

**NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN AND CONSTRUCTION
CROTON FACILITY MONITORING COMMITTEE MEETING MINUTES**

WEDNESDAY, APRIL 27, 2011 – 7:00 PM

The Croton Facility Monitoring Committee (CFMC) met on Wednesday, April 27, 2011 at the DEP Community Office, 3660 Jerome Avenue, Bronx, NY 10467.

Attending - CFMC Representatives:

Father Richard Gorman, Chair, CFMC and Community Board # 12; Frank McCue, Department of Parks & Recreation (DPR); Bob Fanuzzi, Community Board #8; Wilhelm Ronda, Bronx Borough President's Office; Council Member Oliver Koppell and Jamin Sewell, office of City Council Member Oliver Koppell.

Not Attending – CFMC Representatives:

Paul Foster, Community Board #7; Mark Lanaghan, Department of Environmental Protection (DEP).

Others

DEP Staff; DEP's Construction Manager; Assembly Member Jeffrey Dinowitz; and members of the public. Attendees are shown on *Attachment 1*. The agenda is *Attachment 2*.

Welcome

Fr Gorman called the meeting to order at 7:16 pm. He welcomed the public, and found a quorum to be present. Fr Gorman reported that a recent meeting with representatives of the community, Assembly Member Dinowitz, and the Bronx Borough President took place to plan the upcoming public hearing on public access to Jerome Park Reservoir (JPR). Borough President Diaz wants public access to JPR speeded up. Fr Gorman said that the FMC will not be in existence to oversee public access at JPR if the DEP public access report recommendations are followed. A letter from the Borough President has been sent to the Commissioners of DEP and DPR, asking that they attend the public hearing on June 2, 2011.

Adoption of CFMC Meeting Minutes

Fr Gorman requested a motion to approve March's meeting minutes if CFMC representatives were satisfied. Upon a motion by Mr. Ronda, seconded by Council Member Koppell, the minutes were adopted.

Department of Health & Mental Hygiene (DOHMH) Rodent Index Report

Caroline Bragdon, MPH, presented information about the DOHMH's inspections and outreach efforts aimed at reducing the rat population in the Bronx. Her presentation is *Attachment 3*. The information was being shared with the CFMC because a recent press article attributed a large rat population to the JPR area. Ms. Bragdon pointed to the areas – in particular, along sections of the Grand Concourse in multi-family and multiuse buildings -- where the rodent population is most prevalent. Rodents are attracted to sites with improper garbage handling and food related litter. Mr. Ronda and Ray Sanchez of the Borough President's office spoke about DOHMH re-inspections and wider use of the Warranty of Habitability requirements. Other comments were made by Gary Axelbank

and Anne Marie Garti. Mr. Koppell said he had contacted the President of MTA-NYC Transit about subway station conditions. Fr Gorman spoke about rats in subways and public buildings. Ms. Garti described rats in the JPR/Lehman parking lot. Ms. Bragdon highlighted the scheduled training programs sponsored by DOHMH to educate building owners and superintendants on ways to control conditions that attract rats.

Status of Funding & Design, Ft Independence Park/Jerome Park Pathway

Because DEP's representative was not able to attend the meeting, the explanation about this project was by Mr. McCue and Steve DesNoyer of DPR. They said DEP and DPR provided a tree survey, engineering study and report to NYS Department of Environmental Conservation (NYSDEC). That agency must approve the plans as they are the regulatory agency with oversight of earthen dams. The review period could take up to six months. In the meantime because of the City's desire to move forward on the work, DPR & DEP will include the work as an additional alternate. The design for Ft Independence Park and the pathway will be submitted to the Public Design Commission (PDC) as soon as possible. The DEP/DPR Memorandum of Understanding allocated \$4.5 million to the project. The construction estimate is just under \$3.5 million (excluding DEP tree work) of which \$300,000 has been spent on design.

Mr. Fanucci asked for the location of the earthen dam. Mr. DesNoyer said it is on DEP property at Ft Independence Park. He said DEC is also considering impacts along Sedgwick Ave where trees are growing, explaining that if there were damage to the earthen dam, trees could potentially become projectiles. Ms. Garti said 88 trees would potentially have to be removed for the DPR-designed path. She said DEP and DPR were using the jogging path as rationale to remove these trees. Mr. DesNoyer said that 13 trees had been proposed to be removed; however, the current redesign would require removal of only three. He said the excavation for the jogging path would not be below six inches.

At Mr. Koppell's request, Messrs. DeNoyer and McCue pointed along the proposed path, including its interruption at Lehman College's parking area and on Reservoir Rd. Mr. Fanucci asked if the pathway is only on parkland and was told the entire pathway would not be on DPR property. Anthony Rivieccio asked for vision for the area. Karen Argenti and Richard Barr requested JPR public access. Mr. Axelbank said he thought an additional pathway being built on the street outside Ft Independence Park made no sense. He asked what runners would do when they got to Goulden Ave. The answer was that runners would go back onto the street. Mr. Axelbank said the answer was unacceptable, as essentially separate pathways were being created. Mr. Axelbank called for one vision for the entire reservoir as the proper way to go about planning for JPR access. He said that, regardless of who controls the property, be it DEP or DPR, it is all public property. In terms of public access, it makes no difference what agency controls a given part of the property around JPR. Mr. Axelbank said he contacted then-DPR Commissioner Henry Stern several years ago, saying it made no sense for those running around JPR to leave the path around JPR to use the path through Ft Independence Park. He said he had never sent his done by any runners in the past 50 years.

Ms. Garti and Ms. Argenti strongly urged that the pathway project go forward, before the allocated funds become devalued from inflation and studies. Mr. Koppell moved that the pathway project proceed promptly. There was consensus from the FMC representatives to advance project design approval, with no objection to the current plan. Fr Gorman said a vision for JPR is needed after the FMC goes out of business. Mr. Ronda said the Borough President and community have a long term commitment to the JPR area.

Mr. Koppell said public access would be the subject of the public hearing.

