM; SODIUM CARBIDE; AMINES; LITHIUM; and RUBIDIUM.

SPILL/LEAKS

Isolation Distance:

Spill: 50 meters (150 feet)

Fire: 500 meters (1/3 mile)

Cover spill with a *Sulfur compound* to prevent vaporization and collect with a charcoal filter vacuum.

Use *Zinc* or *Copper flakes* and a flashlight to check for remaining **Mercury** after clean-up.

Mercury is very toxic to aquatic life and bioaccumulates.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	Nonflammable
Vapor Density:	6.9 (air = 1)
Vapor Pressure:	0.002 mm Hg at 77°F (25°C)
Specific Gravity:	13.6 (water = 1)
Water Solubility:	Insoluble
Boiling Point:	674°F (357°C)
Melting Point:	-38°F (-39°C)
Ionization Potential:	10.4 eV
Molecular Weight:	200.6

EXPOSURE LIMITS

NIOSH: 0.05 mg/m^3, 10-hr TWA (as **Mercury** *vapor*)
0.1 mg/m^3, Ceiling (as **Mercury**)
ACGIH: 0.025 mg/m^3, 8-hr TWA (as **Mercury**)
IDLH: 10 mg/m^3 (as **Mercury**)

The Protective Action Criteria values are:
PAC-1 = 0.3 mg/m^3
PAC-2 = 2.05 mg/m^3
PAC-3 = 4.1 mg/m^3

PROTECTIVE EQUIPMENT

Gloves:	Butyl, Nitrile, Neoprene, Polyvinyl Chloride, Silver Shield®/4H® and Viton (>8-hr breakthrough)
Coveralls:	Tychem® fabrics (>8-hr breakthrough)
Respirator:	>0.025 mg/m^3 - full facepiece APR with cartridges specific for **Mercury** >0.3 mg/m^3 - SCBA

HEALTH EFFECTS

Eyes:	Irritation
Skin:	Irritation
Inhalation:	Nose, throat and lung irritation with coughing, wheezing and/or shortness of breath Nausea, vomiting and abdominal pain

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention immediately.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water. Seek medical attention immediately.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.

CONOCO,INC. -- CONOCO TRACON MOTOR OIL 10W-40 -- 9150-00B030018

========== Product Identification ==========

Product ID:CONOCO TRACON MOTOR OIL 10W-40
MSDS Date:10/21/1985
FSC:9150
NIIN:00B030018
MSDS Number: BBBHW
=== Responsible Party ===
Company Name:CONOCO,INC.
Box:1267
City:PONCA CITY
State:OK
ZIP:74603
Country:US
Info Phone Num:405 767-6000
Emergency Phone Num:800 424-9300
CAGE:DO836
=== Contractor Identification ===
Company Name:CONOCO,INC.
Box:1267
City:PONCA CITY
State:OK
ZIP:74603
Country:US
Phone:405 767-6000
CAGE:DO836

========== Composition/Information on Ingredients ==========

Ingred Name:NO HAZARDOUS MATERIALS

========== Hazards Identification ==========

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Effects of Overexposure:THIS PRODUCT MAY CAUSE IRRITATION TO EYES,LUNGS,OR SKIN AFTER PROLONGED EXPOSURE.

========== First Aid Measures ==========

First Aid:EYES:QUICKLY WASH WITH FRESH WATER FOR 15 MIN AND GET MEDICAL ATTENTION.SKIN:WASH WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING.INHALATION: IF OVEREXPOSED,REMOVE INDIVIDUAL TO FRESH AIR. IF BRE ATHING STOPS,ADMINISTER ARTIFICIAL RESPIRATION.INGESTION:IF SWALLOWED,DONOT INDUCE VOMITING.IF VOMITING BEGINS,LOW VICTIMS HEAD IN AN EFFECT TO PREVENT VOMITUS FROM ENTERING LUNGS.CALL PHYSICIAN.

========== Fire Fighting Measures ==========

Flash Point Method:PMCC
Flash Point:340
Extinguishing Media:USE WATER SPRAY,DRY CHEMICAL,FOAM,OR CARBON DIOXIDE
Fire Fighting Procedures:WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURES.
Unusual Fire/Explosion Hazard:PRODUCTS OF COMBUSTION MAY CONTAIN CARBON MONOXIDE,CARBON DIOXIDE,AND OTHER TOXIC MATERIALS. DONOT ENTER

ENCLOSED SPACE WITHOUT PROTECTIVE EQUIPMENT.

Accidental Release Measures

Spill Release Procedures:CONTAIN SPILL IMMEDIATELY IN SMALLEST AREA POSSIBLE.RECOVER AS MUCH OF THE PRODUCT ITSELF AS POSSIBLE BY VACUUMING,FOLLOWED BY SOAKING UP RESIDUAL FLUIDS BY USE OF ABSORBENT MATERIALS.

Handling and Storage

Handling and Storage Precautions:PRODUCT IS CLASS IIIB COMBUSTIBLE LIQUID STORE AND HANDLE ACCORDINGLY.
Other Precautions:PROLONGED OR REPEATED SKIN CONTACT WITH USED MOTOR OIL MAY BE HARMFUL. WASH THOROUGHLY WITH SOAP AND WATER AFTER CONTACT.

Exposure Controls/Personal Protection

Respiratory Protection:NONE REQUIRED EXCEPT UNDER UNUSUAL CIRCUMSTANCES.
Ventilation:NORMAL SHOP VENTILATION.
Protective Gloves:NONE REQUIRED
Eye Protection:NONE REQUIRED
Other Protective Equipment:NONE REQUIRED
Supplemental Safety and Health

Physical/Chemical Properties

Boiling Pt:B.P. Text:650-1200 F
Spec Gravity:0.88
Solubility in Water:INSOLUBLE
Appearance and Odor:BROWN LIQUID;MILD PETROLEUM HYDROCARBON ODOR

Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:STRONG OXIDIZING MATERIALS,HEAT,FLAME
Hazardous Decomposition Products:NORMAL COMBUSTION FORMS,CARBON DIOXIDE.INCOMPLETE COMBUSTION MAY PRODUCE CARBON MONOXIDE.

Disposal Considerations

Waste Disposal Methods:RECYCLE AS MUCH OF THE RECOVERABLE PRODUCT AS POSSIBLE.DISPOSE OF NONRECYCLABLE MATERIAL BY SUCH METHODS AS CONTROLLED INCINERATION,COMPLYING WITH FEDERAL,STATE AND LOCAL REGULATIONS.

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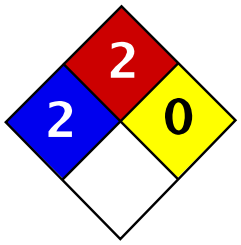

Health	2
Fire	2
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Naphthalene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Naphthalene

Catalog Codes: SLN1789, SLN2401

CAS#: 91-20-3

RTECS: QJ0525000

TSCA: TSCA 8(b) inventory: Naphthalene

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: C10H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Naphthalene	91-20-3	100

Toxicological Data on Ingredients: Naphthalene: ORAL (LD50): Acute: 490 mg/kg [Rat]. 533 mg/kg [Mouse]. 1200 mg/kg [Guinea pig]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit]. VAPOR (LC50): Acute: 170 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant, permeator). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE].
The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 567°C (1052.6°F)

Flash Points: CLOSED CUP: 88°C (190.4°F). OPEN CUP: 79°C (174.2°F).

Flammable Limits: LOWER: 0.9% UPPER: 5.9%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid.
Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
Israel: TWA: 10 (ppm)
TWA: 10 STEL: 15 (ppm) from ACGIH (TLV) [1995]
TWA: 52 STEL: 79 (mg/m3) from ACGIH [1995]
Australia: STEL: 15 (ppm)
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid.)

Odor: Aromatic.

Taste: Not available.

Molecular Weight: 128.19 g/mole

Color: White.

pH (1% soln/water): Not available.

Boiling Point: 218°C (424.4°F)

Melting Point: 80.2°C (176.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.162 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 4.4 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.038 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties:
Partially dispersed in hot water, methanol, n-octanol.
Very slightly dispersed in cold water.
See solubility in methanol, n-octanol.

Solubility:
Partially soluble in methanol, n-octanol.
Very slightly soluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Highly reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: May attack some forms of rubber and plastic

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): 490 mg/kg [Rat].
Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit].
Acute toxicity of the vapor (LC50): 170 ppm 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.

DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE].
The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of ingestion.
Hazardous in case of inhalation.
Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 305.2 ppm 96 hour(s) [Trout].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Naphthalene, refined : UN1334 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
Rhode Island RTK hazardous substances: Naphthalene
Pennsylvania RTK: Naphthalene
Florida: Naphthalene
Minnesota: Naphthalene
Massachusetts RTK: Naphthalene
TSCA 8(b) inventory: Naphthalene
TSCA 8(a) PAIR: Naphthalene
TSCA 8(d) H and S data reporting: Naphthalene: 06/01/87
SARA 313 toxic chemical notification and release reporting: Naphthalene: 1%
CERCLA: Hazardous substances.: Naphthalene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid.
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).
CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36- Irritating to eyes.
R40- Possible risks of irreversible effects.
R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R48/23- Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R63- Possible risk of harm to the unborn child.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 2

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/11/2005 01:30 PM

Last Updated: 10/11/2005 01:30 PM

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Material Safety Data Sheet
Nickel Metal

ACC# 16240

Section 1 - Chemical Product and Company Identification

MSDS Name: Nickel Metal
Catalog Numbers: N40-500
Synonyms:
Company Identification:
Fisher Scientific
1 Reagent Lane
Fair Lawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
7440-02-0	NICKEL	100.0	231-111-4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: white to gray white solid.
Caution! May cause allergic skin reaction. May cause eye irritation. May cause respiratory tract irritation. May cause cancer in humans. May cause liver and kidney damage.
Target Organs: Kidneys, liver, respiratory system.

Potential Health Effects

Eye: May cause eye irritation.
Skin: May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May cause severe irritation and possible burns. May cause dermatitis.
Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation: Inhalation of fumes may cause metal fume fever, which is characterized by flu-like symptoms with metallic taste, fever, chills, cough, weakness, chest pain, muscle pain and increased white blood cell count. Inhalation of a mist of this material may cause respiratory tract irritation. Breathing Nickel (Dust and Fume) can cause a sore or hole in the "bone" (septum) dividing the inner nose.
Chronic: Prolonged or repeated skin contact may cause sensitization dermatitis and possible destruction and/or ulceration. May cause respiratory tract cancer.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Get medical aid if irritation develops or persists. Wash clothing before reuse. Flush skin with plenty of soap and water.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Notes to Physician: Treat symptomatically and supportively.
Antidote: There exists several chelation agents. The determination of there use should be made only by qualified medical personnel.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Dust can be an explosion hazard when exposed to heat or flame.
Extinguishing Media: Confining and smothering is preferable to applying water. DO NOT USE WATER, CO_2, OR FOAM DIRECTLY ON FIRE ITSELF. Use DRY sand, sodium chloride powder, graphite powder, copper powder or Lith-X powder. Dousing metallic fires with water may generate hydrogen gas, an extremely dangerous explosion hazard, particularly if fire is in a confined environment.
Flash Point: Not applicable.
Autoignition Temperature: Not applicable.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: 3; Flammability: 1; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Very fine particles can cause a fire or explosion. Eliminate all ignition sources. Reduce airborne dust and prevent scattering by moistening with water. Sweep up, then place into a suitable container for disposal. Carefully scoop up and place into appropriate disposal container. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.
Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
NICKEL	1.5 mg/m3 TWA (inhalable fraction)	0.015 mg/m3 TWA 10 mg/m3 IDLH	1 mg/m3 TWA

OSHA Vacated PELs: NICKEL: 1 mg/m3 TWA

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Appearance: white to gray white
Odor: none reported
pH: Not available.
Vapor Pressure: 1 mm Hg @ 1810 C
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not applicable.
Boiling Point: 2730 deg C
Freezing/Melting Point:1455 deg C
Decomposition Temperature: Not available.
Solubility: Insoluble in water.
Specific Gravity/Density:8.90
Molecular Formula: Ni
Molecular Weight:58.69

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, dust generation.
Incompatibilities with Other Materials: Acids, aluminum, ammonia, ammonium nitrate, bromine pentafluoride, ethylene + aluminum, dioxane, fluorine, hydrazine, hydrazoic acid, hydrogen, methanol, nitric acid, nitryl fluoride, organic solvents, oxidants, phosphorus, potassium perchlorate, selenium, sulfur and compounds.
Hazardous Decomposition Products: Toxic and highly flammable nickel carbonyl.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 7440-02-0: QR5950000; QR6126100; QR6555000; QR7120000
LD50/LC50:
Not available.

