

**NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN AND CONSTRUCTION
CROTON FACILITY MONITORING COMMITTEE MEETING MINUTES
THURSDAY, FEBRUARY 16, 2012 – 7:00 PM**

The Croton Facility Monitoring Committee (CFMC) met on Thursday, February 16, 2012 at the DEP Office, 3660 Jerome Avenue, Bronx, NY 10467.

Welcome

The meeting was called to order at 7:15 pm by Paul Foster. Mr. Foster said he looked forward to chairing the FMC in 2012. He said he would keep meetings orderly and place reasonable time limits on comments from the public. He will ask the FMC for input first and then invite the public to speak.

Attending - CFMC Representatives:

Hector Aponte, Bronx Borough Commissioner, Department of Parks & Recreation (DPR); Paul Foster, Chair, and William Francis, Community Board # 7; Robert Fanuzzi, Chair, Community Board # 8; Wilhelm Ronda, Bronx Borough President's Office; Council Member G. Oliver Koppell & Jamin Sewell, Office of Council Member Koppell; Effie Ardizzone, Department of Environmental Protection (DEP). **Not attending:** Father Richard Gorman, Community Board #12. **Others Attending:** Assembly Member Jeffrey Dinowitz and Tom McNeil of Assembly Member Dinowitz's Office; DEP Staff; DEP Construction Manager; DPR staff; members of the public, and press. Attendees are listed on *Attachment 1*. Agenda is *Attachment 2*.

Adoption of CFMC Meeting Agenda

Mr. Fanuzzi requested that follow up on removal of trees at Jerome Park Reservoir (JPR) be added to the agenda. His request was agreed to. [Note: the subject of tree removal was discussed as part of the status of approval of the jogging path.]

Adoption of CFMC Meeting Minutes from January 12, 2012

Mr. Foster asked the CFMC representatives for comments or changes to meeting minutes. Several corrections were offered and accepted by the CFMC. With changes in place, the CFMC voted unanimously to adopt the minutes. Motion was from Mr. Ronda, second by Mr. Fanuzzi.

DPR's Further Comments on Croton-Funded Parks Improvements

Mr. Aponte had a PowerPoint presentation ready on this subject but was unable to give it as there was no laptop available at the meeting. However, Mr. Aponte and Raymundo Gomez, DPR, went on to provide additional information about parks improvement costs as a follow up to the January 2012 CFMC meeting. The revised handout, dated 2/21/12 is *Attachment 3*. Mr. Aponte again referred to the Sokolow spread sheet, including forest management program, remodel Shandler, renovate Saturn, improve Old Croton Aqueduct Trail, install wetlands signage, improve Dickenson Avenue greening, and get concurrence on other items that needed Uniform Land Use Review Procedure approval, replace lost revenue at golf course, provide funds for Split Rock and Van Cortlandt Park

(VCP) golf course. Mr. Aponte said the temporary clubhouse in VCP, which cost \$5 million to construct, will be retained after the permanent clubhouse is built. It will be used by DPR staff as administrative and maintenance facility. Mr. Aponte added that the 233rd Street Ramp is complete and noise suppression was installed.

Mr. Fanuzzi asked whether \$180 million of projects in Memorandum of Understanding (MOU) covers work at Ft. Independence Park. Mr. Koppell asked about funding for the pedestrian bridge over Major Deegan Expressway which was discussed subsequently.

There was a lengthy discussion about Public Design Commission (PDC) approval of the jogging path at JPR. Mr. Aponte said that Phase 1 Master Plan for the jogging path was approved; however, the addition of tree removal and dam safety initiatives resulted in the PDC's asking more questions. Steve Des Noyer, DPR, said that if tree removal were removed from the jogging path design item, as suggested by some CFMC representatives, the plan would require changes in the contract documents that would further delay this project by a few weeks. Messrs. Fanuzzi, Dinowitz, Foster and Koppell expressed their desire to review plans for tree replacement and sought clarification about the extent to which suggestions from the public would be helpful and could be incorporated. Mr. Aponte responded that there will be 553 trees to replace 152 removed, and DEP will pay for them. He said DPR performs a very thorough plan of the locations where new trees can be planted. He added that DPR will attempt to consider the placement of new trees in locations requested by the public

Mr. Dinowitz said he contacted NYS Department of Environmental Conservation (DEC), requesting that appropriate DEC staff hold a public hearing in the community about tree removal. He said DEC has not responded, but he believes DEC must hear community objections to tree removal as a part of state requirements for earthen dam safety.