Construction Update/Look-ahead (Attachment 4) and Costs (Attachment 5)

Bernard Daly, P.E., DEP Croton Project Manager, spoke to the 90 day look-ahead construction schedule and Croton contracts and costs.

The CRO-312 contractors are continuing construction at the VCP site. Most of the concrete has been placed for the facility. Work continues on the above-ground Arrivals and Receiving Building, Chemical Fill Station and Vent/Stairways. The DEP Police booth will be built once the entrance/exit roadway is completed. Most of the current construction work is occurring inside the treatment plant structure, including installation of mechanical, electrical, plumbing and HVAC equipment. There is also extensive utility work going on, including sewer, electric, and force main piping within the site. An 84" diameter water main is also being constructed within the site for a potential future connection to the existing water distribution system. Construction of the retaining walls at the entrance to the Croton Filter Plant will resume following utility relocation now underway.

In response to a query at the last FMC meeting, Mr. Daly stated that the permanent alarm system for the Croton Filter Plant will not be heard throughout the community.

The CRO-313 tunnel contractor continues close out activities.

The CRO-312-OS contractors are still constructing the Shaft and Meter Chamber at JPR, installing large diameter piping and placing concrete. Some electric work is also taking place. These activities are occurring inside the noise wall across from Bronx High School of Science. Yard piping which entails some rock excavation will be progressing this summer. Rock excavation in the yard piping trenches will be performed by blasting; however, the blasting will be conducted under the same restrictions used previously for the Shaft and Meter Chamber footprint. This blasting will be behind the noise wall and farther from Bronx High School of Science. Some construction continues at Gate House No 5 and No 7 where existing sluice gates will be refurbished and a series of new sluice gates will be installed. Rehabilitation work inside Gate House No 2 and No 3 continues. Engineering investigation work also continues inside JPR's basins.

Mr. Daly reviewed the status of upcoming work in Goulden Avenue necessary to provide connections of 48" diameter water mains discussed previously at the March meeting. The activities in Goulden Avenue will have an impact on the Bronx High School of Science and on the community greater than any other work associated with the Croton

Filter Project. A large excavation is required in Goulden Avenue across from Bronx High School of Science for about five months and also at Gate House No 7 for about four months to install water main connections. It is important to begin the first connection across from Bronx High School of Science when regular school is not in session. This will allow the noisiest work (saw cutting, pile driving excavation and sheeting work) to be done when there are fewer students at the school. A noise wall cannot be installed on Goulden Avenue. DEP and the contractor are discussing options and initiatives for the work with the objective of minimizing impacts. It is not expected that blasting will be necessary in Goulden Avenue according to test pit information. From a construction perspective, Mr. Daly recommends doing the work on Goulden Avenue across from Bronx High School of Science first and later doing the work on Goulden Avenue across from Gate House No 7. The contractor has asked to fully close a portion of Goulden Avenue between Sedgwick Avenue and 205th Street. Mr. Sanchez asked if DEP must close the whole street. Mr. Daly explained that the excavation will be wide and deep but it will not be long linearly; it cannot be easily covered with road plates during non-work hours and these plates are often annoying when vehicles pass over them. The contractor has asked for full width roadway closure, but plans are fluid and many considerations must be reviewed. DEP and the contractor are continuing to investigate ways to reduce school and community impacts. Meetings with DOT and other stakeholders will quickly commence. Mr. Daly said DEP wanted to inform the FMC about the plans for the work before discussing them in separate meetings with other stakeholders. Assembly Member Dinowitz asked for clarification about whether a detour would be required on Goulden Avenue south of 205th Street. Mr. Daly said that any detours would be discussed with DOT. Fr Gorman said that detours will affect persons attending performances at Lehman Center for the Performing Arts.

Mr. Fanucci asked DEP to make a Goulden Avenue construction presentation to Community Board #8. Ms. Garti and Mr. Barr recommended doing both excavations together instead of separately. Mr. Daly said the second excavation near Gate House No 7 is not critical for Croton Filter Plant operations and could be made later. Ms. Argenti said Goulden Avenue needs to be repaved. Mr. Daly said the DEP excavations would be repaved but not Goulden Avenue entirely. Fr Gorman said that at the next FMC meeting he would like to see MTA, the principals of the schools, the bus companies, and DOT discuss how they will deal with the traffic and roadway detour. Mr. Koppell said that instead of having the users of the roadway and the neighbors discuss the plan, DEP must first get direction from the technical agency representatives who review roadway closures and detours throughout the city. Mr. Koppell urged DEP to get the plan reviewed as soon as possible by the experts. Mr. Daly said he expected a meeting with DOT for this purpose to take place quickly. Mr. Daly said the community's input is important to the planning which is the reason he has mentioned this work to the FMC at prior meetings. Fr Gorman said DEP should have come to the FMC and to the community boards sooner.

CRO-334 rehabilitation costs were added to the construction report this month as requested by Ms. Garti. There is ongoing work on CRO-334 at existing shaft locations on the Upstate portion of the New Croton Aqueduct (NCA). Contact and consolidation grouting of the City section of the NCA is also ongoing with Shaft 21 at JPR being used

as an access shaft. At Shaft 25 in Manhattan, park restoration is taking place. JPR basins will not be filled until rehabilitation work is completed on the NCA, including constructing a concrete plug adjacent to Shaft 21. The work on the plug is scheduled to start in late 2011 and continue until mid-2012.

Mr. Daly referenced current construction, CM and Design costs for the Croton WTP in the handout.

Force Main Design Route

Lauren Competello P.E., BEDC design engineer developing the force main route, said that DEP is still considering several alternate routes in lieu of the originally proposed route to Hunts Point. She said the analyses will probably take several months. She said she hopes to have more information for the FMC at the earliest by June or later this summer. Mr. Dinowitz said if there are choices to be made, he hoped the community would be able to select the preferable choice. Ms. Competello said DEP must first reach general agreement on the optimum choices as several DEP bureaus have jurisdiction over the force main. Force main design delays will not interfere with operations of the Croton Filter Plant because force main construction -- once the routing decisions have been made -- can be expedited. There is also parallel plan in preparation to dispose of Plant residuals in City sewers. Mr. Daly said that Ms. Competello is performing the necessary due diligence but she is well aware of community and elected officials' objections to using Sedgwick Avenue as the force main route. If there are good alternative(s), she will want to have a design that does not use Sedgwick Avenue.

