

**Department of Environmental Protection
Town+Gown Request for Proposals under the Consortium Contract
Bureau of Water Supply Wastewater Treatment Study**

I. General Items

A. Invitation to Submit Proposals in Response. The New York City Department of Environmental Protection (“DEP”), invites the Consultants under the Town+Gown (“T+G”) Master Academic Consortium Contract (the “Consortium Contract”), to submit Proposals in Response for the Bureau of Water Supply Wastewater Treatment Study (“T+G RFP”), pursuant to the terms and provisions of the Consortium Contract and this T+G RFP. All capitalized terms used herein, but not defined in this T+G RFP, have the meanings assigned to them in the Consortium Contract.

B. Due Date for Receipt of Proposals in Response. Consultants shall submit their Proposals in Response ONLY via email, no later than **5:00 P.M., February 1, 2019**, to Joseph Vaicels, Deputy Agency Chief Contracting Officer at DEP, at JVaicels@dep.nyc.gov. Please note that there is a 5 MB file size limit. If a Consultant chooses not to submit a Proposal in Response, such Consultant shall submit a No Bid Response form (which is attached to this document as Attachment A for the purpose of convenience and is downloadable from the T+G website at (<http://www1.nyc.gov/site/ddc/about/town-gown-advisory-council.page>) no later than **5:00 P.M., February 1, 2019**, to Joseph Vaicels, Deputy Agency Chief Contracting Officer at DEP, at JVaicels@dep.nyc.gov.

C. Inquiries and Requests from Consultants for Clarification or Explanation. If a Consultant wishes to make an inquiry or request a clarification or explanation with respect to this T+G RFP, such Consultant must make such inquiry or request in writing sent via email ONLY to Joseph Vaicels, Deputy Agency Chief Contracting Officer at DEP, at JVaicels@dep.nyc.gov, no later than **5:00 P.M., January 18, 2019**. In the event DEP determines that it is necessary to respond to such inquiry or request in writing, such response will be furnished as an addendum to this T+G RFP (an “Addendum”) and will be sent to all Consultants as described below. If DEP deems it necessary, it may arrange a meeting or conference call with all interested parties prior to the submission date to address questions or concerns.

D. Addenda to T+G RFP. If DEP determines that it is necessary to respond to an inquiry or request for clarification or explanation from a single or several Consultants in writing, such writing will be in the form of an Addendum to this T+G RFP, which will become part of the requirements for this T+G RFP, and sent by T+G/DDC to all Consultants to which this T+G RFP was issued. In addition, it will be necessary for such Consultants to acknowledge receipt of an Addendum to this T+G RFP by attaching an original signed copy of the Addendum to its Proposal in Response.

E. The Name and Contact Information of the City Agency Procurement Process Contact. All Proposals in Response, Inquiries or Requests for Clarification or Explanation, and receipts of any Addenda, shall be sent ONLY via email to:

Joseph Vaicels

Deputy Agency Chief Contracting Officer, New York City Department of Environmental Protection
JVaicels@dep.nyc.gov

II. Scope of Work

A. General Research Project Description. DEP administers a comprehensive program to protect the quality of its water supply source waters. This program is governed by a Filtration Avoidance Determination (“FAD”), which was issued by the New York State Department of Health, and sets forth certain requirements for program implementation. When DEP negotiated the initial FAD in the early 1990s, DEP’s regulatory agencies had concerns about the number of wastewater treatment plants (“WWTPs”) with surface discharges into the watershed of the New York City water supply (the “Watershed”). To address those concerns, DEP was required to add a provision to New York City’s Watershed Rules and Regulations (“WRR”) that required all surface-discharging WWTPs to provide tertiary treatment to minimize the risk of introducing pathogens into source waters. Since that time, nearly all of the WWTPs in the Watershed have been upgraded to include sand filtration, disinfection, phosphorus removal, and microfiltration, or a DEP-approved equivalent technology to microfiltration. Currently, membrane bioreactors (“MBRs”), two-stage continuous backwash, and upflow dual sand filters (Parkson D2 CBUDS) are DEP-approved equivalent technologies to microfiltration. DEP pays for all of the equipment needed to meet the requirements of the WRRs that are stricter than New York State standards, as well as an operation and maintenance (“O&M”) increment for each of the non-New York City WWTPs, and all costs at the six (6) New York City owned WWTPs. From 1997 to the present, the capital cost of the implementation of all equipment needed to meet the requirements of the WRRs exceeded \$470,000,000. DEP’s annual O&M expenditures for the non-New York City owned WWTPs is more than \$15,000,000. With dozens of WWTPs approaching the time for equipment replacements, DEP has an opportunity to reconsider technology decisions that were made 25 years ago in an effort to protect water quality and reduce costs by evaluating alternative treatment technologies that provide the same level of public health protection, or by implementing more cost-effective technologies. Accordingly, expert panel workshops and a report is needed to assist DEP in exploring these options while continuing to meet watershed regulatory requirements. A full list and description of Watershed WWTPs is included as Attachment C.

B. Research Project Objectives. The objectives of the Research Project are to:

1. Identify technological improvements in wastewater technology that have occurred since WWTPs in the Watershed were upgraded in the 1990s, with an emphasis on those that would assist DEP in reducing capital replacement and operational costs while reducing greenhouse gas production and energy use.
2. Identify specific treatment modifications (e.g., elimination of microfiltration) that would allow DEP to reduce costs without reducing the level of treatment achieved for pathogens and other contaminants of concern, as outlined in the State Pollutant Discharge Elimination System (“SPDES”) permit for each WWTP (see Attachment C for the relevant SPDES permits). The required pathogen log removal and/or inactivation rates are 3 log (99.9%) for *Giardia lamblia* cysts and 4 log (99.99%)

for enteric virus with suggested filter flux (loading) rates of 23.3 gallons per square foot of membrane per day for microfiltration and 3.36 gallons per minute per square foot of filter surface area for Parkson D2 CBUDS. Treatment modification could address flux, provided pathogen log removal requirements are met.

C. Tasks.

1. Project Management

The Consultant shall perform project management work throughout the entire period of the Research Project. The Consultant shall coordinate with, and assist DEP in whatever actions are necessary to advance the overall work and its individual tasks. The Consultant shall also prepare a project management plan and schedule that includes progress meetings/calls, preparation of associated monthly progress reports, and the facilitation of internal meetings. The Consultant shall also prepare meeting agendas, materials, presentations, and summaries for monthly status calls or meetings.

Deliverables:

- Project management plan and schedule; and
- Meeting agendas, materials, presentations, and summaries for monthly status calls or meetings.

2. Technology Review and Report

Conduct a technology review focused on improvements in wastewater technology that are applicable to both New York City and non-New York City WWTP operations in the Watershed. This should include identifying specific treatment modifications (e.g., elimination of microfiltration) that would allow DEP to reduce costs without reducing the level of treatment achieved for pathogens and other contaminants of concern, as required by the applicable SPDES permits. Improvements to current Watershed WWTP treatment technologies (see Attachment C) must be included. The required pathogen log removal and/or inactivation rates are 3 log (99.9%) for *Giardia lamblia* cysts and 4 log (99.99%) for enteric virus with suggested filter flux (loading) rates of 23.3 gallons per square foot of membrane per day for microfiltration and 3.36 gallons per minute per square foot of filter surface area for Parkson D2 CBUDS. Treatment modification could address flux, provided pathogen log removal requirements are met.

Deliverables:

- Summary report of Technology Review; and
- Presentation for discussion at the first expert panel workshop.

3. Expert Panel Workshop #1

The Consultant will conduct and coordinate a full-day expert panel workshop, which will include staff from DEP, the Consultant, and industry experts.

The Consultant will present the results of the Technology Review conducted in Task 2. The Consultant will also solicit additional ideas for evaluations to be conducted, in addition to those already outlined in Task 4. Finally, the content and format of the Final Report will be discussed.

Deliverable:

- Full-day expert panel workshop

4. Evaluations

Calculate the life-cycle cost (capital, operational, chemical, electricity, etc.) for a small (less than 50,000 gallons/day), medium (50,000 to 500,000 gallons/day) and large (greater than 500,000 gallons/day) WWTP for each of the treatment technologies (D2 CBUDS, microfiltration, and MBR) that are currently being operated in the Watershed. The calculation should cover a 25-year period.