Carcinogenicity:
CAS# 7440-02-0:

- **ACGIH:** Not listed.
- **California:** carcinogen, initial date 10/1/89
- **NTP:** Suspect carcinogen
- **IARC:** Group 1 carcinogen (listed as Nickel compounds).

Epidemiology: Epidemiological studies have shown an increased incidence of cancers among nickel refinery workers.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Mutagenicity: No information available.
Neurotoxicity: No information available.
Other Studies:

Section 12 - Ecological Information

Ecotoxicity: No data available. No information available.
Environmental: No information reported.
Physical: No information available.
Other: None.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	Not regulated as a hazardous material	No information available.
Hazard Class:		
UN Number:		

Packing Group:

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 7440-02-0 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 7440-02-0: 100 lb final RQ (no reporting of releases of this hazardous substance is require
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 7440-02-0: immediate, delayed, fire.
Section 313
This material contains NICKEL (CAS# 7440-02-0, 100.0%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 7440-02-0 (listed as Nickel compounds) is listed as a hazardous a ir pollutant (HAP).
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
CAS# 7440-02-0 is listed as a Priority Pollutant under the Clean Water Act. CAS# 7440-02-0 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 7440-02-0 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65
The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:
WARNING: This product contains NICKEL, a chemical known to the state of California to cause cancer.
California No Significant Risk Level: None of the chemicals in this product are listed.

European / International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols:
XN
Risk Phrases:
R 40 Limited evidence of a carcinogenic effect.

R 43 May cause sensitization by skin contact.

Safety Phrases:
S 22 Do not breathe dust.
S 36 Wear suitable protective clothing.

WGK (Water Danger/Protection)
CAS# 7440-02-0: No information available.
Canada - DSL/NDSL
CAS# 7440-02-0 is listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of D2A.
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
Canadian Ingredient Disclosure List
CAS# 7440-02-0 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 3/19/1998
Revision #5 Date: 10/28/2008

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

Right to Know
Hazardous Substance Fact Sheet

Common Name: **PHENOL**

Synonyms: Carbolic Acid; Hydroxybenzene

Chemical Name: Phenol

Date: June 2001 Revision: January 2010

CAS Number: 108-95-2

RTK Substance Number: 1487

DOT Number: UN 1671

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Description and Use

Phenol is a colorless or white, crystalline (sand-like) solid that is usually sold or used in solution. It is used to produce phenolic resins for the construction, automotive and appliance industries, as a disinfectant, and in medicines.

- **ODOR THRESHOLD = 0.4 ppm**
- Odor thresholds vary greatly. Do not rely on odor alone to determine potentially hazardous exposures.

Reasons for Citation

- **Phenol** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, DEP, IARC, IRIS, NFPA and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

Eye Contact

- Immediately flush with large amounts of water for at least 30 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while flushing. Seek medical attention.

Skin Contact

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of water. Seek medical attention.

Inhalation

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.
- Medical observation is recommended for 24 to 48 hours after overexposure, as pulmonary edema may be delayed.

EMERGENCY NUMBERS

Poison Control: 1-800-222-1222

CHEMTREC: 1-800-424-9300

NJDEP Hotline: 1-877-927-6337

National Response Center: 1-800-424-8802

Hazard Summary

Hazard Rating	NJDHSS	NFPA
HEALTH	-	4
FLAMMABILITY	-	2
REACTIVITY	-	0
MUTAGEN COMBUSTIBLE POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **Phenol** can affect you when inhaled and may be absorbed through the skin.
- Because this is a MUTAGEN, handle it as a possible carcinogen--WITH EXTREME CAUTION.
- Contact can severely irritate and burn the skin and eyes leading to eye damage.
- Inhaling **Phenol** can irritate the nose and throat.
- Inhaling **Phenol** can irritate the lungs. Higher exposures may cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency.
- High levels of this substance may reduce the blood's ability to transport *Oxygen*, causing headache, fatigue, dizziness, and a blue color to the skin and lips (*methemoglobinemia*).
- Exposure can cause headache, dizziness, lightheadedness, and passing out.
- High or repeated exposure can damage the liver, kidneys and nervous system.
- **Phenol** can cause irregular heartbeat (arrhythmia).

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **5 ppm** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit (REL) is **5 ppm** averaged over a 10-hour workshift and **15.6 ppm**, not to be exceeded during any 15-minute work period.

ACGIH: The threshold limit value (TLV) is **5 ppm** averaged over an 8-hour workshift.

- **Phenol** is a MUTAGEN. Mutagens may have a cancer risk. All contact with this chemical should be reduced to the lowest possible level.
- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Phenol**:

- Contact can severely irritate and burn the skin and eyes leading to eye damage.
- Inhaling **Phenol** can irritate the nose and throat.
- Inhaling **Phenol** can irritate the lungs causing coughing and/or shortness of breath. Higher exposures may cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency, with severe shortness of breath.
- High levels of this substance may reduce the blood's ability to transport *Oxygen,* causing headache, fatigue, dizziness, and a blue color to the skin and lips (*methemoglobinemia*). Exposure to very high levels may cause trouble breathing, collapse and even death.
- Exposure can cause headache, fatigue, weakness, nausea and vomiting, dizziness, lightheadedness and passing out.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Phenol** and can last for months or years:

Cancer Hazard

- While **Phenol** has been tested, it is not classifiable as to its potential to cause cancer.
- **Phenol** is a MUTAGEN. It may cause genetic changes.
- Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

- There is limited evidence that **Phenol** may damage the developing fetus in animals.

Other Effects

- **Phenol** can irritate the lungs. Repeated exposure may cause bronchitis to develop with coughing, phlegm, and/or shortness of breath.
- High or repeated exposure can damage the liver, kidneys and nervous system.
- **Phenol** can cause irregular heartbeat (arrhythmia).

Medical

Medical Testing

For frequent or potentially high exposure (half the PEL or greater), the following are recommended before beginning work and at regular times after that:

- Lung function tests

If symptoms develop or overexposure is suspected, the following are recommended:

- Consider chest x-ray after acute overexposure
- Blood methemoglobin level
- Liver and kidney function tests
- Special 24-48 hours EKG (Holter monitor) to observe and record abnormal heart rhythms
- Exam of the nervous system

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

Mixed Exposures

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- More than light alcohol consumption can cause liver damage. Drinking alcohol can increase the liver damage caused by **Phenol**.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- For *solid* **Phenol**, use a vacuum to reduce dust during clean-up. DO NOT DRY SWEEP.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Gloves and Clothing

- Avoid skin contact with **Phenol**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Butyl, Silver Shield®/4H®, Viton and Barrier® for gloves, and Tychem® SL, BR, Responder®, and TK; and Trellchem® HPS and VPS, or the equivalent, as protective clothing materials.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

- Wear indirect-vent, impact and splash resistant goggles when working with liquids.
- For *solid* **Phenol** wear eye protection with side shields or goggles.
- Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure over **5 ppm**, use a NIOSH approved full facepiece respirator with an organic vapor cartridge and particulate prefilters. Increased protection is obtained from full facepiece powered-air purifying respirators.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Phenol**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential exists for exposure over **50 ppm**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.
- Exposure to **250 ppm** is immediately dangerous to life and health. If the possibility of exposure above **250 ppm** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **Phenol** is a COMBUSTIBLE SOLID.
- Use dry chemical, CO_2, water spray or alcohol-resistant foam as extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **Phenol** is spilled or leaked, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- For **Phenol** in *solution*, cover with sand and place into sealed containers for disposal.
- Collect *solid* material in the most convenient and safe manner and place into sealed containers for disposal.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **Phenol** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **Phenol** you should be trained on its proper handling and storage.

- **Phenol** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); ALUMINUM CHLORIDE; CALCIUM HYPOCHLORITE; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); FORMALDEHYDE; ISOCYANATES; BUTADIENE; SODIUM NITRITE; and many other materials.
- **Phenol** is corrosive to COPPER, BRASS and STAINLESS STEELS.
- Store in tightly closed containers in a cool, well-ventilated area away from LIGHT and AIR.
- Sources of ignition, such as smoking and open flames, are prohibited where **Phenol** is used, handled, or stored in a manner that could create a potential fire or explosion hazard.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

For more information, please contact:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

Acute Exposure Guideline Levels (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

Boiling point is the temperature at which a substance can change its physical state from a liquid to a gas.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **critical temperature** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

Emergency Response Planning Guideline (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

Ionization Potential is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **Lower Explosive Limit**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

Permeated is the movement of chemicals through protective materials.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Protective Action Criteria (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

UEL or **Upper Explosive Limit** is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

Vapor Density is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **vapor pressure** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **PHENOL**

Synonyms: Carbolic Acid; Hydroxybenzene
CAS No: 108-95-2
Molecular Formula: C_6H_5OH
RTK Substance No: 1487
Description: Colorless or white, crystalline solid that is usually sold or used in solution

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
4 - Health **2 - Fire** **0 - Reactivity** **DOT#:** UN 1671 **ERG Guide #:** 153 **Hazard Class:** 6.1 (Poison)	**Phenol** is a COMBUSTIBLE SOLID. Use dry chemical, CO_2, water spray or alcohol-resistant foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE. Use water spray to keep fire-exposed containers cool.	**Phenol** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); ALUMINUM CHLORIDE; CALCIUM HYPOCHLORITE; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); FORMALDEHYDE; ISOCYANATES; BUTADIENE; SODIUM NITRITE; and many other materials. **Phenol** is corrosive to COPPER, BRASS and STAINLESS STEELS.

SPILL/LEAKS

Isolation Distance:

Spill: 25 meters (75 feet) (Solid)
50 meters (150 feet) (Liquid)

Fire: 800 meters (1/2 mile)

For **Phenol** in *solution*, cover with sand and place into sealed containers for disposal.

Collect *solid* material in the most convenient and safe manner and place into sealed containers for disposal.

DO NOT wash into sewer.

Neutralize water spills with dry lime or soda ash.

Phenol is harmful to aquatic life at very low concentrations.