Update on Croton Jobs

Thomas Farrell, P.E., construction manager, presented the jobs report -- *Attachment 6*. He said that workers on site have been reduced by 120 persons, including 22 fewer Bronx residents. He said that the project is using fewer workers overall, as some of the critical work has been completed. He said that Bronx-based purchases were also down because rebar is no longer being bought. However, \$1.3 million in goods and services was purchased in the Bronx during this period. In response to Mr. Riviuccio's question, Mr. Farrell said that on average over five years, 21% of the work force has come from the Bronx. This is a good percentage, although DEP and the community would like the Bronx employee percentage to have been higher. Mr. Koppell said he is frustrated because the current percentage is the lowest since the construction started, and 15% Bronx workers is disappointing. Fr Gorman said the community believed the Bronx had the skilled workforce needed for this project, adding that in the future, the community will be better able to negotiate job conditions on major construction projects. He said DEP has made efforts towards local hiring but the results are not encouraging.

CFMC Discussion

CFMC tentatively set the next FMC meeting for Tuesday, May 24, 2011 at 7 pm at a location to be determined. The meeting will focus on Goulden Avenue construction. Fr Gorman suggested having the meeting near JPR.

Fr. Gorman received unanimous agreement to adjourn at 9:45 pm.

4/27/2011

NYC DEP - CROTON FMC

Attachment 1

<u>Name</u>	<u>Organization / Company</u>	<u>Address</u>	<u>Phone</u>	<u>Fax</u>	<u>E-Mail</u>
Thomas Farrell PE	Construction Manager	3701 Jerome Avenue Bronx, NY 10467	(718) 696-2000		thomas.farrell@shawgrp.com
Caroline Bragden	NYC Dept of Health & Mental Hygiene	22 Cortlandt St New York NY	(646)957-0247		cbragdon@health.nyc.gov
Steve DesNoyer	NYC Dept of Parks & Recreation	Olmstead Center Flushing NY 11368	(718)760-6617		steve.desnoyer@parks.nyc.gov
Jamin Sewell	Office of Council Member Oliver Koppell	3636 Waldo Ave Bronx NY 10463	(718) 549-7300	(718) 798-3879	jsewell@council.nyc.gov
Rebecca Patt		3850 Sedgwick Avenue Bronx NY	(718) 884-1688		joreb18@earthlink.net
Robert Barnes	DEP Community Office	3660 Jerome Avenue Bronx NY 10467	(718) 231-8470	(718) 231-8857	rbarnes@dep.nyc.gov
Ed Neisch	Construction Manager	3701 Jerome Avenue Bronx, NY 10467	(718) 696-2000		ed.neisch@arcadis-us.com
Fr. Richard Gorman	Chairman, Community Board #12	4101 White Plains Road Bronx NY 10466	(718) 881-4455	(718) 231-0635	cb12@optonline.net rgorman@cb.nyc.gov
Frank McCue	NYC Dept of Parks & Recreation	Olmstead Center Flushing NY 11368	(718) 760 6676		frank.mccue@parks.nyc.gov
Martha Holstein	Strategic Urban Solutions	335 Adams Street Brooklyn, NY 11201	(718) 625-1005 x. 223	(718) 625-1032	mholstein@urbansol.com
Bernard Daly, PE	DEP BEDC Project Manager	3701 Jerome Avenue Bronx, NY 10467	(718) 696-2000	(718) 324-3034	Bdaly@dep.nyc.gov
Adam Wisnieski	Riverdale Press	6155 Broadway Bronx NY 10471	(718) 543-6065		awisnieski@riverdalepress.com
Ray Sanchez Jr	Bronx Borough President's Office	851 Grand Concourse Bronx NY 10451	(718) 590-2645		rsanchez@bronxbp.nyc.gov
Anthony Riveiccio		3015 Perry Avenue Bronx NY 10458	(347) 575-5045		advisorsgroup@gmail.com
Richard Barr	Bronx HS of Science Parents Association	203 W 86 Street New York NY 10024	(212) 877-2694		richardedbarr@aol.com
Wilhelm Ronda	Bronx Borough President's Office	851 Grand Concourse Bronx NY 10451	(718) 590 8087		wronda@bronxbp.nyc.gov
Gary Axelbank			(718) 960 8707		gaxinthebronx@gmail.com
Anne Marie Garti	Jerome Park Conservancy	3967 Sedgwick Avenue Bronx NY	(718) 601-1322; (718) 884-7864		annemarie@att.net

NYC DEP - CROTON FCMC

Page 2 Continued.....

<u>Name</u>	<u>Organization / Company</u>	<u>Address</u>	<u>Phone</u>	<u>Fax</u>	<u>E-Mail</u>
Lauren Competello, PE	BEDC Design, NYCDEP	3701 Jerome Ave. Bronx NY 10467	(718) 595-6221	(718) 595-3477	laurenc@dep.nyc.gov
Chris Rivera	NYCDEP Community Outreach Office	3660 Jerome Avenue Bronx NY 10467	(718) 231 8470	(718) 231 8857	crivera@dep.nyc.gov
Bob Fanuzzi	Vice Chairman, Community Board #8	5676 Riverdale Avenue Bronx NY 10471	(718) 884-4740	(718) 796-2763	brxcb8@optonline.net
Hon. G.Oliver Koppell	Council Member	3636 Waldo Avenue Bronx NY	(718) 549-7300	(718) 549-9945	koppello@council.nyc.gov
Karen Argenti	Fort Independence Park Neighborhood Assn	PO Box 346 Bronx NY 10471	(646) 529-1990		KarenArgenti@aol.com
Thomas McNeil	Assistant to A/M Jeffrey Dinowitz	3107 Kingsbridge Avenue Bronx NY 10463	(718) 548-8090		thomas0330@hotmail.com
Ilona Linins	Lehman College	250 Bedford Park Blvd W Bronx NY	(718) 960-8988		ilona.linins@lehman.cuny.edu
Hon. Jeffrey Dinowitz	NYS Assembly Member	3107 Kingsbridge Avenue Bronx NY 10463	(718) 548-8090		dinowitzj@assembly.nys.us.gov