Evaluate whether the level of treatment provided by the technologies identified in Task 2 would be less than, equal to, or greater than the level of treatment for the relevant pathogens and other contaminants of concern that is currently being provided for each of the six (6) New York City owned WWTPs. The evaluation must include, but is not limited to, the following:

- Current Dynasand D2 CBUDS converted to D2 IBUDS (intermittent backwash)
- Current Dynasand D2 CBUDS converted to IBUDS (intermittent backwash, without second stage of treatment)
- Whether latest improvements to upflow dual sand filters would allow DEP to eliminate the second stage on new D2 CBUDS
- Conversion of existing equipment (e.g., sand filters) to CBUDS
- Current sand filter optimization (e.g., different media, different coagulants, addition of flocc tank, etc.)
- Elimination of microfiltration with the addition of UV disinfection
- Replacement of CBUDS and microfiltration with MBR
- Additional evaluations as identified in the Expert Panel Workshop #1

Deliverables:

- Summary report of evaluations; and
- Presentation for discussion at the second expert panel workshop.

5. Expert Panel Workshop #2

The Consultant will conduct and coordinate a full-day expert panel workshop, which will include staff from DEP, the Consultant, and industry experts.

The Consultant will present the results of the evaluations (Task 4) and finalize the content of the Final Report.

Deliverable:

- Full-day expert panel workshop

6. Final Report

The Consultant must use all results and analysis from the Tasks above to prepare a Final Report that includes recommendations for treatment changes, capital upgrades, plant retrofits and/or technology changes for all six (6) New York City-owned WWTPs and the non-New York City owned

WWTPs in the Watershed. The Final Report must summarize the current state of applicable wastewater technology and rank the current wastewater technologies in terms of treatment effectiveness, cost effectiveness, and greenhouse gas production, while considering the feasibility of implementation of the technology at the WWTP.

Deliverable:

- Final Report with at least one opportunity for DEP to review and comment.

III. Format and Contents of the Proposal in Response

The Proposal in Response must be in a form that conforms to Appendix C to the Consortium Contract, which template form is attached to this document as Attachment B for the purpose of convenience. That template form is also downloadable from the Town+Gown website at <http://www1.nyc.gov/site/ddc/about/town-gown-advisory-council.page>. The Consultants shall not make changes to the Proposal in Response template form since Appendix C anticipates the accepted Proposal in Response will form the basis of the Task Order.

IV. Evaluation Criteria and Evaluation Procedures

A. Criteria. The Proposals in Response will be evaluated on the basis of the criteria set forth below:

<i>Criteria</i>	<i>Weight</i>	<i>Explanation</i>
<i>Experience</i>	30%	Background and experience with respect to the disciplines and issues covered in the Research Project. This should include familiarity with wastewater treatment technology and the SPDES program.
<i>Organizational Capability</i>	20%	Organizational capability and the clear definition of roles and duties of the members of the Academic Team, as well as clear lines of communication among them, particularly with regard to interdisciplinary and practitioner input.
<i>Approach and Methodology</i>	40%	Approach to the Research Project and methodologies proposed.
<i>Cost</i>	10%	Cost proposals will be evaluated competitively. Proposals are expected to be in the range of \$40,000 to \$50,000.

B. Basis of Award. DEP will award the Research Project to the responsive and responsible Consultant whose Proposal in Response is determined to be the most advantageous to, and in the best interest of, New York City, taking into consideration all of the criteria and considerations that are set forth in this T+G RFP. Award of the resulting Task Order is subject to successful negotiation of the terms of the Task Order as provided in the Consortium Contract and the New York City Procurement Policy Board Rules.

C. Anticipated Payment Structure. DEP anticipates lump sum payments for all services and deliverables associated with the Task Order resulting from this T+G RFP. DEP and the Consultant will negotiate the exact amount the Consultant will be paid for each deliverable listed in Section II(C) above (Key Tasks). The

Consultant will be paid the agreed upon amount as each deliverable is considered complete by DEP. DEP will consider suggestions by the Consultants for incremental payment milestones within each deliverable. DEP reserves the right to select any alternative payment structure that is in New York City’s best interest.

D. Other Considerations.

1. *Insurance.* If awarded the Task Order resulting from this T+G RFP, the Consultant and all of its subconsultants must not commence performing any services under the resulting Task Order, until all insurance required by this T+G RFP, and the resulting Task Order, is in effect and provided satisfactorily to DEP. The Consultant must ensure uninterrupted and continuous insurance coverage in the manner, form, and limits required by this T+G RFP, and the resulting Task Order, throughout the entire duration of the Task Order.

The Consultant must provide to DEP the insurance as indicated below:

Article 7 – Insurance	
Types of Insurance	Minimum Limits and Special Conditions
<ul style="list-style-type: none"> ■ Workers’ Compensation ■ Disability Benefits Insurance ■ Employers’ Liability 	Statutory amounts
<input type="checkbox"/> Commercial General Liability	\$_____ per occurrence \$_____ personal & advertising injury \$_____ aggregate Additional Insureds: 1. City of New York, including its officials and employees, and 2. _____ 3. _____
<input type="checkbox"/> Commercial Auto Liability	\$_____ per accident combined single limit If vehicles are used for transporting hazardous materials, the Contractor shall provide pollution liability broadened coverage for covered vehicles (endorsement CA 99 48) as well as proof of MCS 90
<input type="checkbox"/> Professional Liability/Errors & Omissions	\$_____ per claim

If awarded the Task Order under this T+G RFP, the Consultant must maintain, and ensure that all of its subcontractors maintain, Workers’ Compensation Insurance, Disability Benefits Insurance, and Employers’ Liability Insurance in accordance with the Laws of New York State on behalf of, or with regard to, all employees providing services under the Task Order resulting from this T+G RFP. All subcontractors to the

Consultant are subject to all of the terms and conditions of the Consortium Contract, including Appendix A. DEP may require subcontractors to obtain certain insurance not required for the Consultant.

2. *Subcontracting.* The Consortium Contract, under which this T+G RFP has been issued, permits Consultants to join with one or more other Consultants to prepare a Proposal in Response (see Section 3.3 (b) of the Consortium Contract), as well as to utilize Subcontractors (as defined in the Consortium Contract) as part of a Proposal in Response (see Sections 3.3(b) and 3.3(e)(8) of the Consortium Contract). Consultants should refer to the Consortium Contract if they wish to consider joint proposals with researchers at other Academic Consortium institutions or include Subcontractors as part of their Proposal in Response. Individual researchers developing Proposals in Response should contact the Gown Advisory Council representative for the respective Academic Consortium institution to obtain a copy of the Consortium Contract, the form of which is also downloadable from the Town+Gown website (<http://www1.nyc.gov/site/ddc/about/town-gown-advisory-council.page>). Please note that Consultants wishing to subcontract with a Subcontractor as part of its Proposal in Response must disclose its intention to use the services of a Subcontractor in its Proposal in Response as provided in Section 3.3(e)(8) of the Consortium Contract and Appendix C to the Consortium Contract. Please see Section 3.02 in Appendix A to the Consortium Contract for the relevant provisions governing subcontracting.

Form of No Bid Response

NO BID RESPONSE

SUBMIT BY RFP RESPONSE DUE DATE

RFP NAME	REQUESTOR	PROPOSAL IN RESPONSE DUE DATE

To: [Requestor Agency]
 Secretary, Gown Advisory Council
 Town+Gown/DDC, as Master Contract Administrator

This is to certify that _____, a Consultant academic institution under the city-wide Town+Gown Master Academic Consortium Contract, will not be submitting a Proposal in Response to the above referenced solicitation document prepared by the listed Requestor.