PHYSICAL PROPERTIES

Odor Threshold:	0.4 ppm
Flash Point:	175°F (79.4°C)
LEL:	1.3%
UEL:	8.6%
Auto Ignition Temp:	1,319°F (715°C)
Vapor Density:	3.2 (air = 1)
Vapor Pressure:	0.4 mm Hg at 68°F (20°C)
Specific Gravity:	1.1 (water = 1)
Water Solubility:	Soluble
Boiling Point:	358°F (181°C)
Melting Point:	106°F (41°C)
Ionization Potential:	8.5 eV
Molecular Weight:	94.1
pH:	6 (aqueous solution)

EXPOSURE LIMITS

OSHA: 5 ppm, 8-hr TWA
NIOSH: 5 ppm, 10-hr TWA; 15.6 ppm, 15-min Ceiling
ACGIH: 5 ppm, 8-hr TWA
IDLH: 250 ppm

The Protective Action Criteria values are:
PAC-1 = 15 ppm PAC-2 = 23 ppm PAC-3 = 200 ppm

PROTECTIVE EQUIPMENT

Gloves: Butyl, Silver Shield®/4H®, Viton and Barrier® (>8-hr breakthrough)

Coveralls: Tychem® BR, Responder®, and TK; Trellchem® HPS and VPS (>8-hr breakthrough)

Respirator: >5 ppm - full facepiece APR with *Organic vapor cartridges* and *High efficiency prefilters*
>50 ppm - SCBA

HEALTH EFFECTS

Eyes: Irritation and burns
Skin: Irritation and burns
Inhalation: Nose, throat and lung irritation with coughing and severe shortness of breath (pulmonary edema)
Methemoglobinemia with headache, dizziness, lightheadedness and passing out

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

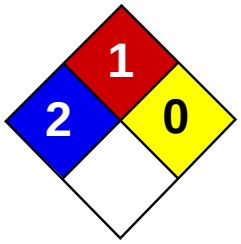
Flush eyes with large amounts of water for at least 30 minutes. Remove contact lenses if worn. Seek medical attention.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of water. Seek medical attention.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.

Medical observation is recommended as symptoms may be delayed.



Health	2
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Selenium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Selenium

Catalog Codes: SLS2629

CAS#: 7782-49-2

RTECS: VS7700000

TSCA: TSCA 8(b) inventory: Selenium

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: Se

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Selenium	7782-49-2	100

Toxicological Data on Ingredients: Selenium: ORAL (LD50): Acute: 6700 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Material in powder form, capable of creating a dust explosion.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label.

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.2 (mg/m3) Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Solid metallic powder.)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 78.96 g/mole

Color: Not available.

pH (1% soln/water): Not applicable.

Boiling Point: 684.9°C (1264.8°F)

Melting Point: 217°C (422.6°F)

Critical Temperature: Not available.

Specific Gravity: 4.81 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 6700 mg/kg [Rat].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in animal. Excreted in maternal milk in human.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Selenium powder : UN2658 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Selenium Massachusetts RTK: Selenium TSCA 8(b) inventory: Selenium SARA 313 toxic chemical notification and release reporting: Selenium CERCLA: Hazardous substances.: Selenium

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).

DSCL (EEC): R36- Irritating to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 06:24 PM

Last Updated: 05/21/2013 12:00 PM

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New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **SILVER**

CAS Number: 7440-22-4
DOT Number: None

RTK Substance number: 1669
Date: January 1986 Revision: October 2002

HAZARD SUMMARY

* **Silver** *dust* can affect you when breathed in.
* Contact can irritate the skin and eyes.
* Breathing **Silver** *dust* can irritate the nose and throat.
* Repeated exposures to **Silver** *dust* can cause blue-gray discoloration (argyria) of the eyes, skin, nose, mouth, throat and internal body organs. This may take years to develop but is permanent.
* **Silver** may affect the kidneys.

IDENTIFICATION

Silver is a brilliant white metal. It is used in making jewelry, silverware and mirrors, and in photography, solders and electroplating.

REASON FOR CITATION

* **Silver** is on the Hazardous Substance List because it is regulated by OSHA cited by ACGIH, NIOSH, DEP, HHAG and EPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **0.01 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.01 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over an 8-hour workshift.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Silver** *dust* and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Silver** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Silver** *dust*:

* Contact can irritate the skin and eyes.
* Breathing **Silver** *dust* can irritate the nose and throat.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Silver** *dust* and can last for months or years:

Cancer Hazard

* There is no evidence that **Silver** *dust* causes cancer in animals. This is based on test results presently available to the New Jersey Department of Health and Senior Services from published studies.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Silver** *dust* has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* Repeated exposures to **Silver** *dust* can cause blue-gray discoloration (argyria) of the eyes, skin, nose, mouth, throat and internal body organs. This may take years to develop but is permanent.
* **Silver** *dust* may affect the kidneys.

MEDICAL

Medical Testing

Before beginning employment and at regular times after that, the following are recommended:

* Careful, periodic exams of the eyes, inner nose, throat and skin are useful.
* Kidney function tests.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

Mixed Exposures

* A few medications contain **Silver**. Caution is advised in the use of these medications for persons exposed to **Silver**.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Silver** *dust* or *powder* from drums or other storage containers to process containers.
* Before entering a confined space where **Silver** *dust* or *powder* may be present, check to make sure that an explosive concentration does not exist.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Silver** *dust* should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Silver** *dust*.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Silver** *dust*, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Silver** *dust*, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Silver** *dust* is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Silver** *dust*. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.
* Contact lenses should not be worn when working with this substance.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* NIOSH has established new testing and certification requirements for negative pressure, air purifying, particulate filter and filtering facepiece respirators. The filter classifications of dust/mist/fume, paint spray or pesticide prefilters, and filters for radon daughters, have been replaced with the N, R, and P series. Each series has three levels of filtering efficiency: 95%, 99%, and 99.9%. Check with your safety equipment supplier or your respirator manufacturer to determine which respirator is appropriate for your facility.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Silver** *dust*, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential exists for exposure over **0.25 mg/m^3**, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **10 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **10 mg/m^3** exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

HANDLING AND STORAGE

* Prior to working with **Silver** you should be trained on its proper handling and storage.
* **Silver** *dust* or *powder* is not compatible with OXYGEN; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); ACETYLENE; AMMONIA; HYDROGEN PEROXIDE; ETHYLENEIMINE; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE) BROMOAZIDE; CHLORINE TRIFLUORIDE; OXALIC; ACID; and TARTARIC ACID.
* Store in tightly closed containers in a cool, well-ventilated area away from LIGHT and AIR.
* Sources of ignition, such as smoking and open flames, are prohibited where **Silver** *dust* or *powder* is used, handled, or stored.
* Metal containers involving the transfer of **Silver** *dust* or *powder* should be grounded and bonded.
* Use only non-sparking tools and equipment, especially when opening and closing containers of **Silver** *dust* or *powder*.
* Wherever **Silver** *dust* or *powder* is used, handled, manufactured, or stored, use explosion-proof electrical equipment and fittings.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?

A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?

A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?

A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?

A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?

A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> E M E R G E N C Y I N F O R M A T I O N <<<<<<<<<<<<<<<<<

Common Name: **SILVER**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **7440-22-4**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
FLAMMABLE DUST OR POWDER POISONOUS FUMES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* *Solid* **Silver** does not burn but is FLAMMABLE in *dust* or *powder* form.
* For fires involving **Silver** *metal* extinguish fire using an agent suitable for type of surrounding fire. **Silver** *metal* itself does not burn.
* For fires involving **Silver** *dust* or *powder* use dry chemical powder extinguishers.
* POISONOUS FUMES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Silver** in *dust* or *powder* form is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Remove all ignition sources.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* Keep **Silver** *dust* or *powder* out of a confined space, such as a sewer, because of the possibility of an explosion, unless the sewer is designed to prevent the build-up of explosive concentrations.
* It may be necessary to contain and dispose of **Silver** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE (See page 3)

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids. Seek medical attention immediately.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash area with large amounts of soap and water. Seek medical attention immediately.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 0 mm Hg at 68°F (20°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Silver

Other Names:

Argentum; Shell Silver

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

Right to Know
Hazardous Substance Fact Sheet

Common Name: **SODIUM**

Synonyms: Natrium

Chemical Name: Sodium

Date: April 2001 Revision: April 2010

CAS Number: 7440-23-5

RTK Substance Number: 1674

DOT Number: UN 1428

Description and Use

S□d□□□ is an odorless, soft, silvery-white metal. It is used as a laboratory reagent, to make other chemicals and *Sodium compounds*, in non-glare lighting on highways, and as a heat transfer agent.

Reasons for Citation

- **S□d□□□** is on the Right to Know Hazardous Substance List because it is cited by DOT, NFPA, and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

E□□ C□□□□□□

- Quickly brush off excess chemical from the face. Immediately flush with large amounts of water for at least 30 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while flushing. Seek medical attention immediately.

S□□□ C□□□□□□

- Quickly remove contaminated clothing. Immediately blot or brush off excess chemical and wash gently with large amounts of water for at least 30 minutes. Seek medical attention immediately.

I□□□□□□□□□

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.
- Medical observation is recommended for 24 to 48 hours after overexposure, as pulmonary edema may be delayed.

EMERGENCY NUMBERS

P□□□□ C□□r□□: 1-800-222-1222

CHEMTREC: 1-800-424-9300

N□DEP H□□□□: 1-877-927-6337

N□□□□□R□□□□□□□ C□□□r: 1-800-424-8802

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Hazard Summary

H□□□rd R□□□□	N□DHSS	NFPA
HEALTH	-	3
FLAMMABILITY	-	3
REACTIVITY	-	2

FLAMMABLE
WATER AND AIR REACTIVE
POISONOUS GASES ARE PRODUCED IN FIRE

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **S□d□□□** can affect you when inhaled.
- Contact can severely irritate and burn the skin and eyes with possible eye damage.
- Exposure can irritate the nose and throat.
- Inhaling **S□d□□□** can irritate the lungs. Higher exposures may cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency.
- **S□d□□□** can cause headache, nausea, vomiting, diarrhea and abdominal pain.
- When **S□d□□□** combines with moisture from the air or skin it becomes corrosive *Sodium Hydroxide*. *For more information, consult the Right to Know Hazardous Substance Fact Sheet on SODIUM HYDROXIDE*.
- **S□d□□□** is FLAMMABLE and REACTIVE and a DANGEROUS FIRE and EXPLOSION HAZARD when exposed to WATER, STEAM, AIR or MOIST AIR.

Workplace Exposure Limits

No occupational exposure limits have been established for **S□d□□□**. However, it may pose a health risk. Always follow safe work practices.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

A□□□□ H□□□□□ E□□□□□□

The following acute (short-term) health effects may occur immediately or shortly after exposure to **S□d□□□**:

- Contact can severely irritate and burn the skin and eyes with possible eye damage.
- Exposure can irritate the nose and throat.
- Inhaling **S□d□□□** can irritate the lungs causing coughing and/or shortness of breath. Higher exposures may cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency, with severe shortness of breath.
- **S□d□□□** can cause headache, nausea, vomiting, diarrhea and abdominal pain.
- When **S□d□□□** combines with moisture from the air or skin, it becomes corrosive *Sodium Hydroxide*.

C□r□□□□ H□□□□□ E□□□□□□

The following chronic (long-term) health effects can occur at some time after exposure to **S□d□□□** and can last for months or years:

Cancer Hazard

- According to the information presently available to the New Jersey Department of Health and Senior Services, **S□d□□□** has not been tested for its ability to cause cancer in animals.

Reproductive Hazard

- According to the information presently available to the New Jersey Department of Health and Senior Services, **S□d□□□** has not been tested for its ability to affect reproduction.

Other Effects

- **S□d□□□** can irritate the lungs. Repeated exposure may cause bronchitis to develop with coughing, phlegm, and/or shortness of breath.

Medical

M□d□□□□T□□□□□□

If symptoms develop or overexposure is suspected, the following is recommended:

- Consider chest x-ray after acute overexposure

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

M□□□d E□□□□□r□□

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Before entering a confined space where **S□d□□□** may be present, check to make sure that an explosive concentration does not exist.
- Always keep **S□d□□□** dry and store under a liquid such as *Kerosene*.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

G□□□□□ □□d C□□□□□□

- Avoid skin contact with **S□d□□□**. Wear personal protective equipment made from material which can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- Safety equipment manufacturers recommend Nitrile gloves, and flame-retardant protective clothing for **S□d□□□**.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

E□□ Pr□□□□□□□□

- Wear eye protection with side shields or goggles.
- If additional protection is needed for the entire face, use in combination with a face shield. A face shield should not be used without another type of eye protection.