Agenda
Croton Facility Monitoring Committee Meeting
Wednesday, April 27, 2011 – 7:00 PM
DEP Community Office, 3660 Jerome Avenue, Bronx NY 10467

- | | |
|---|--|
| I Welcome | Father Richard Gorman, Chair |
| II Consider, Adopt 3/31/11 Meeting Minutes | CFMC Representatives |
| III Update on NYCDOHMH Rodent Index | Caroline Bragdon, MPH |
| IV Update on Parks Design for Ft Independence
Park & JPR Jogging Path, Including Costs | Frank McCue, DPR |
| V Construction Update, Schedule & Costs
& Upcoming Construction in Goulden Ave | Bernard Daly, P.E., DEP |
| VI Status of Force Main Design | Lauren Competello, P.E., DEP |
| VII Current Report - Croton Jobs | Tom Farrell, P.E., Construction
Manager |
| VIII Continued Discussion, Public Access to JPR | CFMC Representatives |
| IX CFMC Discussion, Set Next Meeting | CFMC Representatives |
| X Adjourn | |



DEP/DOHMH

Bronx Rat Initiative

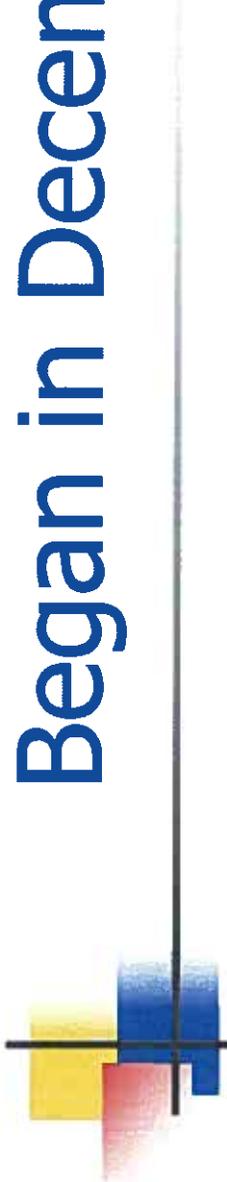
Caroline Bragdon

Research Scientist

Bureau of Environmental Surveillance and Policy

NYC Department of Health and Mental Hygiene

April 27, 2011



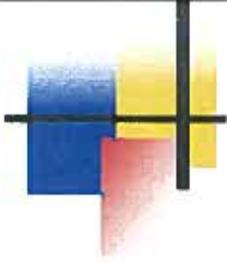
Bronx Rat Initiative Began in December 2007

- Repeat, proactive inspections in an indexing “zone”.
- Increase in outreach activities to Bronx neighborhoods.
- Promotion of best practices in rat management.