REASON(S) FOR NO SUBMISSION:

UNAVAILABILITY OF REQUIRED RESOURCES

PRIOR COMMITMENTS

INADEQUATE ANTICIPATED FUNDING LEVEL

PROJECT DURATION

POTENTIAL CONFLICT OF INTEREST

DUPLICATION OF ONGOING EFFORT

OTHER (PLEASE EXPLAIN)

AUTHORIZED REPRESENTATIVE:

NAME: _____

TITLE: _____

SIGNATURE: _____

DATE: ___/___/20__

Form of Proposal in Response Template with Instructions Memo



Template for Town+Gown Proposal in Response

As of June 2018

To: Researchers at Academic Consortium Institutions

From: Terri Matthews, Director, Town+Gown @ New York City Department of Design and Construction (DDC)

Re: Instructions for Use of Town+Gown Proposal in Response Template Form

If you are a researcher at one of the 15 academic institutions listed below that comprise the consortium (vendor) pool (the **Academic Consortium**) and are contemplating responding or responding to a Town+Gown RFP released to your Academic Consortium institution pursuant to Town+Gown/DDC's city-wide Town+Gown Master Academic Consortium Contract, for which Town+Gown/DDC acts as administrator (the **Consortium Contract**), you should use the following template form of the Town+Gown Proposal in Response for your Research Project proposal. All defined terms used but not defined have the meanings given them by the Consortium Contract.

- Brooklyn Law School
- City University of New York
- Columbia University
- Cornell University
- Drexel University
- Fordham University
- Manhattan College
- New York Institute of Technology
- New York University
- Pace University
- Pratt Institute
- State University of New York
- The Cooper Union
- The New School
- Tufts University

What follows is the template form of the Town+Gown Proposal in Response under the Consortium Contract, which contains instructions after the **IMPORTANT NOTE!** icon. These instructions should be removed in the Town+Gown Proposal in Response you submit to the Requestor.

This memo and template form, which is downloadable at the Town+Gown website (<http://www1.nyc.gov/site/ddc/about/town-gown-advisory-council.page>), is intended to provide all of the information you need to prepare a Town+Gown Proposal in Response to a Town+Gown RFP you have received. If you have any questions about the Town+Gown RFP to which you are responding or if you have any questions related to this template Town+Gown Proposal in Response form, please contact the Requestor's procurement contact listed in the Town+Gown RFP. If you have questions related to the Consortium Contract, please contact your institution's Academic Consortium representative, who should be the first person who initially disseminated the Town+Gown RFP you are considering at your institution. See also the Gown Advisory Council section of the Town+Gown website (<http://www1.nyc.gov/site/ddc/about/town-gown-advisory-council.page>). The **IMPORTANT NOTE!** icon instructions should be removed in the Proposal in Response you submit to the Requestor.

In general, please be aware of the following issues, which are also noted as an **IMPORTANT NOTE!** icon in the following template.

- You must not change the form of the Town+Gown Proposal in Response template. The Proposal in Response accepted by the Requestor will form the basis of the Task Order, and it is important that this template *form* be unchanged. The Proposal in Response and the resulting Task Order must be in the form of Appendix C to the Master Contract to which the template form Task Order conforms. Appendix C is a combined Proposal in Response and Task Order form, which Town+Gown/DDC has turned into separate forms available at the Gown Advisory Council section of the Town+Gown website (<http://www1.nyc.gov/site/ddc/about/town-gown-advisory-council.page>).
- This is a Proposal in Response to a New York City procurement, not a grant program. The terms of the Proposal in Response that the Requestor selects for an award become the terms of the resulting Task Order, subject to further negotiation only as permitted by the city's Procurement Policy Board rules.
- You will need to insert the FMS registration number for your institution's Consortium Contract from the chart below:

Vendor	MMA1
Brooklyn Law School	20156201502
The Cooper Union	20166200107
Drexel University	20156201606
Fordham University	20146201444
Manhattan College	20146201441

The New School	20166200106
New York Institute of Technology	20146201445
Pratt Institute	20156201501
Tufts University	20156201503
State University of New York	20166200091
New York University	20146201446
Pace University	20146201443
City University of New York	20146201442
Trustees of Columbia University	20176200751
Cornell University	20176200781

[Consultant logo/letterhead here]

**Proposal in Response to [Name of Town+Gown RFP]
under the Consortium Contract**

*** IMPORTANT NOTE! *** CONSULTANTS MUST NOT CHANGE THE FORM OF THE PROPOSAL IN RESPONSE. The Proposal in Response accepted by the Requestor will form the basis of the Task Order, and it is important that this template form be unchanged. If you have questions, please contact the Requestor contact on the Town+Gown RFP or your institution's Gown Advisory Council representative.

*** IMPORTANT NOTE! *** This Proposal in Response form is related to a public procurement and not a grant program, and the terms of the Proposal in Response that the Requestor selects for an award become the terms of the resulting Task Order, subject to further negotiation only as permitted by the Consortium Contract and the City's Procurement Policy Board rules.

Prepared by [Consultant Name]
[Date]

Article 1. Agreement. This Proposal in Response has been prepared and submitted pursuant to the provisions of the Town+Gown Master Academic Consortium Contract, by and between [*** IMPORTANT NOTE! *** Insert your institution's name) (the Consultant), and the New York City Department of Design and Construction, registered with the Comptroller's Office [*** IMPORTANT NOTE! *** Insert registration number for Consortium Contract for your institution from chart on preceding memo] (the Consortium Contract). All capitalized terms used, but not defined, herein shall have the meanings ascribed to them in Article 1 of the Consortium Contract.

If this Proposal in Response is accepted by the Requestor, the awarded Research Project will be governed by a Task Order, negotiated and executed, pursuant to Section 3.4 of the Consortium Contract and the PPB rules, by the Consultant and the Requestor, which Task Order will define the contractual relationship between the Consultant (to become the Academic Partner) and the Requestor (to become the Practitioner Partner) for the duration of the Research Project. The provision of services under the Task Order will be further governed by the terms and conditions of the Consortium Contract, including but not limited to those in the Town+Gown RFP, complying with the provisions of Section 3.2 of the Consortium Contract, and those in the Consortium Contract as required and provided therein.

If this Proposal in Response is accepted by the Requestor, the Consultant agrees to accomplish the Project for which a Task Order will be executed and registered, on time and within budget. The nature of academic research requires some flexibility in the timing of performance, with unforeseeable obstacles and delays. Section 4.03(a) of the PPB Rules is analogous to the National Science Foundation's practice with respect to delays in academic research and is available as a method of providing extensions of time on Task Orders for performance due to the typical delays in academic research. The Academic Partner shall not perform services under the Consortium Contract until a Task Order has been executed and registered with the Comptroller.

Article 2. Proposal in Response to Town+Gown RFP.

*** IMPORTANT NOTE! *** Subject to the requirements of the Consortium Contract and the Town+Gown RFP issued by the Requestor, this Proposal in Response shall be organized in a manner so as to provide the types of

information as described below. Due to the standard of evaluation set forth in Section 4.3 of the Consortium Contract with respect to payment and the certification in Section 4.2 of this Proposal in Response, which will be repeated in the related Task Order, it is especially important that the Consultant be as detailed, as specific and as clear as possible with respect to the elements set forth below. After an award is made based on a particular Town+Gown RFP, these Article 2 elements of the Town+Gown RFP become the Academic Practitioner's obligations under the resulting Task Order.

2.1 Research Project Objectives

*** IMPORTANT NOTE! *** Describe the overall objectives and goals.

*** IMPORTANT NOTE! *** Describe the scope, listing and describing the research approaches, work to be performed and the phases of the work.

*** IMPORTANT NOTE! *** Describe the nature of the collaboration between staffs of the Requestor, as practitioner, and the Consultant, identifying the elements of practitioner experience that would be useful for the research, as well as any other research needs with which the Requestor could provide assistance.

2.2. Work Products and Deliverables

Describe the anticipated work products and deliverables for the Research Project, including interim reports if appropriate, with a sufficient level of detail, including the form and the nature of the content.

2.3. Project Plan and Estimated Duration of Project, including Schedule

*** IMPORTANT NOTE! *** Describe the plan for the Research Project, assigning time values for elements of the scope as a schedule for the Project. City agencies must use expense funds in the City fiscal year they are appropriated; they are not permitted to roll unexpended expense funds into the following City fiscal year, but must appropriate expense funds anew in each succeeding City fiscal year. Thus, for Research Project funded with City tax levy funds, it is important to demonstrate an alignment between the proposed schedule in the Project Plan and the Requestor's expressed expectation for the Project duration in the Town+Gown RFP. Payment requisitions pursuant to Article 4 of the Consortium Contract require, among other things, a status report to indicate the relation of the payment requisition to the Project Plan.