R□□□□r□□□r□ Pr□□□□□□□□

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for overexposure to **S□d□□□**, use a NIOSH approved full facepiece negative pressure, air-purifying, particulate filter respirator with an N, R or P95 filter. More protection is provided by a full facepiece respirator than by a half-mask respirator.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **S□d□□□**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential for high exposure exists, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- **S□d□□□** is a FLAMMABLE SOLID which will ignite spontaneously in AIR or MOIST AIR and reacts violently with WATER or STEAM to produce flammable and explosive *Hydrogen gas*.
- Use dry chemicals appropriate for extinguishing metal fires such as graphite, soda ash or powdered sodium chloride.
- DO NOT USE WATER, CO_2 or halogenated extinguishing agents.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Sodium Oxides*.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **S□d□□□** is spilled or leaked, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- DO NOT sweep up dry material, keep dry, cover with dry sand, limestone or clay, and place quickly into a dry container of *Kerosene*, *Naphtha*, *Light Oil* or similar material.
- DO NOT USE WATER OR WET METHOD.
- Ventilate and wash area after clean-up is complete.
- DO NOT wash into sewer.
- Keep **S□d□□□** out of confined spaces, such as sewers, because of the possibility of an explosion.
- It may be necessary to contain and dispose of **S□d□□□** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **S□d□□□** you should be trained on its proper handling and storage.

- **S□d□□□** reacts violently with WATER, STEAM, AIR and MOIST AIR to produce corrosive *Sodium Hydroxide* and flammable and explosive *Hydrogen gas*.
- **S□d□□□** can react explosively or violently with a broad range of chemicals including METALS (such as ALUMINUM, ARSENIC and ZINC); METAL COMPOUNDS; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); CHLORINATED HYDROCARBONS (such as METHYLENE CHLORIDE and TRICHLOROETHYLENE); CARBON DIOXIDE; AZIDES; and MALEIC ANHYDRIDE.
- Store under *Kerosene*, *Naphtha* or other *Light Oil* and in tightly closed containers in a cool, well-ventilated area away from ORGANICS and all forms of MOISTURE.
- Sources of ignition, such as smoking and open flames, are prohibited where **S□d□□□** is used, handled, or stored.
- Use only non-sparking tools and equipment, especially when opening and closing containers of **S□d□□□**.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

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New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

A□□□□ E□□□□□r□ G□□d□□□□ L□□□□□ (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

B□□□□□ □□□□is the temperature at which a substance can change its physical state from a liquid to a gas.

A **□□r□□□□□□** is a substance that causes cancer.

The **CAS □□□ □□r** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **□□□ □□□□□□□□** substance is a solid, liquid or gas that will burn.

A **□□rr□□□□□** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **□r□□□□□□□□ □□r□□□r□** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

E□ □r□□□□□ R□□□□□□□ P□□□□□□□ G□□d□□□□ (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **□□□□□** is an unborn human or animal.

A **□□□□ □ □□□□** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **□□□□□ □□□□□**is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

I□□□□□□□□□ P□□□□□□□□is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **L□□ □r E□□□□□□□□ L□□ □□**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

□ □□□ ^{3} means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **□ □□□□□□** is a substance that causes mutations. A **□ □□□□□□□** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

P□r□ □□□□d is the movement of chemicals through protective materials.

□□□ means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Pr□□□□□□□□ A□□□□□ Cr□□r□□ (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **r□□□□□□□□** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **□□r□□□□□□** is a substance that causes birth defects by damaging the fetus.

UEL or **U□□□r E□□□□□□□□ L□□ □□**is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

V□□□r D□□□□□□ is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **□□□□r □r□□□□r□** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **SODIUM**

Synonyms: Natrium
CAS No: 7440-23-5
Molecular Formula: Na
RTK Substance No: 1674
Description: Odorless, soft, silvery-white metal

HAZARD DATA

Hazard Rating	**Fire**	**Reactivity**
3 - Health **3 - Fire** **2 - Reactivity** **DOT#:** UN 1428 **ERG Guide #:** 138 **Hazard Class:** 4.3 (Dangerous when wet)	**Sodium** is a FLAMMABLE SOLID which will ignite spontaneously in AIR or MOIST AIR and reacts violently with WATER or STEAM to produce flammable and explosive *Hydrogen gas*. Use dry chemicals appropriate for extinguishing metal fires such as graphite, soda ash or powdered sodium chloride. DO NOT USE WATER, CO_2 or halogenated extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including (*Sodium Oxides*).	**Sodium** reacts violently with WATER, STEAM, AIR and MOIST AIR to produce corrosive *Sodium Hydroxide* and flammable and explosive *Hydrogen gas*. **Sodium** can react explosively or violently with a broad range of chemicals including METALS (such as ALUMINUM, ARSENIC and ZINC); METAL COMPOUNDS; STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); CHLORINATED HYDROCARBONS (such as METHYLENE CHLORIDE and TRICHLOROETHYLENE); CARBON DIOXIDE; AZIDES; and MALEIC ANHYDRIDE.

SPILL/LEAKS

Isolation Distance:

Spill: 25 meters (75 feet)

Fire: 800 meters (1/2 mile)

DO NOT sweep up dry material, keep dry, cover with dry sand, limestone or clay, and place quickly into a container of *Kerosene*, *Naphtha, Light Oil* or similar material.

Use only non-sparking tools and equipment, especially when opening and closing containers of **Sodium**.

DO NOT wash into sewer.

Keep **Sodium** out of confined spaces, such as sewers, because of the possibility of an explosion.

Sodium is dangerous to aquatic life at high concentrations.

PHYSICAL PROPERTIES

Odor Threshold:	Odorless
Flash Point:	Flammable solid
Auto Ignition Temp:	>239°F (115°C)
Vapor Density:	0.003 (air = 1)
Vapor Pressure:	1.2 mm Hg at 752°F (400°C)
Specific Gravity:	0.97 (water = 1)
Water Solubility:	Decomposes (violently)
Boiling Point:	1,619°F (882°C)
Melting Point:	208°F (98°C)
Molecular Weight:	22.49

EXPOSURE LIMITS

No occupational exposure limits have been established for **Sodium**.

The Protective Action Criteria values are:

PAC-1 = 0.5 mg/m^3 PAC-2 = 5 mg/m^3

PAC-3 = 50 mg/m^3

PROTECTIVE EQUIPMENT

Gloves:	Nitrile (>8-hr breakthrough for *Kerosene* and *Naphtha*)
Clothing:	Turn out gear or flash protection
Respirator:	>0.5 mg/m^3 -full facepiece APR with High efficiency filters >5 mg/m^3 - SCBA

HEALTH EFFECTS

Eye:	Irritation and burns
Skin:	Irritation and burns
Inhalation:	Nose, throat and lung irritation, with coughing, and severe shortness of breath (pulmonary edema) Headache, dizziness, nausea and vomiting

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Quickly brush off excess chemical from the face. Flush with large amounts of water for at least 30 minutes. Remove contact lenses, if worn. Seek medical attention immediately.

Quickly remove contaminated clothing. Immediately blot or brush off excess chemical and wash with large amounts of water for at least 30 minutes. Seek medical attention immediately.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.

Medical observation is recommended as symptoms may be delayed.

April 2010

Right to Know

Hazardous Substance Fact Sheet

Common Name: **TETRACHLOROETHYLENE**

Synonyms: Ethylene Tetrachloride; Perchloroethylene

Chemical Name: Ethene, Tetrachloro-

Date: March 2002 Revision: October 2011

CAS Number: 127-18-4

RTK Substance Number: 1810

DOT Number: UN 1897

Description and Use

T□r□□□□r□□□□□□□□ is a clear, colorless liquid with a sweet *Ether*-like odor. It is used as a dry cleaning solvent, heat transfer medium, degreaser, solvent, and drying agent for metals.

- **ODOR THRESHOLD = 5 □□ 50 □□□**
- Odor thresholds vary greatly. Do not rely on odor alone to determine potentially hazardous exposures.

Reasons for Citation

- **T□r□□□□r□□□□□□□□** is on the Right to Know Hazardous Substance List because it is cited by OSHA, ACGIH, DOT, NIOSH, NTP, DEP, IARC, IRIS, NFPA and EPA.
- This chemical is on the Special Health Hazard Substance List.

SEE GLOSSARY ON PAGE 5.

FIRST AID

E□□ C□□□□□□

- Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses, if worn, while rinsing.

S□□□ C□□□□□□

- Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

I□□□□□□□□

- Remove the person from exposure.
- Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
- Transfer promptly to a medical facility.
- Medical observation is recommended for 24 to 48 hours after overexposure, as pulmonary edema may be delayed.

EMERGENCY NUMBERS

P□□□□□ C□□□r□□: 1-800-222-1222

CHEMTREC: 1-800-424-9300

N□DEP H□□□□□: 1-877-927-6337

N□□□□□□R□□□□□□□ C□□□r: 1-800-424-8802

EMERGENCY RESPONDERS >>>> SEE LAST PAGE

Hazard Summary

H□□□rd R□□□□	N□DHSS	NFPA
HEALTH	3	2
FLAMMABILITY	-	0
REACTIVITY	-	0

CARCINOGEN
POISONOUS GASES ARE PRODUCED IN FIRE
DOES NOT BURN

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

- **T□r□□□□r□□□□□□□□** can affect you when inhaled and by passing through the skin.
- **T□r□□□□r□□□□□□□□** should be handled as a CARCINOGEN--WITH EXTREME CAUTION.
- **T□r□□□□r□□□□□□□□** can cause reproductive damage.
- Contact can irritate and burn the skin and eyes. Prolonged or repeated exposure can cause drying and cracking of the skin with rash, redness and blisters.
- Exposure can irritate the eyes, nose and throat.
- Inhaling **T□r□□□□r□□□□□□□□** can irritate the lungs. Higher exposures may cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency.
- Exposure can cause headache, dizziness, lightheadedness, nausea, vomiting, and passing out.
- **T□r□□□□r□□□□□□□□** may damage the liver and kidneys and affect the nervous system and heart.

Workplace Exposure Limits

OSHA: The legal airborne permissible exposure limit (PEL) is **100 □□□** averaged over an 8-hour workshift, **200 □□□**, not to be exceeded during any 15-minute work period, and **300 □□□** as a maximum peak for 5-minutes during any 3-hour period.

NIOSH: Recommends that exposure to occupational carcinogens be limited to the lowest feasible concentration.

ACGIH: The threshold limit value (TLV) is **25 □□□** averaged over an 8-hour workshift and **100 □□□** as a STEL (short-term exposure limit).

- **T□r□□□□r□□□□□□□□** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
- The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

Determining Your Exposure

- Read the product manufacturer's Material Safety Data Sheet (MSDS) and the label to determine product ingredients and important safety and health information about the product mixture.
- For each individual hazardous ingredient, read the New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet, available on the RTK Program website (www.nj.gov/health/eoh/rtkweb) or in your facility's RTK Central File or Hazard Communication Standard file.
- You have a right to this information under the New Jersey Worker and Community Right to Know Act and the Public Employees Occupational Safety and Health (PEOSH) Act if you are a public worker in New Jersey, and under the federal Occupational Safety and Health Act (OSHA) if you are a private worker.
- The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and the PEOSH Hazard Communication Standard (N.J.A.C. 12:100-7) require employers to provide similar information and training to their employees.