Zone:
 Round 1







Zone:
 Round 3



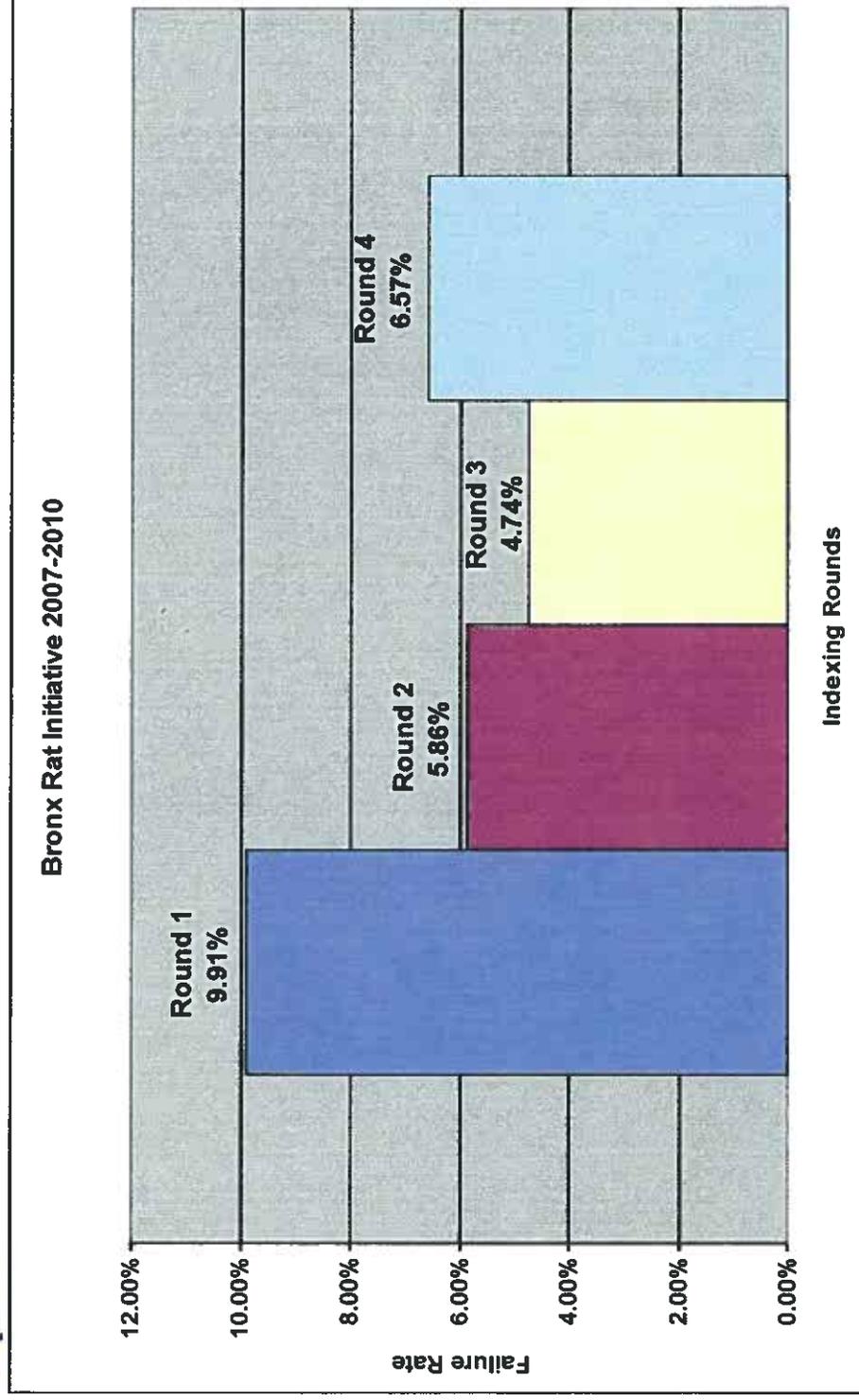




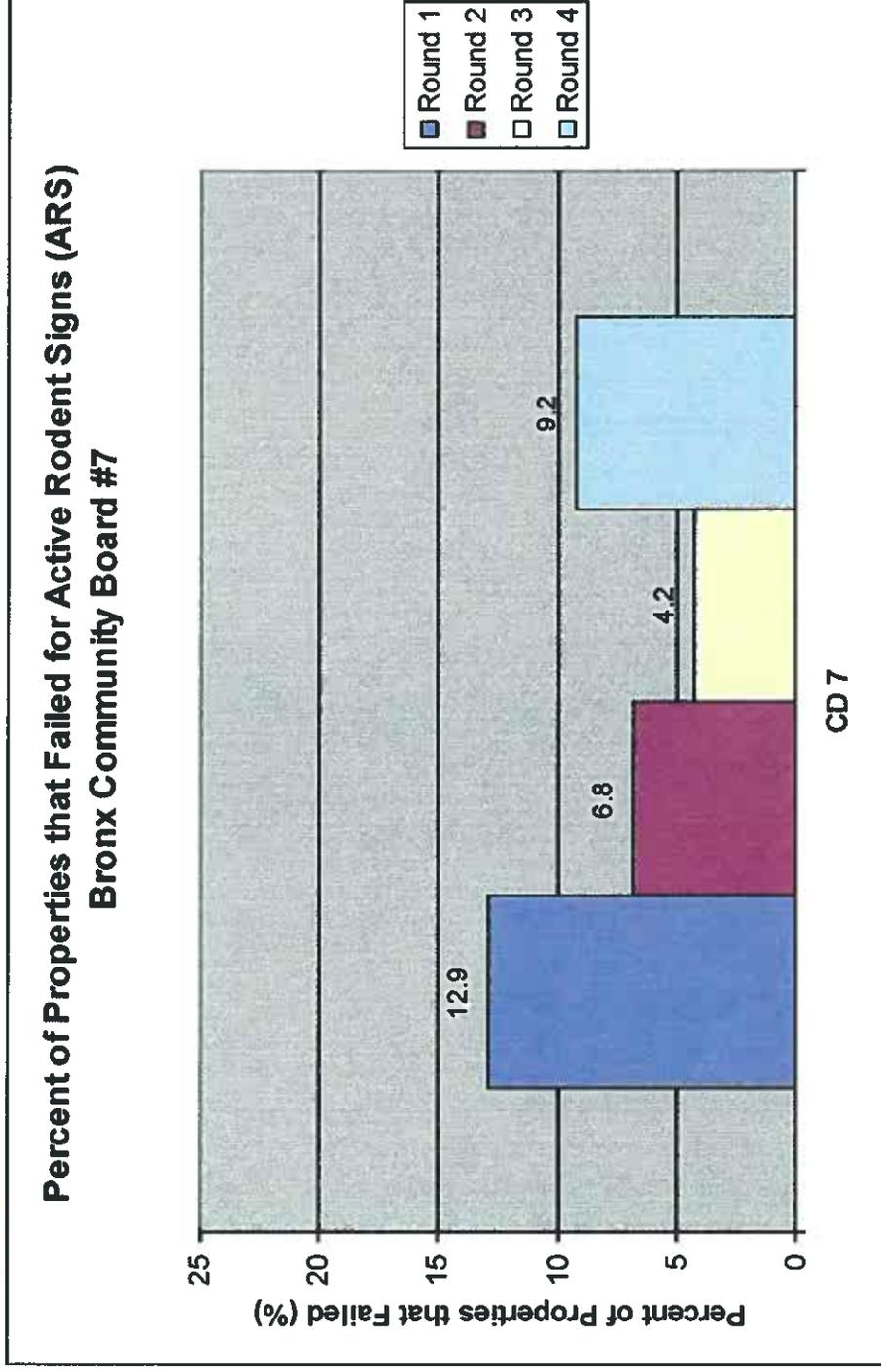
Bronx Rat Initiative

- Over 141,000 initial indexing inspections over 4 rounds of indexing in the Bronx
- Over 10,500 Follow-up (compliance) Inspections conducted
- DOHMH has issued 2,958 violations for rats since we initiated this program