2.4. Project Staffing and Organization.

*** IMPORTANT NOTE! *** List the members of the Academic Team, the costs of whose work will be estimated in the chart in Section 2.5 below, and provide an organizational chart showing the Academic Team's organization for the Project.

*** IMPORTANT NOTE! *** One of the elements of Town+Gown's Organizational Character is supporting academic-practitioner collaborations by highlighting the importance of practice as a source of knowledge, with Academics and Practitioners as equal partners in knowledge creation. Thus, it is important to describe how the Academic Team members will interact with the Requestor's staff and other entities, including a narrative describing the organization and interactions as they

support the nature of the academic-practitioner collaboration in Section 2.1 above which will become part of the Project Plan. In such Project Plan, it will be important to anticipate how the Academic Partner will work with the Practitioner Partner on a Research Project as the equivalent of a peer reviewer on any Task Order-generated work product as contemplated by Section 6.01 of Appendix A.

IMPORTANT NOTE! The Consultant will estimate costs associated with the Academic Team pursuant to the provisions of Section 3.3 (d) and (e) of the Consortium Contract and show them on the chart in Section 2.5 below. The Consultant shall include a curriculum vitae or resume of no more than three (3) pages for each Senior Personnel member of the Academic Team, including any Subcontractors.

IMPORTANT NOTE! As provided in Section 3.3 (e) (8) of the Consortium Contract, the Consultant may include, in the Academic Team, entities providing services as Subcontractors. To the extent a Task Order includes the services of Subcontractors, the Consultant shall be responsible for the performance of Subcontract services. For the convenience of reference only, the Consultant should know that subcontracts shall comply with the requirements of Section 2.07, 3.02, 4.07, 7.03, 7.08, 7.09 and 13.06 of Appendix A. Further, expenses incurred by the Consultant in connection with furnishing Subcontractors for the performance of required services under a Task Order are deemed included in the payments to the Consultant as set forth in Article 4 of this Consortium Contract. While the Consultant may pay its Subcontractors first and then seek reimbursement pursuant to the applicable provisions of this Consortium Contract, in the event the Consultant does not pay its Subcontractors prior to seeking reimbursement, the Consultant shall pay its Subcontractors the full amount due them from their proportionate share of the requisition, as paid by the City. The Consultant shall make such payment not later than five Days after receipt of payment by the City.

2.5. Proposed Project Budget and Not to Exceed Amount

IMPORTANT NOTE! Using this chart as a template, provide a proposed Project budget, estimating the costs of each component of the Project as provided in Section 3.3(e) of this Consortium Contract, and providing any require additional justification. Please provide a copy of an effective negotiated indirect cost rate with federal agency bound by the provisions of OMB Circular A-21 or a proposed indirect cost calculation methodology pursuant to Section 3.3(e)(xi) of the Consortium Contract.

Principal Investigator/Project Director:				
Headings under Section 3.3 (e)	[columns for calculations]			Costs

<u>Not to Exceed Amount</u>				\$_____.

Article 3. Consultant’s Billing and Invoicing.

*** IMPORTANT NOTE! *** The general requirements of the Consortium Contract, including Article 4, and any specific requirements of the Town+Gown RFP will govern the billing and invoicing process from the Requestor’s perspective.

*** IMPORTANT NOTE! *** The Consultant should list the personnel responsible for billing and invoicing functions at the Consultant organization and related contact information.

Article 4. Representations and Warranties.

4.1. Accuracy and Completeness of Statements. The Consultant certifies that statements, representations and warranties contained in the Proposal in Response and the Consortium Contract, including Appendix A thereto, were true and complete as of the date they were made and are true and complete as of the date of this Proposal in Response.

*** IMPORTANT NOTE! *** For convenience of reference only, the Consultants should know that Sections 2.01 (procurement of contract/task orders), 2.03 (fair practices), 2.04 (VENDEX, now Passport), 2.07 (unlawful discriminatory practices), 3.02 (e) (subcontractor performance); 4.01 (independent contractor status), 4.02 (employees), 4.07 (E.O. 50), 6.01 (copyrights) and 7.08 (insurance certificate) contain specific representations and warranties.

4.2. The Project. The Consultant certifies that all elements of the work and costs necessary to perform the Project in a professional and competent manner according to the standards of the relevant field(s) and/or discipline(s), and to meet the requirements set forth in the Town+Gown RFP and in Section 4.3 of the Consortium Contract have been included in this Proposal in Response.

4.3. Academic Team Members. The Consultant represents and warrants that the members of the Academic Team possess the experience, knowledge and character necessary to qualify them individually for the particular services they will perform on the Project in a professional and competent manner pursuant to Section 4.3 of the Consortium Contract.

The submission of curriculum vitae and resumes for the Senior Personnel members of the Academic Team, whether they are the Consultant’s direct employees or Subcontractors, with the Proposal in Response, implies that such individuals will be available to perform the services on the Project. For the Consultant who is awarded the Task Order, it is expected that such members of the Academic Team will perform the services under the Task Order; provided, however, that such Consultant may replace members of the Academic Team on the Project during the term of the Task Order with personnel who possess qualifications substantially similar to those being replaced, with prior notice to the Practitioner Partner.

To the extent the Requestor believes a member of the Academic Team is unable to perform services in a professional and competent manner according to the standards of the relevant field(s) and/or discipline(s), it shall have the right to raise such concerns with the Consultant so that both parties have the opportunity to resolve such concerns in good faith, subject to the provisions of Section 10.02 of Appendix A.

4.4. Agreement to Comply with Terms of Task Order. The Consultant agrees to comply with the terms and conditions of the Task Order and the Consortium Contract under which it was issued.

4.5. Conflicts of Interest—Gown. The Consultant certifies that it has implemented and is enforcing a written policy on conflicts of interest, consistent with the provisions of the National Science Foundation’s AAG Chapter IV.A.; further, that, to the best of the undersigned Authorized Party’s knowledge, all financial disclosures required by the conflict of interest policy were made; and that conflicts of interest, if any, were, or prior to the institution's expenditure of any funds under the award, will be, satisfactorily managed, reduced or eliminated in accordance with the Consultant’s conflict of interest policy.

4.6. Training and Oversight. To the extent the Academic Team includes any postdoctoral researchers, graduate students or undergraduate students, the Consultant certifies that it has a plan to provide appropriate training and oversight in the responsible and ethical conduct of research to undergraduates, graduate students, and postdoctoral researchers.

4.7. Affirmation. The Consultant affirms and declares that it is [ Insert description of status under State corporation law and federal income tax law], and, further, that it is not in arrears to the City upon debt, contract or taxes, it is not a defaulter, as surety or otherwise, upon obligation to the City, it has not been declared “not responsible” or disqualified, by any agency of the City, and that, to its knowledge, there is no proceeding pending relating to its responsibility or qualification to receive public contract except as indicated in the space below:

Article 5. Task Order Execution. Execution of a resulting Task Order by the Requestor shall be evidence of its approval of the following items, as explicitly noted above in this Proposal in Response:

- (1) subcontractors pursuant to Sections 3.3 (b) and (e)(8) of the Consortium Contract, subject to final compliance with PPB Rule requirements and Sections 2.07, 3.02 and 4.07 of Appendix A,
- (2) compensation beyond three months and/or utilizing a percentage equivalent of academic contract effort pursuant to Section 3.3(e)(1) of the Consortium Contract,
- (3) treating components of an Academic Partner’s facilities and administration as a direct cost pursuant to Section 3.3 (e)(2) of the Consortium Contract,

(4) the purchase of equipment and post-Project ownership of such equipment pursuant to Section 3.3 (e)(6) of the Consortium Contract,

(5) the incurrence of expenses related to long-distance travel pursuant to Section 3.3 (e)(7) of the Consortium Contract, to be reimbursed, in the case of City Agency Requestors, pursuant to the provisions of Article 4 of the Consortium Contract,

(6) the incurrence of expenses related to computer services pursuant to Section 3.3 (e)(9) of the Consortium Contract, and

(7) the application of the formula to determine indirect costs pursuant to Section 3.3(e)(10) of the Consortium Contract.