This Fact Sheet is a summary of available information regarding the health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Health Hazard Information

A□□□ H□□□□ E□□□□□

The following acute (short-term) health effects may occur immediately or shortly after exposure to **T□r□□□□r□□□□□□□□**:

- Contact can irritate and burn the skin and eyes.
- Exposure can irritate the eyes, nose and throat.
- Inhaling **T□r□□□□r□□□□□□□□** can irritate the lungs causing coughing and/or shortness of breath. Higher exposures may cause a build-up of fluid in the lungs (pulmonary edema), a medical emergency, with severe shortness of breath.
- Exposure can cause headache, dizziness, lightheadedness, incoordination, nausea, vomiting, and passing out.

C□r□□□□ H□□□□ E□□□□□

The following chronic (long-term) health effects can occur at some time after exposure to **T□r□□□□r□□□□□□□□** and can last for months or years:

Cancer Hazard

- **T□r□□□□r□□□□□□□□** is a PROBABLE CARCINOGEN in humans. There is evidence that it causes cancer of the liver, esophagus, bladder, and other types of cancer in humans. It has also been shown to cause cancer of the liver and leukemia in animals.
- Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

- **T□r□□□□r□□□□□□□□** may damage the developing fetus.
- **T□r□□□□r□□□□□□□□** may decrease fertility in males and females and may damage the male (testes) and female (ovaries) reproductive systems in animals.
- There is limited evidence that **T□r□□□□r□□□□□□□□** causes spontaneous abortions.

Other Effects

- Prolonged or repeated exposure can cause drying and cracking of the skin with rash, redness and blisters.
- **T□r□□□□r□□□□□□□□** may damage the liver and kidneys and affect the nervous system and heart

Medical

M□d□□□□T□□□□□

For frequent or potentially high exposure (half the TLV or greater), the following are recommended before beginning work and at regular times after that:

- Liver and kidney function tests

If symptoms develop or overexposure is suspected, the following are recommended:

- Consider chest x-ray after acute overexposure
- Exam of the nervous system
- EKG

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

You have a legal right to request copies of your medical testing under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

M□□□d E□□□□□r□□

- Smoking can cause heart disease, lung cancer, emphysema, and other respiratory problems. It may worsen respiratory conditions caused by chemical exposure. Even if you have smoked for a long time, stopping now will reduce your risk of developing health problems.
- More than light alcohol consumption can cause liver damage. Drinking alcohol can increase the liver damage caused by **T□r□□□□r□□□□□□□□**.

Workplace Controls and Practices

Very toxic chemicals, or those that are reproductive hazards or sensitizers, require expert advice on control measures if a less toxic chemical cannot be substituted. Control measures include: (1) enclosing chemical processes for severely irritating and corrosive chemicals, (2) using local exhaust ventilation for chemicals that may be harmful with a single exposure, and (3) using general ventilation to control exposures to skin and eye irritants. For further information on workplace controls, consult the NIOSH document on Control Banding at www.cdc.gov/niosh/topics/ctrlbanding/.

The following work practices are also recommended:

- Label process containers.
- Provide employees with hazard information and training.
- Monitor airborne chemical concentrations.
- Use engineering controls if concentrations exceed recommended exposure levels.
- Provide eye wash fountains and emergency showers.
- Wash or shower if skin comes in contact with a hazardous material.
- Always wash at the end of the workshift.
- Change into clean clothing if clothing becomes contaminated.
- Do not take contaminated clothing home.
- Get special training to wash contaminated clothing.
- Do not eat, smoke, or drink in areas where chemicals are being handled, processed or stored.
- Wash hands carefully before eating, smoking, drinking, applying cosmetics or using the toilet.

In addition, the following may be useful or required:

- Where possible, transfer **T□r□□□□r□□□□□□□□** from drums or other containers to process containers in an enclosed system.

Personal Protective Equipment

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

G□□□□ □□d C□□□□□

- Avoid skin contact with **T□r□□□□r□□□□□□□**. Wear personal protective equipment made from material that can not be permeated or degraded by this substance. Safety equipment suppliers and manufacturers can provide recommendations on the most protective glove and clothing material for your operation.
- The recommended glove materials for **T□r□□□□r□□□□□□□** are Polyvinyl Alcohol, Silver Shield®/4H®, Viton, Viton/Butyl and Barrier®.
- The recommended protective clothing materials for **T□r□□□□r□□□□□□□** are Tychem® F, CPF3, BR, CSM and TK; and Trellchem® HPS and VPS, or the equivalent.
- All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

E□□ Pr□□□□□□□

- Wear indirect vent goggles when working with liquids that may splash, spray or mist. A face shield is also required if the liquid is severely irritating or corrosive to the skin and eyes.

R□□□r□□□r□ Pr□□□□□□□

Improper use of respirators is dangerous. Respirators should only be used if the employer has implemented a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

- Where the potential exists for exposure to **T□r□□□□r□-□□□□□□**, use a NIOSH approved respirator with an organic vapor cartridge. More protection is provided by a full facepiece respirator than by a half-mask respirator, and even greater protection is provided by a powered-air purifying respirator.
- Leave the area immediately if (1) while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **T□r□□□□r□□□□□□□**, (2) while wearing particulate filters abnormal resistance to breathing is experienced, or (3) eye irritation occurs while wearing a full facepiece respirator. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
- Consider all potential sources of exposure in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
- Where the potential exists for exposure over **25** □□□, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus or an emergency escape air cylinder.
- Exposure to **150** □□□ is immediately dangerous to life and health. If the possibility of exposure above **150** □□□ exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

Fire Hazards

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

- Extinguish fire using an agent suitable for type of surrounding fire. **T□r□□□□r□□□□□□□** itself does not burn.
- POISONOUS GASES ARE PRODUCED IN FIRE, including *Hydrogen Chloride* and *Phosgene*.
- Use water spray to keep fire-exposed containers cool.

Spills and Emergencies

If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

If **T□□r□□□□□r□□□□□□□□□** is spilled or leaked, take the following steps:

- Evacuate personnel and secure and control entrance to the area.
- Eliminate all ignition sources.
- Absorb liquids in dry sand, earth, or a similar material and place into sealed containers for disposal.
- Ventilate area of spill or leak.
- DO NOT wash into sewer.
- It may be necessary to contain and dispose of **T□□r□□□□□r□□□□□□□□□** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.

Handling and Storage

Prior to working with **T□□r□□□□□r□□□□□□□□□** you should be trained on its proper handling and storage.

- **T□□r□□□□□r□□□□□□□□□** reacts violently with *finely dispersed* or *finely divided* METALS (such as ALUMINUM, BARIUM, LITHIUM, BERYLLIUM and ZINC).
- **T□□r□□□□□r□□□□□□□□□** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); SULFURIC ACID; NITRIC ACID; SODIUM HYDROXIDE; and POTASSIUM HYDROXIDE.
- **T□□r□□□□□r□□□□□□□□□** slowly decomposes in WATER to form acids such as *Hydrogen Chloride*.
- **T□□r□□□□□r□□□□□□□□□** decomposes slowly with heating, and with exposure to ultraviolet light or on contact with hot surfaces, to form toxic *Hydrogen Chloride* and *Phosgene gases*.
- Store in tightly closed containers in a cool, well-ventilated area.

Occupational Health Information Resources

The New Jersey Department of Health and Senior Services, Occupational Health Service, offers multiple services in occupational health. These services include providing informational resources, educational materials, public presentations, and industrial hygiene and medical investigations and evaluations.

F□r □ □r□ □□□□r□ □□□□□, □□□□□□ □□□□□□□:

New Jersey Department of Health & Senior Services
Right to Know Program
PO Box 368
Trenton, NJ 08625-0368
Phone: 609-984-2202
Fax: 609-984-7407
E-mail: rtk@doh.state.nj.us
Web address: http://www.nj.gov/health/eoh/rtkweb

The Right to Know Hazardous Substance Fact Sheets are not intended to be copied and sold for commercial purposes.

GLOSSARY

ACGIH is the American Conference of Governmental Industrial Hygienists. They publish guidelines called Threshold Limit Values (TLVs) for exposure to workplace chemicals.

A□□□□ E□□□□□r□ G□□d□□□□ L□□□□□ (AEGLs) are established by the EPA. They describe the risk to humans resulting from once-in-a lifetime, or rare, exposure to airborne chemicals.

B□□□□□ □□□□□is the temperature at which a substance can change its physical state from a liquid to a gas.

A **□□r□□□□□□** is a substance that causes cancer.

The **CAS □□□ □□r** is unique, identifying number, assigned by the Chemical Abstracts Service, to a specific chemical.

CFR is the Code of Federal Regulations, which are the regulations of the United States government.

A **□□□ □□□□□□□□** substance is a solid, liquid or gas that will burn.

A **□□rr□□□□□** substance is a gas, liquid or solid that causes destruction of human skin or severe corrosion of containers.

The **□r□□□□□□□□ □□r□□□r□** is the temperature above which a gas cannot be liquefied, regardless of the pressure applied.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

ERG is the Emergency Response Guidebook. It is a guide for emergency responders for transportation emergencies involving hazardous substances.

E□ □r□□□□□ R□□□□□□□ P□□□□□□□ G□□d□□□□ (ERPG) values provide estimates of concentration ranges where one reasonably might anticipate observing adverse effects.

A **□□□□□** is an unborn human or animal.

A **□□□□ □ □□□□** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **□□□□□ □□□□□**is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group.

I□□□□□□□□ P□□□□□□□is the amount of energy needed to remove an electron from an atom or molecule. It is measured in electron volts.

IRIS is the Integrated Risk Information System database on human health effects that may result from exposure to various chemicals, maintained by federal EPA.

LEL or **L□□ □r E□□□□□□□□ L□□ □□**, is the lowest concentration of a combustible substance (gas or vapor) in the air capable of continuing an explosion.

□ □□□ ^{3} means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **□ □□□□□□** is a substance that causes mutations. A **□ □□□□□□□** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the federal Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the New Jersey Public Employees Occupational Safety and Health Act, which adopts and enforces health and safety standards in public workplaces.

P□r□ □□□□d is the movement of chemicals through protective materials.

□□□ means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

Pr□□□□□□□□ A□□□□□ Cr□□r□□ (PAC) are values established by the Department of Energy and are based on AEGLs and ERPGs. They are used for emergency planning of chemical release events.

A **r□□□□□□□□** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **□□r□□□□□□** is a substance that causes birth defects by damaging the fetus.

UEL or **U□□□r E□□□□□□□□ L□□ □□**is the highest concentration in air above which there is too much fuel (gas or vapor) to begin a reaction or explosion.

V□□□r D□□□□□□ is the ratio of the weight of a given volume of one gas to the weight of another (usually *Air*), at the same temperature and pressure.

The **□□□□r □r□□□□r□** is a force exerted by the vapor in equilibrium with the solid or liquid phase of the same substance. The higher the vapor pressure the higher concentration of the substance in air.

Right to Know Hazardous Substance Fact Sheet

Emergency Responders Quick Reference

Common Name: **TETRACHLOROETHYLENE**

Synonyms: Ethene, Tetrachloro-; Ethylene Tetrachloride; Perchloroethylene
CAS No: 127-18-4
Molecular Formula: $Cl_2C{=}CCl_2$
RTK Substance No: 1810
Description: Clear, colorless liquid with a sweet *Ether*-like odor

HAZARD DATA

Hazard Rating	**Fire Fighting**	**Reactivity**
3 - Health **0 - Fire** **0 - Reactivity** **DOT#:** UN 1897 **ERG Guide #:** 160 **Hazard Class:** 6.1 (Toxic)	Extinguish fire using an agent suitable for type of surrounding fire. **Tetrachloroethylene** itself does not burn. POISONOUS GASES ARE PRODUCED IN FIRE, including *Hydrogen Chloride* and *Phosgene*. Use water spray to keep fire-exposed containers cool.	**Tetrachloroethylene** reacts violently with *finely dispersed* or *finely divided* METALS (such as ALUMINUM, BARIUM, LITHIUM, BERYLLIUM and ZINC). **Tetrachloroethylene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); SULFURIC ACID; NITRIC ACID; SODIUM HYDROXIDE; and POTASSIUM HYDROXIDE. **Tetrachloroethylene** slowly decomposes in WATER to form acids such as *Hydrogen Chloride*. **Tetrachloroethylene** decomposes slowly with heating, and with exposure to ultraviolet light or on contact with hot surfaces, to form toxic *Hydrogen Chloride* and *Phosgene gases*.