There were additional comments and questions about dam safety, tree removal, replanting new trees, design of jogging path, and improvements to Ft. Independence Park by Messrs. Koppell, Fanuzzi, Dinowitz, and Karen Argenti, Bronx Council on Environmental Quality, who urged DPR not to close Ft. Independence Park during construction. Mr. Aponte responded about why the park will close, although the playground may remain open. After discussion, Mr. Koppell and Mr. Foster again urged DPR to secure PDC approval of the jogging path as soon as possible.

Bob Press, Community Board #8, asked about overruns of parks improvement projects. Mr. Aponte said that some improvements cost more than originally planned and other improvements cost less. He won't have final costs until all projects are complete. He added that under-runs and overruns will likely balance out.

There was a discussion about the three resolutions adopted in January by the CFMC. The first and second resolution will be part of the submission to PDC [(1) expedite construction of the jogging path at JPR; (2) replant in the district from which any trees are removed]. The third resolution, calling for funding, design and construction of the pedestrian bridge, was requested to be sent to the Mayor, the Speaker, the Bronx

Borough President, the Office of Management and Budget, the Commissioners of DEP and DPR. Mr. Koppell asked that this resolution and the study prepared by Phil Habib about the feasibility of the pedestrian bridge be sent to him for distribution to the Bronx City Council delegation.

Update on Schedule, Costs, Construction Activities

Costs - Attachment 4

Mr. Daly asked if there were questions. It was pointed out by Mr. Ronda there is a typo in the document date. The document had been circulated to the CFMC. Mr. Daly said again that all costs he reports on have been registered by the NYC Comptroller, and that the costs do not include parks mitigation funding. There were no additional questions or comments.

Construction Update/Look-ahead – Attachment 5

Mr. Daly gave the update.

The CRO-312 contractors continue to construct the Croton Filter Plant facility at the VCP site. Most of the concrete is in place. Work is continuing at the above ground Arrivals and Receiving Building, Chemical Fill Station and Vent Structures. Architectural features at the above ground buildings will commence in the next year. Installation of the 84" water main at the VCP front entrance driveway continues. Mr. Daly previously explained that the water main will be capped at Jerome Ave. and may be connected to distribution at a later time. Con Ed permanent electric power is in place at the plant, using two new feeders. Con Ed is constructing two additional backup feeders for the plant from a substation in Yonkers. Other utility work is ongoing, including water main and sewer piping in Jerome and Bainbridge Avenues taking place over the next six months from 9pm to 6am on weekdays. Construction of retaining walls is underway, and the foundations for driving range netting poles are virtually complete. Construction within the treatment plant structure includes installation of mechanical, electrical, plumbing and HVAC equipment. Electrical work is taking place in two shifts on weekdays, as well as on weekends. Check-out of internal process equipment continues. Ms. Argenti asked when the green roof of the Croton Filter Plant will be in place. Mr. Daly said the green roof will take two years, beginning at the end of 2012.

The CRO-313 tunnel is complete. The contract is proceeding through closed-out.

CRO-312FM Force Main restoration of the test pits is expected to begin this spring.