Article 6. Relation of Task Order to Consortium Contract.

6.1 Task Order Incorporates Terms of Consortium Contract. If the Requestor accepts this Proposal in Response, the resulting Task Order shall be deemed to incorporate all the terms and conditions of the Consortium Contract, including Appendix A thereto, even if such terms and conditions are not expressly reiterated in the Task Order.

6.2 Task Order Not an Amendment of Consortium Contract. Neither a Proposal in Response nor a Task Order may alter the terms and conditions of the Consortium Contract. The terms and conditions of the Consortium Contract Agreement can only be modified by the parties in an amendment pursuant to Section 6.4 of the Consortium Contract, and any provision of a Task Order that would have the effect of amending a term or condition of the Consortium Contract shall be null and void.

Any amendments, changes or modifications of this Task Order must comply with the provisions of Section 9.01 of Appendix A.

6.3 Conflict between Task Order and Consortium Contract. In the event of any conflict between any provision in a resulting Task Order and any provision of the Consortium Contract, including Appendix A thereto, the provision in the Consortium Contract shall control.

SUBMITTED BY:

By: _____

Name: _____

Title: _____

Date: _____

NYC Watershed Wastewater Treatment Plant Inventory

Key: NYC DEP Owned
 Non-NYC owned, East of Hudson
 Non-NYC owned, West of Hudson

3D Maps Tours

This workbook has 3D Maps tours available.

Plant Name	Location	Receiving Stream (Classification)	Treatment Type	Description	Ownership	Lat	Long	SPDES
Mahopac (NYCDEP)	East of Hudson	Mud Pond Brook A(T)	MF	Mahopac WWTP Provides "QUARTENARY" treatment via RBC, granular filtration, conventional microfiltration, UV disinfection. Collections maintained/controlled by Town of Carmel.	NYC	41.379126	-73.723991	NY0026590
Grahamsville (NYCDEP)	West of Hudson	Chestnut Creek (A(T))	MF	Grahamsville WWTP Provides "QUARTENARY" treatment via RBC, granular filtration, conventional microfiltration, UV disinfection.	NYC	41.844207	-74.54132	NY0026549
Margaretville (NYCDEP)	West of Hudson	Delaware River-E Br (A(T))	MF	Margaretville WWTP Provides "QUARTENARY" treatment via RBC, granular filtration, conventional microfiltration, UV disinfection.	NYC	42.139332	-74.653843	NY0026531
Pine Hill (NYCDEP)	West of Hudson	Birch Creek (B(T))	MF	Pine Hill WWTP Provides "QUARTENARY" treatment via RBC, granular filtration, conventional microfiltration, UV disinfection.	NYC	42.121646	-74.462789	NY0026557
Port Jervis (NYCDEP)	West of Hudson	Neversink River (B)	SECONDARY	Port Jervis WWTP Provides secondary treatment via Trickling filters to domestic with commercial and industrial waste. Disinfection by hypochlorite. Collections by City of PJ. Upgrade in bid to nutrient removal and UV in bid stage.	NYC	41.362175	-74.682211	NY0026522
Tannersville	West of Hudson	Gooseberry Creek (C(TS))	MF	Tannersville WWTP Provides "QUARTENARY" treatment via RBC, granular filtration, conventional microfiltration, UV disinfection.	NYC	42.186783	-74.151319	NY0026573
Bedford Hills Correctional Facility	East of Hudson	Broad Brook (D)	MF	Bedford Hills Correctional Facility, beginning 2/03, is a UV disinfection facility. Samples are taken at the step aerator at the rear of the filter building. Prior to then samples were taken at effluent pipe at Broad Brook. Chlorine sample is taken from chlorine contact tank. Plant is located near Harris Road, off Saw Mill Parkway.	Non-NYC	41.242699	-73.676742	NY0101885
BEDFORD HILLS ELDERLY HOUSING	East of Hudson	St. Mary's Lake Brook (D)	Not upgraded. May be decommissioned and sent to Bedford	Bedford Hills Elderly Housing, formerly Bedford Lake, taken at the aeration tank effluent. The plant is located in the Town of Bedford, Westchester County, on Haines Road about ¼ mile west of the Saw Mill Parkway.	Non-NYC	41.236456	-73.709012	NY0214540
Bedford Park Apartments at Westchester	East of Hudson	Broad Brook Trib (D)	Buried Sand Filter	Bedford Park Apartments, taken from manhole where effluent from the highest pipe mixes with drainage water. Bedford Park Apartments is located at Rome and Italy Avenues, Bedford Hills, NY. Sampling Point 1, located immediately before the filtering system. Sampling Point 4, located immediately after the filtering system.	Non-NYC	41.237598	-73.685674	NY0033596
Thunder Ridge Ski Area	East of Hudson	Stephen's Brook (D)	Buried Sand Filter	Big Birch Ski Area, taken from sampling well near ski instruction sign. Big Birch Ski Area is on Old Rt. 22, off of Rt. 22, south of Rt. 311, Town of Patterson, Putnam County.	Non-NYC	41.508247	-73.582231	NY0095982
Blackberry Hill Sanitary SD	East of Hudson	Tonetta Brook Trib (D)	MF	Blackberry Hill WTP, beginning 9/16/09, is a UV disinfection facility. Samples taken at the UV effluent. From 6/05-9/09, samples were taken at the dechlorination tank. Chlorine samples are taken at the end of the chlorine contact tank. Prior to then samples were taken at effluent pipe at tributary to Tonetta Brook. Plant is located on Scott Place off of North Brewster Road.	Non-NYC	41.410894	-73.612672	NY0062570
Brewster High School (Brewster CSD)	East of Hudson	Ice Pond Trib NDX (C,D)	MF	Brewster Central Schools, effective 4/15/08, a dechlorinated sample is taken from the post aeration tank. A chlorinated sample is taken at the effluent end of the chlorine contact tank. Prior to then sample taken at final parshall flume, located on the north side of the plant under a round white cover. This plant replaces the Brewster High School, John F. Kennedy Elementary School, and H. Wells Middle School facilities. Plant is located on Farm to Market Road, one mile north of Rt. 312, Town of Southeast.	Non-NYC	41.444492	-73.603772	NY0029521
Brewster Heights SD #1	East of Hudson	Tonetta Brook Trib (D)	MF	Brewster Heights STP, sample taken from the post-aeration tank weir. Plant is located on Putnam Avenue, Brewster, NY.	Non-NYC	41.403673	-73.62188	NY0110353