Overall rat inspection failure rates have declined in our main cohort



In District 7, failure rates have also declined since 2007





Round 1

December 2007 to June 2008



Community Districts

Taxlot Indexing Status



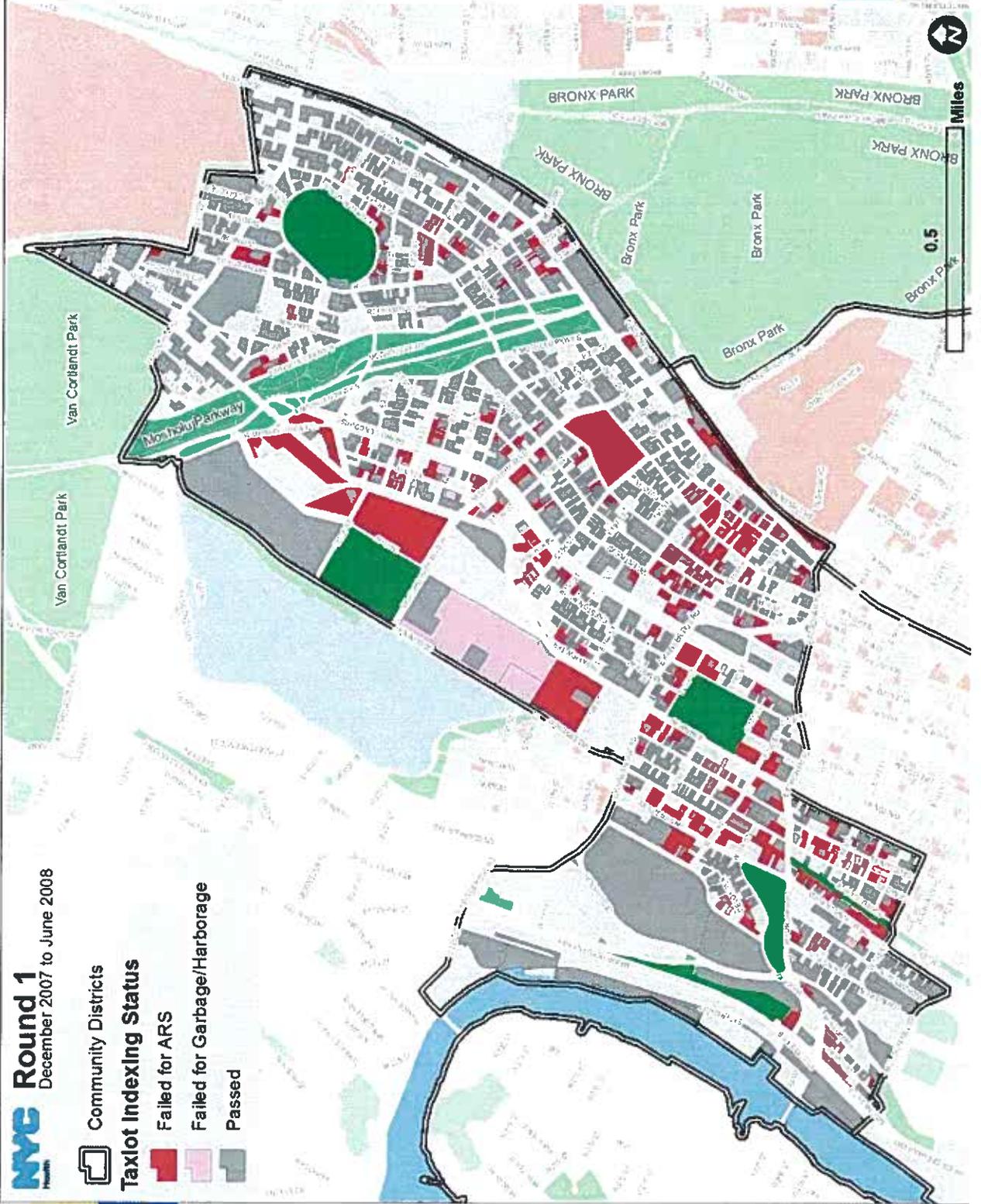
Failed for ARS



Failed for Garbage/Harbage



Passed





Round 2

July 2008 to December 2008



Community Districts

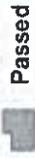
Taxi Indexing Status



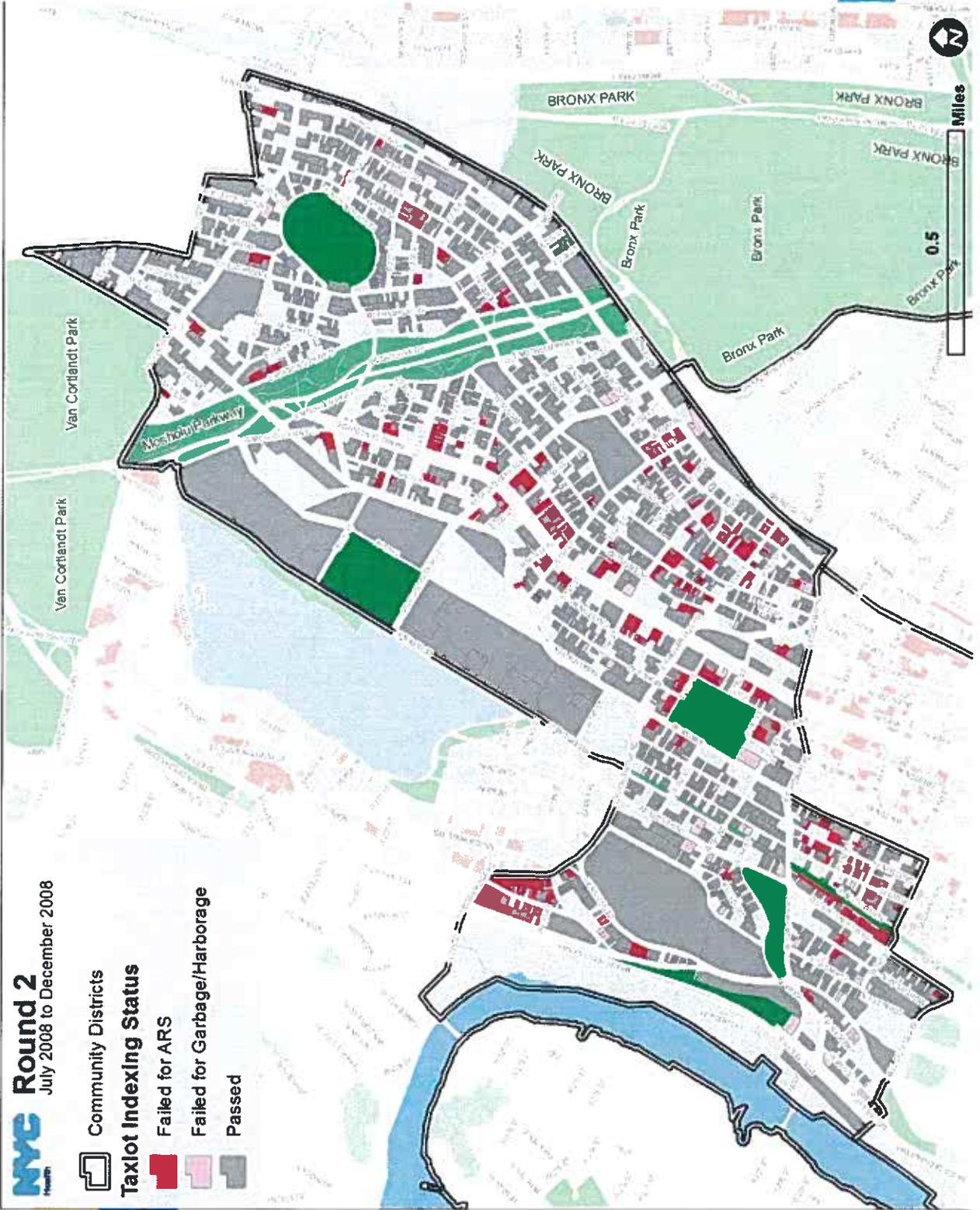
Failed for ARS



Failed for Garbage/Harborage



Passed





Round 3

January 2009 to August 2009



Community Districts

Taxi Indexing Status



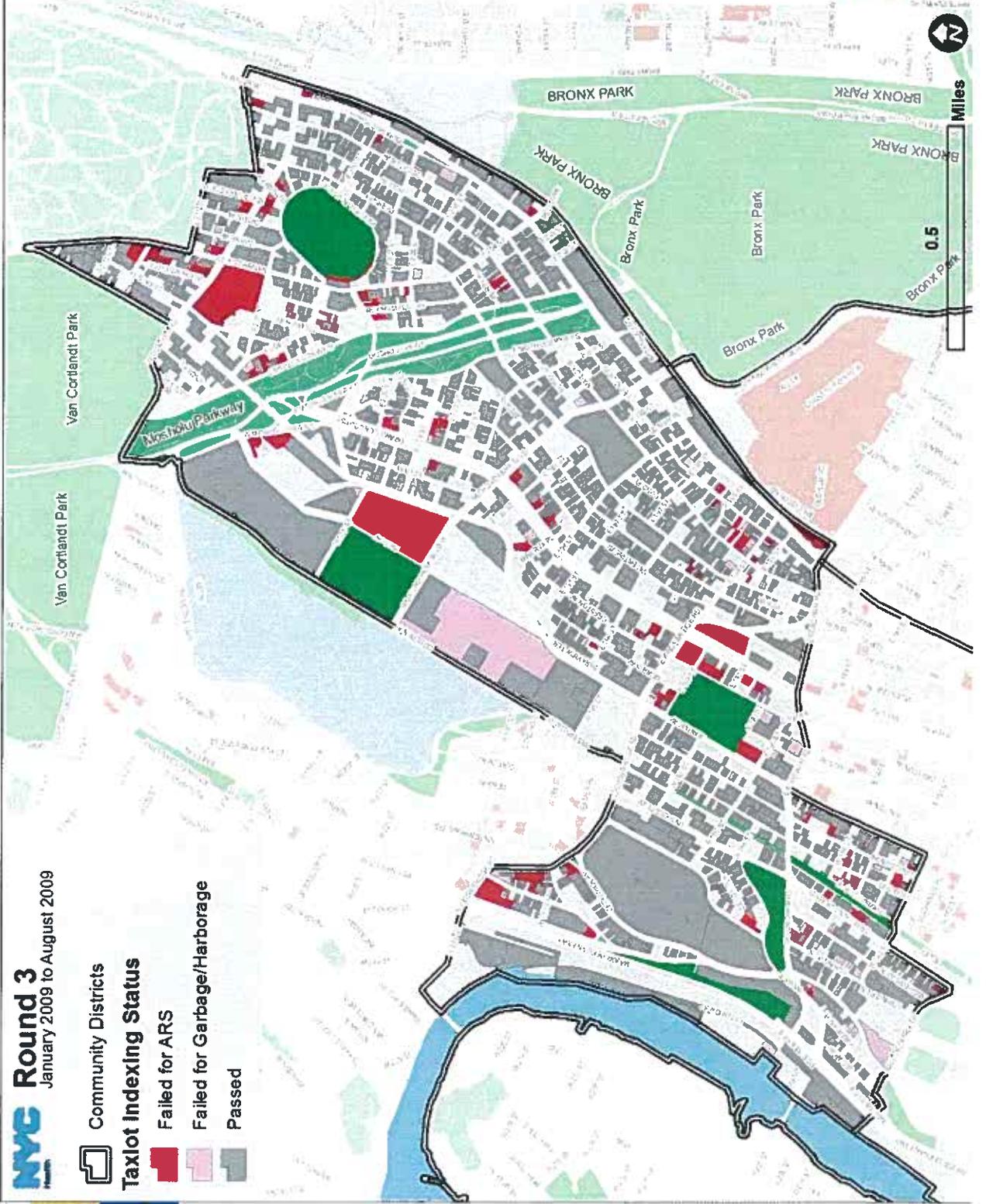
Failed for ARS



Failed for Garbage/Harborage



Passed



Miles

0.5

WM-11 Croton Water Treatment Plant
Cost Summary as of 3/31/2011

Croton WTP Construction Costs						
Contract	Contractor Name	Original Contract Price	Registered Change Orders	Current Contract Amount	% Contract Increase	
CRO-311	Schiavone Construction Co.	\$127,660,000	-\$14,445,214	\$113,214,786	-11%	
CRO-312G	Skanska/Tully, JV	\$1,327,700,000	\$88,884,725	\$1,416,584,725	7%	
CRO-312E1	Schlesinger-Siemens, LLC	\$134,680,000	\$7,648,291	\$142,328,291	6%	
CRO-312E2	Schlesinger-Siemens, LLC	\$37,678,000	\$6,537,799	\$44,215,799	17%	