Construction of the Shaft and Meter Chamber at JPR, including large diameter pipes and valves under CRO-312OS, continues to advance pursuant to schedule. Concrete has been placed; work is concluding on installation of mezzanine grating, drain piping and electrical work. Two new water mains were connected in Goulden Avenue and the roadway was restored by early January 2012. The next excavation, for water main repairs to an existing water main at Sedgwick and Goulden Avenues, near Gate House No. 7, must begin as soon as possible. It is projected to start in May 2012. The repairs

were not planned. DEP must repair a leak in an existing water main which is not part of the Croton Filter Plant's construction. Until the repairs are made, connections of the water mains at Sedgwick and Goulden Avenues cannot begin. These connections are planned to begin in summer 2012. It is less likely that DEP will require trench blasting for installation of yard piping at the JPR site, although a final decision has not yet been made. The contractor has been using mechanical means for excavation, and work has been proceeding satisfactorily. If blasts are needed, blasting would be minimal, as compared to the previous blasting at the Shaft and Meter Chamber, and would be after school hours or during school vacation. DEP would not expect any undue vibrations or noise from blasting.

Sluice gate replacement and upgrades are continuing at Gate House No. 5 and Gate House No. 7. At Gate House No. 5, twenty-two sluice gates will be replaced. At Gate House No. 7, seven existing sluice gates will be refurbished. Electrical work is also underway inside Gate House No. 5. At Gate House No. 1, the gate replacement work on two sluice gates has started and will take several months to complete. Gate House No. 2 has been inspected. It is in very poor condition, and is currently surrounded by scaffolding. The building may have to be demolished, although no decision has been made. There was discussion with Mr. Daly among CFMC and the public about the significance of the structure and its replacement architecture if it were to be demolished. The State Historic Preservation Office (SHPO) must approve removal of Gate House No. 2. Gate House No. 2 is located above the area where the north basin water enters for recirculation back to Gate House No. 5, and is above drainage facilities for the north basin. Mr. Daly drew a diagram of the structure and drainage facilities.

Because of extensive rehabilitation work, DEP is developing a new contract for rehabilitation of the remaining Gate House buildings. The new contract will cover the plans for rehabilitation or removal of Gate Houses No. 2, No. 3, and No. 6. Gate House No. 6 will not be connected to the water supply system under the new distribution system.

Work on the South Basin Ramp at JPR was completed.

As previously reported, during work on the DEP Ultraviolet Disinfection (UV) Facility, DEP shut down the Catskill Aqueduct for most of January 2012. The work had no impact on the city's drinking water needs. In order to allow certain upstate communities to test equipment prior to the Catskill Aqueduct shutdown, DEP sent a small amount of water through the NCA. Some of the flow emptied into JPR's South Basin. That water is slowly draining into the local sewer system when it is not raining. Draining this basin is expected to continue in February. As previously reported, JPR is not expected to impound water for the city's distribution system until the Croton Filter Plant goes on line.

Under Contract CRO 334, work is underway to construct a concrete plug adjacent to Shaft 21 at JPR. A large crane is located over Shaft 21 to support this work. The Low Service Shaft cap work at the Shaft and Meter Chamber will follow the installation of the plug.

Ms. Argenti said there is a rumor that DEP plans to privatize Croton Filter Plant operations despite having said that DEP will operate it. Mr. Daly said that DEP staff is currently receiving training on plant operations. He suggested that the operations question be directed to Mark Lanaghan at next month's meeting.

Croton Design Change Orders – Attachment 6

Lauren Competello prepared a breakdown of design contract change orders as requested by the CFMC. The information was described briefly by Arne Fareth, who oversees Croton design for DEP. There were no questions.

Update on Croton Jobs – Attachment 7

Thomas Farrell, Construction Manager, spoke briefly on the Croton jobs report and larger purchases of Bronx-based goods and services. Messrs. Dinowitz, Foster and Koppell shared their disappointment that the Croton Filter Project has not hired more Bronx based workers. There was discussion about factors that contribute to fewer Bronx jobs including unyielding union hiring rules, and the specialized work currently underway at the Croton Filter Plant. They communicated frustration that goals for Bronx jobs have not been met.

CFMC Discussion

Mr. Foster asked Mr. Daly whether the CFMC could tour the Croton Filter Plant. Mr. Foster was asked to request a tour through Martha Holstein who will coordinate it.

The CFMC set the next meeting for Thursday, March 15th.

Mr. Foster adjourned the meeting at 9:10 pm.