SPILL/LEAKS

Initial Isolation:

Small: 50 meters (150 feet)
Large: 800 meters (1/2 mile)

Absorb liquids in dry sand, earth, or a similar material and place into sealed containers for disposal.
DO NOT wash into sewer.
Tetrachloroethylene is toxic to aquatic organisms and may cause long term effects on the aquatic environment.

PHYSICAL PROPERTIES

Odor Threshold:	5 to 50 ppm
Flash Point:	Noncombustible
Vapor Density:	5.8 (air = 1)
Vapor Pressure:	14 mm Hg at 68°F (20°C)
Specific Gravity:	1.62 (water = 1)
Water Solubility:	Very slightly soluble
Boiling Point:	250°F (121°C)
Freezing Point:	-2°F (-19°C)
Ionization Potential:	9.32 eV
Molecular Weight:	165.8

EXPOSURE LIMITS

OSHA:	100 ppm, 8-hr TWA; 200 ppm, Ceiling; 300 ppm, Peak
NIOSH:	Lowest feasible concentration
ACGIH:	25 ppm, 8-hr TWA; 100 ppm, STEL
IDLH:	150 ppm

The Protective Action Criteria values are:
PAC-1 = 35 ppm PAC-2 = 230 ppm
PAC-3 = 1,200 ppm

PROTECTIVE EQUIPMENT

Gloves:	Polyvinyl Alcohol, Silver Shield®/4H®, Viton, Viton/Butyl and Barrier® (>8-hr breakthrough)
Clothing:	Tychem® F, CPF3, BR and CSM; Trellchem® HPS and VPS (>8-hr breakthrough)
Respirator:	<25 ppm - full facepiece APR with *Organic vapor filters* Spills or Fire - SCBA

HEALTH EFFECTS

Eye:	Irritation and burns
Skin:	Irritation and burns (skin absorbable)
Inhalation:	Nose, throat and lung irritation with coughing and severe shortness of breath (pulmonary edema) Headache, dizziness, lightheadedness, and passing out
Cancer:	Cancer (liver, esophagus and bladder)

FIRST AID AND DECONTAMINATION

Remove the person from exposure.
Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn.
Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.
Begin artificial respiration if breathing has stopped and CPR if necessary.
Transport promptly to a medical facility.
Medical observation is recommended as symptoms may be delayed.

Material Safety Data Sheet
Toluene, 99%

ACC# 96584

Section 1 - Chemical Product and Company Identification

MSDS Name: Toluene, 99%
Catalog Numbers: AC177160000, AC177160010, AC177160025, AC177160200, AC177160250
Synonyms: Methacide; Methylbenzene; Methylbenzol; Phenylmethane; Toluol.
Company Identification:
Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410
For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
108-88-3	Benzene, methyl-	>99.0	203-625-9

Hazard Symbols: XN F
Risk Phrases: 11 20

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: colorless liquid. Flash Point: 40 deg F. **Flammable liquid and vapor.** May cause central nervous system depression. May cause liver and kidney damage. This substance has caused adverse reproductive and fetal effects in animals. Causes digestive and respiratory tract irritation. May cause skin irritation. Aspiration hazard if swallowed. Can enter lungs and cause damage.
Danger! Harmful or fatal if swallowed. Causes eye irritation and possible transient injury. Poison! May be absorbed through intact skin. Vapor harmful. Call physician immmediately.
Target Organs: Kidneys, central nervous system, liver.

Potential Health Effects

Eye: Causes eye irritation. May result in corneal injury. Vapors may cause eye irritation.
Skin: May cause skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. May be absorbed through the skin.
Ingestion: Aspiration hazard. May cause irritation of the digestive tract. May cause effects similar to those for inhalation exposure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.
Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Inhalation of vapor may cause respiratory tract irritation. May cause liver and kidney damage. Vapors may cause dizziness or suffocation. Overexposure may cause dizziness, tremors, restlessness, rapid heart beat, increased blood pressure, hallucinations, acidosis, kidney failure.

Chronic: Prolonged or repeated skin contact may cause dermatitis. May cause cardiac sensitization and severe heart abnormalities. May cause liver and kidney damage.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Possible aspiration hazard. Get medical aid immediately.
Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Notes to Physician: Causes cardiac sensitization to endogenous catelcholamines which may lead to cardiac arrhythmias. Do NOT use adrenergic agents such as epinephrine or pseudoepinephrine.

Section 5 - Fire Fighting Measures

General Information: Containers can build up pressure if exposed to heat and/or fire. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Flammable Liquid. Can release vapors that form explosive mixtures at temperatures above the flashpoint. Use water spray to keep fire-exposed containers cool. Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.
Extinguishing Media: Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water. For small fires, use dry chemical, carbon dioxide, water spray or regular foam. Cool containers with flooding quantities of water until well after fire is out. For large fires, use water spray, fog or regular foam.
Flash Point: 40e deg F (4.44 deg C)
Autoignition Temperature: 896 deg F (480.00 deg C)
Explosion Limits, Lower:1.1
Upper: 7.1
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 0

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as saw dust. A vapor suppressing foam may be used to reduce vapors. Water spray may reduce vapor but may not prevent ignition in closed spaces.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Storage: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzene, methyl-	50 ppm TWA; skin - potential for cutaneous absorption	100 ppm TWA; 375 mg/m3 TWA 500 ppm IDLH	200 ppm TWA; 300 ppm Ceiling

OSHA Vacated PELs: Benzene, methyl-: 100 ppm TWA; 375 mg/m3 TWA
Personal Protective Equipment
Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: colorless
Odor: sweetish odor - pleasant odor
pH: Not available.
Vapor Pressure: 36.7 mm Hg @ 30C
Vapor Density: 3.1 (Air=1)
Evaporation Rate:2.4 (Butyl acetate=1)
Viscosity: 0.59 cP @ 20C
Boiling Point: 232 deg F
Freezing/Melting Point:-139 deg F
Decomposition Temperature: Not available.
Solubility: Insoluble.
Specific Gravity/Density:0.9 (Water=1)

Molecular Formula:C6H5CH3
Molecular Weight:92.056

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, ignition sources, excess heat.
Incompatibilities with Other Materials: Ntrogen tetroxide, nitric acid + sulfuric acid, silver perchlorate, strong oxidizers, sodium dilfuoride, .
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 108-88-3: XS5250000
LD50/LC50:
CAS# 108-88-3:
Draize test, rabbit, eye: 870 ug Mild;
Draize test, rabbit, eye: 2 mg/24H Severe;
Draize test, rabbit, skin: 435 mg Mild;
Draize test, rabbit, skin: 500 mg Moderate;
Draize test, rabbit, skin: 20 mg/24H Moderate;
Inhalation, mouse: LC50 = 400 ppm/24H;
Inhalation, rat: LC50 = 49 gm/m3/4H;
Oral, rat: LD50 = 636 mg/kg;
Skin, rabbit: LD50 = 14100 uL/kg;
Carcinogenicity:
CAS# 108-88-3:
ACGIH: A4 - Not Classifiable as a Human Carcinogen
IARC: IARC Group 3 - not classifiable
Epidemiology: No information available.
Teratogenicity: Specific developmental abnormalities included craniofacial effects involving the nose and tongue, musculoskeletal effects, urogenital and metabolic effects in studies on mice and rats by the inhalation and oral routes of exposure. Some evidence of fetotoxicity with reduced fetal weight and retarded skeletal development has been reported in mice and rats.
Reproductive Effects: Effects on fertility such as abortion were reported in rabbits by inhalation. Paternal effects were noted in rats by inhalation. These effects involved the testes, sperm duct and epididymis.
Neurotoxicity: No information available.
Mutagenicity: No information available.
Other Studies: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: No data available. Bluegill LC50=17 mg/L/24H Shrimp LC50=4.3 ppm/96HFathead minnow LC50=36.2 mg/L/96HSunfish (fresh water) TLm=1180 mg/L/96H
Environmental: From soil, substance evaporates and is microbially biodegraded. In water,

substance volatilizes and biodegrades.
Physical: Photochemically produced hydroxyl radicals degrade substance.
Other: None.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: CAS# 108-88-3: waste number U220.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	IMO	Canada TDG
Shipping Name:	TOLUENE				No information available.
Hazard Class:	3				
UN Number:	UN1294				
Packing Group:	II				

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 108-88-3 is listed on the TSCA inventory.
Health & Safety Reporting List
CAS# 108-88-3: Effective Date: 10/4/82; Sunset Date: 10/4/92
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
SARA

CERCLA Hazardous Substances and corresponding RQs
CAS# 108-88-3: 1000 lb final RQ; 454 kg final RQ
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 108-88-3: acute, flammable.
Section 313
This material contains Benzene, methyl- (CAS# 108-88-3, 99 0%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
Clean Air Act:
CAS# 108-88-3 is listed as a hazardous air pollutant (HAP). This material does not contain any

Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
CAS# 108-88-3 is listed as a Hazardous Substance under the CWA. CAS# 108-88-3 is listed as a Priority Pollutant under the Clean Water Act. CAS# 108-88-3 is listed as a Toxic Pollutant under the Clean Water Act.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 108-88-3 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.
WARNING: This product contains Benzene, methyl-, a chemical known to the state of California to cause birth defects or other reproductive harm. California No Significant Risk Level: None of the chemicals in this product are listed.

European / International Regulations

European Labeling in Accordance with EC Directives
Hazard Symbols:
XN F
Risk Phrases:
R 11 Highly flammable.
R 20 Harmful by inhalation.

Safety Phrases:
S 16 Keep away from sources of ignition - No smoking.
S 25 Avoid contact with eyes.
S 29 Do not empty into drains.
S 33 Take precautionary measures against static discharges.

WGK (Water Danger / Protection)
CAS# 108-88-3: 2
Canada - DSL / NDSL
CAS# 108-88-3 is listed on Canada's DSL List.
Canada - WHMIS
This product does not have a WHMIS classification.
Canadian Ingredient Disclosure List
CAS# 108-88-3 is listed on the Canadian Ingredient Disclosure List.
Exposure Limits
CAS# 108-88-3: OEL-AUSTRALIA:TWA 100 ppm (375 mg/m3);STEL 150 ppm (5 60 mg/m3) OEL-BELGIUM:TWA 100 ppm (377 mg/m3);STEL 150 ppm (565 mg/m3) OEL-CZECHOSLOVAKIA:TWA 200 mg/m3;STEL 1000 mg/m3 OEL-DENMARK:TWA 5 0 ppm (190 mg/m3);Skin OEL-FINLAND:TWA 100 ppm (375 mg/m3);STEL 150 p pm;Skin OEL-FRANCE:TWA 100 ppm (375 mg/m3);STEL 150 ppm (560 mg/m3) OEL-GERMANY:TWA 100 ppm (380 mg/m3) OEL-HUNGARY:TWA 100 mg/m3;STEL 30 0 mg/m3;Skin OEL-JAPAN:TWA 100 ppm (380 mg/m3) OEL-THE NETHERLANDS:T WA 100 ppm (375 mg/m3);Skin OEL-THE PHILIPPINES:TWA 100 ppm (375 mg/m 3) OEL-POLAND:TWA 100 mg/m3 OEL-RUSSIA:TWA 100 ppm;STEL 50 mg/m3 OE L-SWEDEN:TWA 50 ppm (200 mg/m3);STEL 100 ppm (400 mg/m3);Skin OEL-SWI TZERLAND:TWA 100 ppm (380 mg/m3);STEL 500 ppm OEL-THAILAND:TWA 200 pp m;STEL 300 ppm OEL-TURKEY:TWA 200 ppm (750 mg/m3) OEL-UNITED KINGDOM :TWA 100 ppm (375 mg/m3);STEL 150 ppm;Skin OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

Section 16 - Additional Information

MSDS Creation Date: 6/01/1999
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New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **ZINC OXIDE**

CAS Number: 1314-13-2
DOT Number: UN 3077
DOT Hazard Class: 9 (Miscellaneous Hazardous Material)

RTK Substance number: 2037
Date: February 2000 Revision: January 2007

HAZARD SUMMARY

* **Zinc Oxide** can affect you when breathed in.
* Exposure to **Zinc Oxide** can cause "*metal fume fever*." This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.
* **Zinc Oxide** may be released when welding galvanized metal.