CRO-312H	Durr Mechanical Construction	\$105,700,000	\$14,520,274	\$120,220,274	14%	
CRO-312P	Picone/WDF, JV	\$58,475,000	\$10,385,559	\$68,860,559	18%	
CRO-312OS-G	Picone-Schiavone, JV	\$96,842,500	\$17,459,758	\$114,302,258	18%	
CRO-312OS-E	Eldor Electric	\$15,762,500	\$932,871	\$16,695,371	6%	
CRO-312OS-H	AWL Industries	\$822,000	\$12,901	\$834,901	2%	
CRO-312OS-P	JPP Plumbing	\$872,000	\$155,165	\$1,027,165	18%	
CRO-312FM (1)	Maspeth Supply Co. LLC	\$18,626,745	\$12,406,597	\$31,033,342	67%	
CRO-313	Schiavone/Picone, JV	\$212,227,000	\$1,998,084	\$214,225,084	1%	
CRO-315G	Angelakis Construction Corp.	\$3,641,000	\$14,894	\$3,655,894	0%	
CRO-315E	Interphase Electric	\$807,317	\$145,800	\$953,117	18%	
CRO-312CE	Con Edison	\$4,074,526	\$0	\$4,074,526	0%	
TOTAL		\$2,145,568,588	\$146,657,502	\$2,292,226,090	7%	
Croton WTP Design / Construction Management Costs						
HED-543 DES	Metcalf & Eddy / Hazen and Sawyer, JV	\$44,226,000	\$222,182,648	\$266,408,648	502%	
HED-545 CM	URS/Malcolm Pirnie, JV	\$63,400,000	\$32,936,305	\$96,336,305	52%	
TOTAL		\$107,626,000	\$255,118,953	\$362,744,953	237%	

Rehabilitation of the New Croton Aqueduct Construction Costs						
Contract	Contractor Name	Original Contract Price	Registered Change Orders	Current Contract Amount	% Contract Increase	