Brewster	East of Hudson	Tonetta Brook (A)	MF	Brewster Secondary Treatment Plant, located on Park Street, Brewster, NY in the Town of Southeast. Samples are taken from the final discharge weir, located at the final tank just south of the RBC units.	Non-NYC	41.392765	-73.617644	NY0026581
Bridleside	East of Hudson		AS	Bridleside WWTP, taken from the final effluent take. Catch sample as it is going down the pipe.	Non-NYC	41.360064	-73.600422	NY0274763
CAMP LUDINGTON	East of Hudson	Lake Hecksher (B)	MF	Camp Ludington, beginning 7/11/07, is a UV disinfection facility. Samples are taken from a tap inside the plant. Prior to then samples were taken from final wet well. Location: Rt. 52 to Pecksville. Turn right onto Stormville Mountain Road. Proceed two miles to Mountain Top Road. Turn right (over I-84), then turn left to Camp Ludington for one mile on dirt road (Paine Road).	Non-NYC	41.549291	-73.688774	NY0102181
Carmel Sewer District #2	East of Hudson	Michaels Brook (B)	MF	Carmel Secondary Treatment Plant is located on Old Rt. 6 adjacent to Putnam Plaza. Beginning in 2/09, the facility is a UV disinfection facility. Samples are taken at final weir.	Non-NYC	41.416858	-73.670295	NY0031356
CLEAR POOL CAMP	East of Hudson		MBR	Clear Pool Camp, beginning June 2005, is a UV disinfection facility. Beginning 11/08 sample taken from sample tap inside the process building. Prior to then sample taken from outfall pipe 100 yards from the chlorine building. Camp located on Clear Pool Road off of East Boyds Lake Road and Rt. 301.	Non-NYC	41.454293	-73.734276	NY0098621
Country Manor (Carmel Sewer District #7)	East of Hudson	Plum Brook Trib (D)	MF	Country Manor Estates, beginning 1/05 sample is taken from the chlorine detention tank effluent. Prior to then sample taken from effluent pipe. Chlorine sample is taken from chlorine contact tank inside of the building. Location: Rt. 6 to Bucks Hollow Road to Aster Drive to Dahlia Drive.	Non-NYC	41.355031	-73.737826	NY0029017
Fox Run Condominiums	East of Hudson	Croton River Mid Br Subtr (D)	MBR	Fox Run, beginning 10/10, is a UV disinfection facility. Sample taken from final aeration tank outside to the left of the new building. Prior to then sample taken from weir in contact tank. Located on Bullet Hole Road off Fair Street.	Non-NYC	41.458392	-73.638473	NY0037362
GEORGE FISCHER MIDDLE SCHOOL	East of Hudson	Croton River Mid Br (C(T))	MF	George Fischer Middle School, beginning 3/16/10, is a UV disinfection facility. Samples taken at the UV effluent, inside the filtration building. Prior to then samples were taken from a deep wet well located behind the school. A small wooden shed is covering the wet well. The school is located on Fair Street, Town of Carmel, Putnam County.	Non-NYC	41.438994	-73.653773	NY0149349
HCITP	East of Hudson	Broad Brook Trib (D)	MBR	Fox Lane Middle School prior to 12/14/2015 was known as Bedford Middle School, beginning 11/29/10, is a UV disinfection facility. Samples taken at the UV effluent. Prior to then samples were taken at effluent pipe at pond on Fox Lane, off Rt. 172.	Non-NYC	41.191995	-73.675674	NY0105741
HERITAGE HILLS	East of Hudson		MF	Heritage Hills, beginning 5/07, is a UV disinfection facility. Samples are taken from final weir at the post-aeration tank. Prior to then and for emergency purposes chlorine samples are taken from chlorine contact tank. Located off Rt. 202, Somers.	Non-NYC	41.330389	-73.691678	NY0026891
Independent Sewage Works (Highlands)	East of Hudson	Middle Br Reservoir Trib (C)	MBR	The Highlands, sampled from final wet well. Chlorine samples are taken from the contact tank. Site is located behind Home Depot, off Independence Way, off Rt. 312.	Non-NYC	41.423609	-73.627778	NY0208442
Holly Stream Condominiums	East of Hudson	Holly Stream (C)	MF	Holly Stream Condos, beginning 3/25/10, is a UV disinfection facility. Samples taken at the UV effluent, inside the filtration building. Prior to then samples were taken from effluent pipe. Chlorine sample is taken from chlorine contact tank. Take Rt. 22 south to left on Deans Corner Road to right on Guinea Road to right to Holly Stream Condos.	Non-NYC	41.375094	-73.632873	NY0035254
Hunter WTP	East of Hudson	Schoharie Creek (C(TS))	CBUDSF	Hunter Wastewater Treatment Plant, final effluent from effluent tap	Non-NYC	42.216389	-74.240833	NY0241075
HUNTERS GLEN	East of Hudson	Croton River Mid Br Trib (D)	MF	Hunters Glen, chlorinated sample taken from chlorine detention tank under floor of chlorine pump room; Dechlorinate samples taken under floor of control room. Take Rt. 6 to right on Simpson Road to right on Fair Street. Hunters Glen on right.	Non-NYC	41.430094	-73.646773	NY0165531
Somers Office Building Complex (IBM)	East of Hudson	Brown Brook (D)	MF	IBM-Somers, sample taken at reaeration tank. Plant located off Rt. 100.	Non-NYC	41.320292	-73.685015	NY0165948
Increase Miller Elementary School	East of Hudson	New Todd Brook Trib (C)	MBR	Increase Miller Elementary, beginning in 9/10, is a UV disinfection facility. Sample taken at outfall pipe. Prior to 2005 sample taken at effluent pipe. Chlorine sample is taken from chlorine contact tank. Located at Rt. 138 and Increase Miller Road, Goldens Bridge.	Non-NYC	41.295095	-73.646274	NY0036692
K'hal Adas Kashau	East of Hudson	New Croton Res Trib (B)	New Croton Res Trib	K'Hal Adas Kashau, beginning 1/06, taken at the outfall. Prior to then samples were taken from contact tank. Location: Saw Mill Parkway to Rt. 117, Bedford Hills to Haines Road past Lake Marie.	Non-NYC	41.240398	-73.709875	NY0147249

Katonah Elementary School	East of Hudson	Katonah Brok (C)	Buried Sand Filter	Katonah Elementary School, taken from the outfall pipe leading into Katonah Brook	Non-NYC	41.250003	-73.693101	NY0259861
Kent Manor Condominiums	East of Hudson		MBR	Kent Manor Sewer Corporation, beginning 4/1/2015, taken from the final effluent	Non-NYC	41.448646	-73.678334	NY0207322
Putnam Nursing and Rehabilitation Center	East of Hudson	Croton River Mid Br Trib (D)	MF	Kent Nursing Home, taken from effluent pipe. Chlorine sample is taken from chlorine contact tank. Take Rt. 311 from Rt. 52 to Ludingtonville Road. 2 miles north on Ludingtonville Road, on right side of road.	Non-NYC	41.448058	-73.679174	NY0028924
Carmel Sewer District #4 (Lake Secor)	East of Hudson	Secor Brook (D)	MF	Lake Secor STP, beginning 2/09, is a UV disinfection facility. Samples taken at UV effluent. Prior to then dechlorinated samples were taken from bottom of manhole following chlorine contact tank. Chlorinated sample was taken from flow going into same manhole. Take Rt. 6N to Lake Secor Road on right just past church. Turn right on Lake Shore Drive and right again on Orchard Road.	Non-NYC	41.381794	-73.791278	NY0105252
LINCOLN HALL	East of Hudson	Plum Brook Trib (D)	MBR	Lincoln Hall, beginning 2/09, is a UV disinfection facility. Samples taken from effluent pipe at feeder stream to Plum Brook. Prior to then samples were taken from effluent pipe at feeder stream to Plum Brook and chlorine sample was taken from end of chlorine contact tank. Rt. 202 to Lincoln Hall School.	Non-NYC	41.326495	-73.720676	NY0036994
MAHOPAC VILLAGE CENTER	East of Hudson	Muscoot River Trib (D)	MF	Mahopac Village Center, formerly Putnam Square Shopping Center, beginning 3/23/09 samples taken from sample pump hose in the laboratory/influent room. Prior to then samples were taken at final aeration tank just before effluent pipe. Take Rt. 6 to Miller Road, right to rear of shopping plaza.	Non-NYC	41.347183	-73.753306	NY0090646
Maple Hill Estates	East of Hudson	Plum Brook (C(T))	MF	Maple Hill Estates STP, beginning 1/27/10, is a UV disinfection facility. Samples taken at final manhole by fence behind small building. Prior to then chlorinated sample was taken from chlorine contact tank; Dechlorinated samples were taken from reaeration tank. Located on Union Valley Road off Rt. 6. Turn right off Union Valley Road to Kia Ora Drive (MHE) Mahopac, Putnam County.	Non-NYC	41.348396	-73.735676	NY0148857
Michelle Estates Realty Subdivision	East of Hudson	Cross River Res Trib (C)	MF	Michelle Estates, all samples taken from outfall pipe. Plant is located on Gideon Reynolds Road off of Rt. 121 in Westchester County.	Non-NYC	41.272317	-73.617628	NY0214841
Mount Ebo Associates	East of Hudson	Croton River E Br Trib (D)	MF	Mount Ebo, beginning 1/07 sample is taken from final aeration cascade. Prior to then sample taken at effluent pipe (sampling box). Located at Fieldstone Pond Condos in the Mount Ebo complex off Rt. 22.	Non-NYC	41.437739	-73.57315	NY0148946
NORTH SALEM MIDDLE SCHOOL	East of Hudson	Holly Stream Trib (D)	Decommissioned and sent to Peach Lake	North Salem Middle School, taken at effluent pipe. School is located at Rt. 124 and Hardscrabble	Non-NYC	41.355231	-73.596806	NY0105732
PATTERSON HAMLET	East of Hudson		MF	Patterson Hamlet, sample taken from the final aeration tank outside and behind the Control Building; UV disinfection. Plant is located on Cornwall Hills Road, Route 311, Patterson.	Non-NYC			NY0265080
Peach Lake Sewer District	East of Hudson		MF	Peach Lake Environmental Center, sample taken in the microfiltration building after the UV system. Peach Lake is located on maple ave in the town of Southeast.	Non-NYC	41.371835	-73.581427	NY0274526
Pepsi Co. Somers Office Facility	East of Hudson		AS	Pepsi Co. Somers Office Facility, take entrance off Rt 35. Small brown building. taken from final effluent which is used as cooling water during the day.	Non-NYC	41.275096	-73.706171	NY0145831
Putnam National Golf Club	East of Hudson	King's Pond Trib (B)	MBR	Putnam Country Club, taken at sample port near walkway. Site is located off Long Pond Road, off Rt. 6N. (site name changed from Putnam Country Club on 8/21/2015)	Non-NYC	41.388477	-73.764156	NY0260371
Random Farms Subdivision	East of Hudson		RBC	Random Farms, taken from final tank inside building. Bacti samples are taken quarterly at the final tank as of 12/19/02. Prior to then samples were taken infrequently at well #2, near the stream. These samples are taken quarterly because there is no monthly fecal coliform SPDES limit. Plant is located near development past Travelers Rest Restaurant, Town of New Castle, Westchester County.	Non-NYC	41.207306	-73.781594	NY0165743
Reed Farm Condominiums	East of Hudson	Holly Stream (C)	MF	Reed Farm, chlorinated sample taken at chlorine contact tank; Dechlorinated samples taken at post-aeration tank. The plant is located on Rt. 22, Town of Southeast, Putnam County.	Non-NYC	41.369648	-73.637009	NY0145858
REST AREA I-684	East of Hudson	Holly Stream Trib (D)	MF	Rest Area #45, I-684, northbound lane, beginning 1/05 sample taken from final discharge weir. Prior to then sample taken at effluent pipe and chlorine sample from chlorine contact tank, Croton Falls, Putnam County.	Non-NYC	41.36209	-73.630508	NY0035955