IDENTIFICATION

Zinc Oxide is a white or yellowish-white, odorless powder which is used in pigments, rubber, paints, ceramics, plastics, cosmetics and pharmaceuticals. **Zinc Oxide** *fumes* are fine, white, odorless particles which are formed when *Zinc* or *Zinc alloys* are heated to high temperatures (such as in welding, galvanizing and smelting).

REASON FOR CITATION

* **Zinc Oxide** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, DOT, NIOSH, DEP and EPA.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard (29 CFR 1910.1200) requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) is **5 mg/m^3** (for **Zinc Oxide** *fume*), **15 mg/m^3** (for *total dust*), and **5 mg/m^3** (for *respirable dust*) averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **5 mg/m^3** (for **Zinc Oxide** *fume* and *dust*) averaged over a 10-hour workshift, **10 mg/m^3** as a short-term exposure limit (for **Zinc Oxide** *fume*), and **15 mg/m^3** (for **Zinc Oxide** *dust*), not to be exceeded at any time.

ACGIH: The recommended airborne exposure limit is **2 mg/m^3** averaged over an 8-hour workshift and **10 mg/m^3** as a STEL (short-term exposure limit) for the *respirable fraction*.

WAYS OF REDUCING EXPOSURE

* Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Zinc Oxide** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Zinc Oxide** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

Metal, metal compounds and alloys are often used in "hot" operations in the workplace. These may include, but are not limited to, welding, brazing, soldering, plating, cutting, and metallizing. At the high temperatures reached in these operations, metals often form metal fumes which have different health effects and exposure standards than the original metal or metal compound and require specialized controls. Your workplace can be evaluated for the presence of particular fumes which may be generated. Consult the appropriate New Jersey Department of Health and Senior Services Hazardous Substance Fact Sheet.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Zinc Oxide**:

* Exposure to **Zinc Oxide** can cause *"metal fume fever."* This is a flu-like illness with symptoms of metallic taste in the mouth, headache, fever and chills, aches, chest tightness and cough. The symptoms may be delayed for several hours after exposure and usually last for a day or two.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Zinc Oxide** and can last for months or years:

Cancer Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Zinc Oxide** has not been tested for its ability to cause cancer in animals.

Reproductive Hazard

* **Zinc Oxide** may damage the developing fetus.

Other Long-Term Effects

* **Zinc Oxide** has not been tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under the OSHA Access to Employee Exposure and Medical Records Standard (29 CFR 1910.1020).

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following control is recommended:

* Where possible, automatically transfer **Zinc Oxide** from drums or other storage containers to process containers.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Zinc Oxide** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Zinc Oxide**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Zinc Oxide**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Zinc Oxide**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Zinc Oxide** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, applying cosmetics, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

The OSHA Personal Protective Equipment Standard (29 CFR 1910.132) requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Zinc Oxide**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear eye protection with side shields or goggles.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing, and medical exams, as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

* NIOSH has established new testing and certification requirements for negative pressure, air purifying, particulate filter and filtering facepiece respirators. The filter classifications of dust/mist/fume, paint spray or pesticide prefilters, and filters for radon daughters, have been replaced with the N, R, and P series. Each series has three levels of filtering efficiency: 95%, 99%, and 99.9%. Check with your safety equipment supplier or your respirator manufacturer to determine which respirator is appropriate for your facility.
* If while wearing a filter or cartridge respirator you can smell, taste, or otherwise detect **Zinc Oxide**, or if while wearing particulate filters abnormal resistance to breathing is experienced, or eye irritation occurs while wearing a full facepiece respirator, leave the area immediately. Check to make sure the respirator-to-face seal is still good. If it is, replace the filter or cartridge. If the seal is no longer good, you may need a new respirator.
* Be sure to consider all potential exposures in your workplace. You may need a combination of filters, prefilters or cartridges to protect against different forms of a chemical (such as vapor and mist) or against a mixture of chemicals.
* Where the potential exists for exposure over **20 mg/m^3**, use a NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **500 mg/m^3** is immediately dangerous to life and health. If the possibility of exposure above **500 mg/m^3** exists, use a NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode equipped with an emergency escape air cylinder.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Who is at the greatest risk from reproductive hazards?

A: Pregnant women are at greatest risk from chemicals that harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?

A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 984-7407 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

CFR is the Code of Federal Regulations, which consists of the regulations of the United States government.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

IRIS is the Integrated Risk Information System database of the federal EPA.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEL is the Permissible Exposure Limit which is enforceable by the Occupational Safety and Health Administration.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

STEL is a Short Term Exposure Limit which is usually a 15-minute exposure that should not be exceeded at any time during a work day.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<

Common Name: **ZINC OXIDE**
DOT Number: **UN 3077**
DOT Hazard Class: **9 (Miscellaneous Hazardous Material)**
NAERG Code: **171**
CAS Number: **1314-13-2**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	0	-
REACTIVITY	0	-
DOES NOT BURN POISONOUS FUMES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* Extinguish fire using an agent suitable for type of surrounding fire. **Zinc Oxide** itself does not burn.
* POISONOUS FUMES ARE PRODUCED IN FIRE, including *Zinc Oxide fumes*.
* If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA Fire Brigades Standard (29 CFR 1910.156).

SPILLS AND EMERGENCIES

If **Zinc Oxide** is spilled, take the following steps:

* Evacuate personnel and secure and control entrance to the area.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Zinc Oxide** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. The OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120) may apply.

FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

HANDLING AND STORAGE

* Prior to working with **Zinc Oxide** you should be trained on its proper handling and storage.
* Mixtures of **Zinc Oxide** and CHLORINATED RUBBER may explode when heated above 419°F (215°C).
* MAGNESIUM heated with **Zinc Oxide** may result in an explosion.
* **Zinc Oxide** is not compatible with LINSEED OIL VARNISH; OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and HYDROFLUORIC).
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

For POISON INFORMATION call 1-800-222-1222

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Remove contaminated clothing. Wash contaminated skin with soap and water.

Breathing

* Remove the person from exposure.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 0 mm Hg at 68°F (20°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:
Zinc Oxide (ZnO)
Other Names:
Zincite; Zinc White; Zinc Peroxide

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

APPENDIX D

HEAT AND COLD STRESS FACT SHEETS

Protecting Yourself from

Cold Stress

Workers who are exposed to extreme cold or work in cold environments may be at risk of cold stress. Extremely cold or wet weather is a dangerous situation that can cause occupational illness and injuries such as hypothermia, frostbite, trench foot, and chilblains.

Hypothermia

A condition in which the body uses up its stored energy and can no longer produce heat. Often occurs after prolonged exposure to cold temperature.

Early symptoms

- Shivering
- Fatigue
- Loss of coordination
- Confusion and disorientation

Late symptoms

- No shivering
- Blue skin
- Dilated pupils
- Slowed pulse and breathing
- Loss of consciousness

First Aid

- Request immediate medical assistance.
- Move the victim into a warm room or shelter.
- Remove wet clothing.
- Warm the center of their body first—chest, neck, head, and groin—using an electric blanket; or use skin-to-skin contact under loose, dry layers of blankets, clothing, or towels.
- If conscious, warm beverages may help increase the body temperature. Do not give alcohol.
- Once temperature has increased keep them dry and wrapped in a warm blanket, including the head and neck.
- If no pulse, begin CPR.

Frostbite

An injury to the body that is caused by freezing, which most often affects the nose, ears, cheeks, chin, fingers, or toes.

Symptoms

- Reduced blood flow to hands and feet
- Numbness
- Aching
- Tingling or stinging
- Bluish or pale, waxy skin

First Aid

- Get into a warm room as soon as possible.
- Unless necessary, do not walk on frostbitten feet or toes.
- Immerse the affected area in warm (not hot) water, or warm the affected area using body heat. Do not use a heating pad, fireplace, or radiator for warming.
- Do not massage the frostbitten area; doing so may cause more damage.

Trench Foot

An injury of the feet resulting from prolonged exposure to wet and cold conditions that can occur at temperatures as high as 60 °F if the feet are constantly wet.

Symptoms

- Reddening of the skin
- Numbness
- Leg cramps
- Swelling
- Tingling pain
- Blisters or ulcers
- Bleeding under the skin
- Gangrene (foot may turn dark purple, blue, or gray)

First Aid

- Remove shoes/boots and wet socks.
- Dry feet.
- Avoid walking on feet, as this may cause tissue damage.

Chilblains

Ulcers formed by damaged small blood vessels in the skin, caused by the repeated exposure of skin to temperatures just above freezing to as high as 60 °F.

Symptoms

- Redness
- Itching
- Possible blistering
- Inflammation
- Possible ulceration in severe cases

First Aid

- Avoid scratching.
- Slowly warm the skin.
- Use corticosteroid creams to relieve itching and swelling
- Keep blisters and ulcers clean and covered.

Protect Yourself

- Monitor your physical condition and that of your coworkers.
- Wear appropriate clothing.
  - Wear several layers of loose clothing for insulation.
  - Tight clothing reduces blood circulation to the extremities.
- Be aware that some clothing may restrict movement resulting in a hazardous situation.
- Protect the ears, face, hands and feet in extremely cold or wet weather.
  - Boots should be waterproof and insulated.
  - Wear a hat to reduce the loss of body heat from your head.
- Move into warm locations during breaks; limit the amount of time outside.
- Carry extra socks, gloves, hats, jacket, blankets, a change of clothes and a thermos of hot liquid.
- Include chemical hot packs in your first aid kit.
- Avoid touching cold metal surfaces with bare skin.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health

www.cdc.gov/niosh/topics/outdoor/

DHHS (NIOSH) Publication No. 2010–115

Telephone: 1–800–CDC–INFO
TTY: 1–888–232–6348
E-mail: cdcinfo@cdc.gov

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Fast Facts

Protecting Yourself from
Heat Stress

Heat stress, from exertion or hot environments, places workers at risk for illnesses such as heat stroke, heat exhaustion, or heat cramps.

Heat Stroke

A condition that occurs when the body becomes unable to control its temperature, and can cause death or permanent disability.

Symptoms

- High body temperature
- Confusion
- Loss of coordination
- Hot, dry skin or profuse sweating
- Throbbing headache
- Seizures, coma

First Aid

- Request immediate medical assistance.
- Move the worker to a cool, shaded area.
- Remove excess clothing and apply cool water to their body.

Heat Exhaustion

The body's response to an excessive loss of water and salt, usually through sweating.