CRO-334G	Frontier-Kemper/Schiavone/Picone JV	\$91,696,805	\$8,542,112	\$100,238,917	9%	
CRO-334E	Community Electric	\$1,119,000	\$247,275	\$1,366,275	22%	
TOTAL		\$92,815,805	\$8,789,387	\$101,605,192	9%	
Rehabilitation of the New Croton Aqueduct Construction Management Costs (2)						
TCM-CRO-334	Washington/HAKS JV	\$5,952,446	\$0	\$5,952,446	0%	
TOTAL		\$5,952,446	\$0	\$5,952,446	0%	

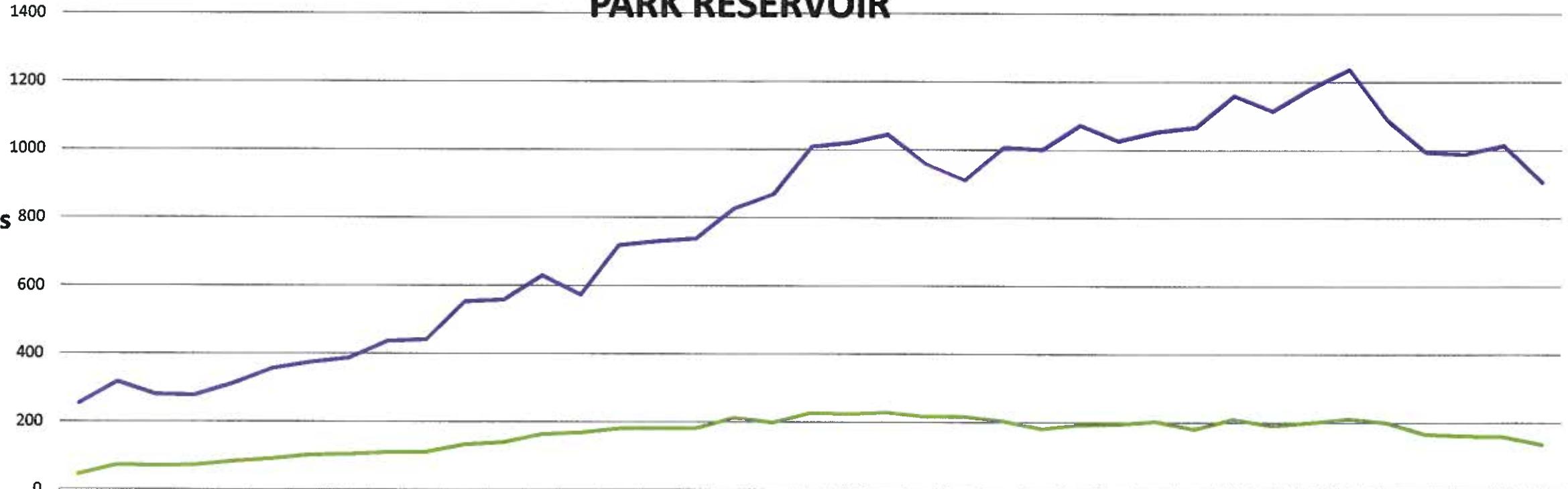
Notes:

(1) Costs shown for CRO-312FM are for the original Force Main Route to Hunts Point WPCP.

(2) Design costs for CRO-334G and CRO-334E are included in Contract HED-543 DES.

CROTON WATER TREATMENT PLANT AND OFFSITE FACILITIES AT JEROME PARK RESERVOIR

**Average #
of Workers
Per Day**



	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	11-Mar
— Bronx Workers	46	73	70	72	83	91	102	104	110	111	133	139	163	168	180	181	181	212	199	227	224	228	216	216	204	181	193	195	203	181	210	191	200	211	200	166	162	159	137
— Total Workers	254	317	280	278	312	356	374	387	436	441	553	558	629	573	718	730	738	827	869	1009	1021	1045	959	912	1007	1001	1073	1027	1054	1067	1160	1115	1182	1237	1088	994	988	1014	906
Bronx Workers %	18%	23%	25%	26%	27%	26%	27%	27%	25%	25%	24%	25%	26%	29%	25%	25%	25%	26%	23%	22%	22%	22%	23%	24%	20%	18%	18%	19%	19%	17%	18%	17%	17%	17%	18%	17%	16%	16%	15%

Total Average Overall= 21%