Fox Hollow Sewer Corp. (Riverwoods)	East of Hudson	Kisco River (B(T))	RBC	Riverwood, formerly Fox Hollow, taken from flow weir; Rt. 100 left to Crow Hill Road and left to Croton Lake Road to Yeshiva, right over bridge, Westchester County.	Non-NYC	41.226702	-73.742902	NY0165425
Seven Springs Sewer Corporation	East of Hudson	New Croton Reservoir Trib (D)	MF	Seven Springs Sewer Corp., beginning 10/18/06 sample taken from final discharge weir. From 12/15/05 to 10/17/06 sample taken at outfall pipe. (A temporary filtration unit was in place during renovation.) Prior to then samples were taken at chlorine detention tank effluent. Located on Rt. 22, north of Rt. 116, Purdy's, Town of North Salem. (Site name changed from Waterview Hills Nursing Home on 4/6/15)	Non-NYC	41.332291	-73.656624	NY0029653
Society Hill at Mahopac	East of Hudson	Amawalk Resev Subtrb (D)	MF	Society Hill, dechlorinated samples taken at final weir. A chlorine sample is taken from the chlorine contact tank. Society Hill is across Rt. 6 from Miller Road, Putnam County.	Non-NYC	41.35108	-73.754273	NY0207365
Somers Chase Sewer Co. (Kenilworth)	East of Hudson	Groundwater (GA)	SBR	Somers Chase, beginning 2005 sample taken at UV effluent. Prior to then sample was taken from final wet well. Site is located south of Rt. 202.	Non-NYC			NY0250465
Somers High School & Primrose ES Campus	East of Hudson		MBR	Somers High School, beginning 8/14/07 sampling at outfall. Prior to then, taken from manhole. Somers High School is on Rt. 139.	Non-NYC	41.309495	-73.714776	NY0035483
SOMERS MANOR NURSING HOME	East of Hudson	Muscot Reservoir Trib (C)	MF	Somers Manor Nursing Home, beginning in 10/10, is a UV disinfection facility. Sample taken at final aeration tank located outside to the left of the new building. Prior to then chlorinated sample taken at chlorine contact tank, through a sample port in the wood plank as of 3/21/08. Prior to then sample was taken at the chlorine contact tank, under wood plank; Dechlorinated samples taken at post-aeration tank. Somers Manor is on Rt. 100, just south of Plum Brook Road, on right.	Non-NYC	41.298801	-73.702912	NY0101877
Terravest	East of Hudson		No tertiary treatment as it is a subsurface discharge	Terravest International Corporate Park, taken from final effluent at the tap inside the building.	Non-NYC	41.437978	-73.625548	NY0218936
Hill Sparrow (The Fairways at Hill and Dale)	East of Hudson	Michaels Bk.unnamed Trib (D)	MF	Hill and Dale Condos (The Fairways), plant upgraded 9/09, sample taken at final aeration tank as of 2/5/10. Prior to then sample was taken from outfall pipe. Prior to then sample was taken from the UV disinfection units. Located on Hill and Dale Road, Putnam County.	Non-NYC	41.438991	-73.666273	NY0165719
Meadows at Cross River	East of Hudson	Cross River Res Trib (D)	MF	The Meadows at Cross River, sample taken from reaeration tank. Located on Rt. 35 just west of Rt. 121, Westchester County.	Non-NYC	41.266797	-73.611773	NY0099520
Meadows at Deans Corner	East of Hudson		MBR	The Meadows at Deans Corners, sampled from a sample port in the building. Alternate site in the final tank.	Non-NYC	41	-73	NY0250511
Brewster Towne Centre	East of Hudson	Bog Brook Res.Trib (D)	MBR	Towne Centre Southeast, effluent sample is taken from the discharge of the final aeration tank. A chlorine sample is taken from chlorine contact tank. The plant is located near the intersection of Rts. 22 and 312 in the Town of Southeast, Putnam County.	Non-NYC	41.429294	-73.574571	NY0219045
WACCABUC COUNTRY CLUB	East of Hudson	Cross River Res Subtrib (D)	MBR	Waccabuc Country Club, taken at effluent pipe. East on Rt. 35, left onto Mead Street, Waccabuc Country Club is on left, Westchester County.	Non-NYC	41.290696	-73.598172	NY0105708
WALTER PANAS HIGH SCHOOL	East of Hudson	Hunter Brook Subtrib (C(T))	MBR	Walter Panas High School, taken at effluent pipe below football field. Walter Panas High School is on Croton Avenue about 3 miles south of Rt. 202, Town of Cortlandt, Westchester County.	Non-NYC	41.282163	-73.861091	NY0035017
Watchtower Educational Center	East of Hudson	Groundwater (GA)	CBUDSF	Watchtower Society, beginning 1/06 sample taken at the effluent pipe located in the manhole across the access road from the plant. Prior to then sample taken at UV chamber and if sample failed for D.O. (<7.0mg/l) sample taken at effluent pipe. Plant is located in the Town of Patterson on Rt. 22.	Non-NYC	41.497291	-73.580171	NY0165778
Wild Oaks Sewer District	East of Hudson	Horton Brook (C)	MF	Wild Oaks Village, taken at detention tank. A chlorine sample is taken from an upstream section of the same detention tank. Wild Oaks Village is located on Nash Road, off of Rt. 22, Goldens Bridge, Westchester County.	Non-NYC	41.303237	-73.662714	NY0065706
WILLIAMSBURG RIDGE	East of Hudson	Stillwater Brook Trib (D)	MF	Williamsburg Ridge, all samples taken at UV disinfection units if they are on line. If not, chlorinated samples are taken at chlorine contact tank next to rapid sand filters; Dechlorinated samples taken from the clear well. Williamsburg Ridge is on Stillwater Road off Baldwin Place Road.	Non-NYC	41.356073	-73.768772	NY0165611