Symptoms

- Rapid heart beat
- Heavy sweating
- Extreme weakness or fatigue
- Dizziness
- Nausea, vomiting
- Irritability
- Fast, shallow breathing
- Slightly elevated body temperature

First Aid

- Rest in a cool area.
- Drink plenty of water or other cool beverages.
- Take a cool shower, bath, or sponge bath.

Heat Cramps

Affect workers who sweat a lot during strenuous activity. Sweating depletes the body's salt and moisture levels.

Symptoms

- Muscle cramps, pain, or spasms in the abdomen, arms or legs

First Aid

- Stop all activity, and sit in a cool place.
- Drink clear juice or a sports beverage, or drink water with food.
  - Avoid salt tablets.
- Do not return to strenuous work for a few hours after the cramps subside.
- Seek medical attention if you have the following: heart problems, are on a low-sodium diet, or if the cramps do not subside within one hour.

Protect Yourself

Avoid heavy exertion, extreme heat, sun exposure, and high humidity when possible. When these cannot be avoided, take the following preventative steps:

- Monitor your physical condition and that of your coworkers for signs or symptoms of heat illnesses.
- Wear light-colored, loose-fitting, breathable clothing such as cotton.
  - Avoid non-breathable synthetic clothing.
- Gradually build up to heavy work.
- Schedule heavy work during the coolest parts of day.
- Take more breaks when doing heavier work, and in high heat and humidity.
  - Take breaks in the shade or a cool area.
- Drink water frequently. Drink enough water that you never become thirsty.
- Be aware that protective clothing or personal protective equipment may increase the risk of heat-related illnesses.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health

www.cdc.gov/niosh/topics/outdoor/

DHHS (NIOSH) Publication No. 2010–114

Telephone: 1–800–CDC–INFO
TTY: 1–888–232–6348
E-mail: cdcinfo@cdc.gov

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APPENDIX E

JOBSITE SAFETY INSPECTION FORM

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Client: _____ Inspection Date: _____

Site: _____ Inspector: _____

Project Number: _____

Check one of the following: **A:** Acceptable **NA**: Not Applicable **D**: Deficiency

	A	NA	D	Remarks
1. HASP available on site for inspection?				
2. Health & Safety Compliance agreement (in HASP) appropriately signed by Langan employees and subcontractors?				
3. Hospital route map with directions posted on site?				
4. Emergency Notification List posted on site?				
5. First Aid kit available and properly stocked?				
6. Personnel trained in CPR/First Aid on site?				
7. MSDSs readily available, and all workers knowledgeable about the specific chemicals and compounds to which they may be exposed?				
8 Appropriate PPE being worn by Langan employees and subcontractors?				
9. Project site safe practices ("Standing Orders") posted?				
10. Project staff have 40-hr./8-hr./Supervisor HAZWOPER training?				
11. Project staff medically cleared to work in hazardous waste sites and fit-tested to wear respirators, if needed?				
12. Respiratory protection readily available?				
13. Health & Safety Incident Report forms available?				
14. Air monitoring instruments calibrated daily and results recorded on the Daily Instrument Calibration check sheet?				
15. Air monitoring readings recorded on the air monitoring data sheet/field log book?				
16. Subcontract workers have received 40-hr./8-hr./Spvsr. HAZWOPER training, as appropriate?				
17. Subcontract workers medically cleared to work on site, and fit-tested for respirator wear?				
18. Subcontract workers have respirators readily available?				
19. Markouts of underground utilities done prior to initiating any subsurface activities?				
20. Decontamination procedures being followed as outlined in HASP?				
21. Are tools in good condition and properly used?				
22. Drilling performed in areas free from underground objects including utilities?				
23. Adequate size/type fire extinguisher supplied?				
24. Equipment at least 20 feet from overhead powerlines?				
25. Evidence that drilling operator is responsible for the safety of his rig.				
26. Trench sides shored, layed back, or boxed?				
27. Underground utilities located and authorities contacted before digging?				

28. Ladders in trench (25-foot spacing)?				
29. Excavated material placed more than 2 feet away from excavation edge?				
30. Public protected from exposure to open excavation?				
31. People entering the excavation regarding it as a permit-required confined space and following appropriate procedures?				
32. Confined space entry permit is completed and posted?				
33. All persons knowledgable about the conditions and characteristics of the confined space?				
34. All persons engaged in confined space operations have been trained in safe entry and rescue (non-entry)?				
35. Full body harnesses, lifelines, and hoisting apparatus available for rescue needs?				
36. Attendant and/or supervisor certified in basic first aid and CPR?				
37. Confined space atmosphere checked before entry and continuously while the work is going on?				
38. Results of confined space atmosphere testing recorded?				
39. Evidence of coordination with off-site rescue services to perform entry rescue, if needed?				
40. Are extension cords rated for this work being used and are they properly maintained?				
41. Are GFCIs provided and being used?				

Unsafe acts observed? _____

_____

_____

_____

Additional remarks _____

_____

_____

_____

Distribution: Project Manager (for information and follow-up) Name: _____
Health & Safety Officer (for corrective action) Name: _____
Health & Safety Coordinator (resource for corrective action and follow-up)

APPENDIX F

SITE SAFETY MEETING FORM

SAFETY BRIEFING

Date: _____Time: _____Leader: _____Location: _____

Work Task: _____

SAFETY TOPICS (*provide some detail of discussion points*)

Chemical Exposure Hazards and Control _____

Physical Hazards and Control _____

Air Monitoring _____

PPE _____

Communications _____

Safe Work Practices _____

Emergency Response _____

Hospital/Medical Center Location _____

Phone Nos. _____

Other _____

FOR FOLLOW-UP (the issues, responsibilities, due dates, etc.**)**

_____

_____

_____

ATTENDEES

PRINT NAME	COMPANY	SIGNATURE

Briefing Conducted By: _____

APPENDIX G

DECONTAMINATION PROCEDURES

PERSONNEL DECONTAMINATION

LEVEL A DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and fully-encapsulating suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Tank Change	4. If worker leaves Exclusion Zone to change air tank, this is the last step in the decontamination procedure. Worker's air tank is exchanged, new outer gloves and boot covers donned, joints taped, and worker returns to duty.
Station 5:	Boot, Gloves and Outer Garment Removal	5. Boots, fully-encapsulating suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 6:	SCBA Removal	6. SCBA backpack and facepiece is removed (avoid touching face with fingers). SCBA deposited on plastic sheets.
Station 7:	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.

LEVEL B DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical-resistant splash suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Tank Change	4. If worker leaves Exclusion Zone to change air tank, this is the last step in the decontamination procedure. Worker's air tank is exchanged, new outer gloves and boot covers donned, joints taped, and worker returns to duty.
Station 5:	Boot, Gloves and Outer Garment Removal	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 6:	SCBA Removal	6. SCBA backpack and facepiece is removed (avoid touching face with fingers). SCBA deposited on plastic sheets.
Station 7:	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.

LEVEL C DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical-resistant splash suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Canister or Mask Change	4. If worker leaves Exclusion Zone to change canister (or mask), this is the last step in the decontamination procedure. Worker's canister is exchanged, new outer gloves and boot covers donned, joints taped, and worker returns to duty.
Station 5:	Boot, Gloves and Outer Garment Removal	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 6:	Facepiece Removal	6. Facepiece is removed (avoid touching face with fingers). Facepiece deposited on plastic sheets.
Station 7:	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.

LEVEL D DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical-resistant splash suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Boot, Gloves and Outer Garment Removal	4. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 5:	Field Wash	5. Hands and face are thoroughly washed. Shower as soon as possible.

EQUIPMENT DECONTAMINATION

GENERAL:

Equipment to be decontaminated during the project may include tools, monitoring equipment, respirators, sampling containers, laboratory equipment and drilling equipment.

All decontamination will be done by personnel in protective gear, appropriate for the level of decontamination, as determined by the site HSO. The decontamination work tasks will be split or rotated among support and work crews.

Depending on site conditions, backhoe and pumps may be decontaminated over a portable decontamination pad to contain wash water; or, wash water may be allowed to run off into a storm sewer system. Equipment needed may include a steam generator with high-pressure water, empty drums, screens, screen support structures, and shovels. Drums will be used to hold contaminated wash water pumped from the lined pit. These drums will be labeled as such.

Miscellaneous tools and equipment will be dropped into a plastic pail, tub, or other container. They will be brushed off and rinsed with a detergent solution, and finally rinsed with clean water.

MONITORING EQUIPMENT:

Monitoring equipment will be protected as much as possible from contamination by draping, masking, or otherwise covering as much of the instruments as possible with plastic without hindering the operation of the unit. The HNu or OVA meter, for example, can be placed in a clear plastic bag, which allows reading of the scale and operation of knobs. The probes can be partially wrapped keeping the sensor tip and discharge port clear.

The contaminated equipment will be taken from the drop area and the protective coverings removed and disposed in the appropriate containers. Any dirt or obvious contamination will be brushed or wiped with a disposable paper wipe.

RESPIRATORS:

Respirators will be cleaned and disinfected after every use. Taken from the drop area, the masks (with the cartridges removed and disposed of with other used disposable gear) will be immersed in a cleaning solution and scrubbed gently with a soft brush, followed by a rinse in plain warm water, and then allowed to air dry. In the morning, new cartridges will be installed. Personnel will inspect their own masks for serviceability prior to donning them. And, once the mask is on, the wearer will check the respirator for leakage using the negative and positive pressure fit check techniques.

APPENDIX H

STANDING ORDERS

STANDING ORDERS

GENERAL

- No smoking, eating, or drinking in this work zone.
- Upon leaving the work zone, personnel will thoroughly wash their hands and face.
- Minimize contact with contaminated materials through proper planning of work areas and decontamination areas, and by following proper procedures. Do not place equipment on the ground. Do not sit on contaminated materials.
- No open flames in the work zone.
- Only properly trained and equipped personnel are permitted to work in potentially contaminated areas.
- Always use the appropriate level of personal protective equipment (PPE).
- Maintain close contact with your buddy in the work zone
- Contaminated material will be contained in the Exclusion Zone (EZ).
- Report any unusual conditions.
- Work areas will be kept clear and uncluttered. Debris and other slip, trip, and fall hazards will be removed as frequently as possible.
- The number of personnel and equipment in the work zone will be kept to an essential minimum.
- Be alert to the symptoms of fatigue and heat/cold stress, and their effects on the normal caution and judgment of personnel.
- Conflicting situations which may arise concerning safety requirements and working conditions must be addressed and resolved quickly by the site HSO.

TOOLS AND HEAVY EQUIPMENT

- Do not, under any circumstances, enter or ride in or on any backhoe bucket, materials hoist, or any other device not specifically designed to carrying passengers.
- Loose-fitting clothing or loose long hair is prohibited around moving machinery.
- Ensure that heavy equipment operators and all other personnel in the work zone are using the same hand signals to communicate.
- Drilling/excavating within 10 feet in any direction of overhead power lines is prohibited.
- The locations of all underground utilities must be identified and marked out prior to initiating any subsurface activities.
- Check to insure that the equipment operator has lowered all blades and buckets to the ground before shutting off the vehicle.
- If the equipment has an emergency stop device, have the operator show all personnel its location and how to activate it.
- Help the operator ensure adequate clearances when the equipment must negotiate in tight quarters; serve as a signalman to direct backing as necessary.
- Ensure that all heavy equipment that is used in the Exclusion Zone is kept in that zone until the job is done, and that such equipment is completely decontaminated before moving it into the clean area of the work zone.
- Samplers must not reach into or get near rotating equipment such as the drill rig. If personnel must work near any tools that could rotate, the equipment operator must completely shut down the rig prior to initiating such work. It may be necessary to use a remote sampling device.