Yeshiva Kehilath Yakov School	East of Hudson	GW-Dream Lake (GA)	MF	Yeshiva Kehilath Yakov, beginning 5/05, sample taken at chlorine detention tank effluent. Prior to then sample was taken at effluent pipe. Taconic State Parkway south to Rt. 134 west for 500 feet. Turn right onto Illington Road ½ mile north to School on left, Westchester County. The secondary site for this WWTP is within the building at a tap used by the operator for compliance sampling.	Non-NYC	41.216712	-73.816273	NY0147087
Yorktown Heights SD	East of Hudson	Hallocks Mill Brook (A(T))	MF	Yorktown STP, beginning 7/08, is a UV disinfection facility. Beginning 7/10/08 sample taken from UV effluent discharge located in Microfiltration Building. Prior to then chlorinated sample was taken from contact tank; Dechlorinated sample was taken at final weir at effluent chute. South on Rt. 100, turn right on Rt. 35 to Greenwood Street on left. Plant is on left, Westchester County.	Non-NYC	41.283584	-73.771387	NY0026743
Andes	West of Hudson		MBR	Andes Wastewater Treatment Plant. The Andes WTP is located on Tremper Kill Road in the village of Andes. An effluent sample is collected in the filtration building from a metering well before the waste stream exits the building.	Non-NYC	42.181669	-74.791667	NY0262854
Boiceville	West of Hudson		MF	Boiceville WTP Post Aeration Tank	Non-NYC	42.006027	-74.268093	NY0274038
L'man Achai, Camp	West of Hudson	Perch Lake Outlet (B)	MF	Camp L'man A'chai. Seasonal WWTP typically operating between June 30 and September 15. This site was formerly known as Camp Tai Chi (PTCE) and Camp Oquago (PCOE). Sample taken from white PVC effluent pipe located off dirt 'camp' road at far (east) end of camp property. Pipe discharges into intermittent stream leading from Perch Lake spillway. The camp is located on Perch Lake Road approximately 5 miles west of Margaretville on Route 30.	Non-NYC	42.116189	-74.800203	NY0104957
Machne Tashbar, Camp	West of Hudson	Schoharie Creek (A(TS))	CBUDSF	Camp Machne Tashbar Final Effluent, after UV treatment system	Non-NYC	42.147956	-74.115081	NY0263061
Oh-Neh-Tah, Camp	West of Hudson	Brooksbury Stream (C(TS))	MF	Effluent discharge from windwall near road, New Wastewater Treatment Plant construction for the camp in 2010	Non-NYC			NY0205460
Timberlake, Camp	West of Hudson	Groundwater, Jay Hand Hollow (GA,B(T))	MF	Camp Timberlake (Broadstreet Hollow), final effluent	Non-NYC	42.148691	-74.342692	NY0240664
Delhi	West of Hudson	Delaware River-West Branch (C(T))	CBUDSF	Delhi Wastewater Treatment Plant, taken from a manhole in the parking area since 5/6/2003. Prior to this the sample was taken from the effluent channel at the end of the chlorine contact chamber. The Wastewater Treatment Plant is located on Route 10 approximately 1.9 miles southwest of the intersection with Route 28 in the Village of Delhi.	Non-NYC	42.25546	-74.94119	NY0020265
Denver Sewer Corp. (Roxbury Run Village)	West of Hudson	Hewett Pond Stream (C(TS))	MF	Roxbury Wastewater Treatment Plant, taken at the plant, located 0.25 mile northwest of Delaware County Route 8 (Scudder Hill Road) and on a service road of the Roxbury Run Village. In 2005 the sampling sites switched to the effluent pipe below the aeration tank. Prior to that samples were taken from the v-notch weir in the final aeration tank.	Non-NYC	42.242285	-74.585698	NY0099562
Fleischmanns	West of Hudson	Bush Kill (B(TS))	CBUDSF	Fleischmann's Wastewater Treatment, starting 5/6/15 samples are taken from a sample pump located in the rear left corner of the chemical room. The plant is located in the village of Fleischmann's on Takanassee Road.	Non-NYC	42.156907	-74.546059	NY0261521
Hanah Country Inn and Golf Resort	West of Hudson	Groundwater (GA)	No tertiary treatment as it is a subsurface discharge	Hanah Country Inn and Golf Resort is located on Route 30 North outside the village of Margaretville. Samples are collected from the dosing chamber. The dosing chamber is approximately 80 feet SouthWest of the treatment building.	Non-NYC	42.170556	-74.612778	NY0249777
Hobart	West of Hudson	West Branch Delawate (C(T))	MF	Hobart Wastewater Treatment Plant, taken from the effluent flow meter chamber, which is located approximately 200 feet northwest of the Operation Building. The Wastewater Treatment Plant is located on River Street (Route 18) and 0.7 miles southwest of the intersection of Maple Avenue and River Street in the Village of Hobart.	Non-NYC	42.370191	-74.68167	NY0029254
Trailside at Hunter LLC (Hunter Highlands)	West of Hudson	Shanty Hollow Creek (C)	CBUDSF	Hunter Highlands, manhole, final effluent	Non-NYC	42.205687	-74.207887	NY0061131
Mountain View Estates	West of Hudson		MBR	Final Effluent located across the driveway from the treatment building (southwest) before the bridge to the second set of condos.	Non-NYC	42.262233	-74.191829	NY0263052

Mountainside Farms Inc.	West of Hudson	GW E Br Delaware (GA)	MBR	Mountainside Farms, located along Route 30 approximately 2.25 miles north of the Town of Roxbury. Access to the effluent ponds is along Teichman Road, 0.25 mile from its junction with Route 30. The entrance is a dirt service road off to the left. Sample can be collected from the effluent pump wet well or the UV effluent trough inside the operations building near the lagoon.	Non-NYC	42.311109	-74.547222	NY0084590
Olive Woods LLC. (Woodstock Percussion)	West of Hudson	Ashokon Reservoir Trib (B(T))	MF	Woodstock Percussion, final effluent (name changed to Olive Woods)	Non-NYC	41.985643	-74.187601	NY0098281
Oorah Catskill Retreat	West of Hudson	Schoharie Creek Trib (C)	MF	Final effluent (site name changed from Golden Acres on 4/1/15)	Non-NYC	42.394727	-74.492501	NY0069957
Prattsville	West of Hudson		MF	Prattsville Wastewater Treatment Plant, final effluent at weir inside plant	Non-NYC	42.320348	-74.432977	NY0263028
Robert W. Harold Campus (BOCES)	West of Hudson		MF	Robert W. Harold Campus BOCES effluent. BOCES is located on Route 206 approximately 15 miles west of Walton. On 8/24/2004 the sampling site switched to control room of the new plant.	Non-NYC	42.222573	-75.303944	NY0097446
Stamford	West of Hudson	Delaware River-West Branch (C(T))	CBUDSF	Stamford Wastewater Treatment Plant, taken in the control building since August 2001. The WTP is located at the intersection of Railroad Avenue and Axtel Road, 0.1 mile east of Route 10 in the Village of Stamford.	Non-NYC	42.402548	-74.628767	NY0021555
Walton	West of Hudson	Delaware River-West Branch (B(T))	CBUDSF	Walton Wastewater Treatment Plant, starting 5/13/15 samples are taken from a sampling pump located outside the rear left corner of the tertiary treatment building. The Wastewater Treatment Plant is located on South Street, approximately 0.6 mile south of the intersection of Stockton Avenue and Bridge Street in the Village of Walton.	Non-NYC	42.160583	-75.1376	NY0027154
Windham	West of Hudson	Batavia Kill (C(T))	CBUDSF	As of 09/18/12, the final effluent of the Windham Wastewater Treatment Plant will be the Outfall unless the outfall is not accessible then the sample will be collected from the Sample Pump in the facility (site initially added as site 9/22/2005)	Non-NYC	42.303056	-74.280833	NY0262935