<u>Name</u>	<u>Organization / Company</u>	<u>Address</u>	<u>Phone</u>	<u>Fax</u>	<u>E-Mail</u>
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Thomas Farrell, PE	URS-MP Construction Management	3701 Jerome Avenue Bronx, NY 10467	(718) 696 2000		thomas.farrell@shawgrp.com
Adam Wisneski	Riverdale Press	6155 Broadway Bronx NY	(718) 593 6500		awisnieski@riverdalepress.com
Hon. Jeffrey Dinowitz	Assembly Member	3107 Kingsbridge Avenue Bronx NY 10463	(718) 796-5345		dinowitz@assembly.nys.us.gov
Barry McLaughlin	Mosholu Golf Course Manager		(718) 655-9164		
Effie Ardizzone	Department of Environmental Protection	59-17 Junction Boulevard Flushing NY 11368	(718) 595-3493		eardizzone@dep.nyc.gov
Hector Aponte	Bronx Parks Commissioner	1 Bronx River Parkway Bronx NY	(718) 430-1801		hector.aponte@parks.nyc.gov
Arne Fareth P.E.	Department of Environmental Protection	96-05 Horace Harding Exp Flushing NY 11368	(718) 595-6189		arnef@dep.nyc.gov
Raymundo Gomez	Department of Parks & Recreation	Olmstead Center Flushing Meadows Corona Park	(718) 760 6696		raymundo.gomez@parks.nyc.gov
Martha Holstein	Strategic Urban Solutions, Inc.	335 Adams Street Brooklyn, NY 11201	(718) 625-1005 x. 223	(718) 625-1032	mholstein@urbansol.com
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Paul Foster	Community Board #7	229A East 204th Street Bronx NY 10458	(718) - 933-5650		pfoster@cb.nyc.gov
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Margot Perron	Department of Parks & Recreation	1 Bronx River Parkway Bronx NY	(718) 430- 1890		margot.perron@parks.nyc.gov
Suzanne Corber		3225 Johnson Avenue Bronx NY	(347) 275-5154		scorber@optonline.net
Karen Argenti	BCUE	PO Box 346 Bronx NY 10471	(646) 529 1990		karenargenti@aol.com

Agenda
Croton Facility Monitoring Committee Meeting
Thursday, February 16, 2012 – 7:00 PM
DEP Office – 3660 Jerome Avenue, Bronx NY 10467 - (718) 231-8470

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| I Welcome & Remarks of New Chair | Paul Foster, Chair |
| II Consider, Adopt This Meeting Agenda | CFMC Representatives |
| III Consider, Adopt 1/12/12 Meeting Minutes | CFMC Representatives |
| IV Continuation, Further Discussion about Croton Funded Parks and Costs | Hector Aponte, DPR & CFMC Representatives |
| V Construction Update, Schedule & Costs | Bernard Daly, P.E., DEP |
| VI Explanation of Croton Design Contract Increases & Change Orders | Lauren Competello, P.E., DEP |
| VII Croton Jobs & Bronx Purchases | Thomas Farrell, P.E., Construction Manager |
| VIII CFMC Discussion, Set Next Meeting | CFMC Representatives |
| IX Adjourn | |

NYC Parks & Recreation Croton Program Funding Summary as of 3/21/11(Progress updated 02/16/12)

Croton Mitigation Funding

MOU Capital Projects	Number of Contracts	Number of Projects	Dollar Value
Completed Projects	49	37	\$ 91,900,000 (Registered amount)
Projects in Construction	12	8	\$ 37,800,000 (Registered & estimated)
Projects in Procurement	6	6	\$ 14,600,000 (Estimated cost)
Projects in Design	12	11	\$ 30,600,000 (Estimated cost)
Total Projects/Contracts	79	62	\$ 174,900,000
Contingency for remaining design, procurement and construction phases			\$ 5,100,000
Sub Total MOU Capital Projects	79	62	\$ 180,000,000

ULURP/FEIS Projects	Number of Contracts	Number of Projects	Dollar Value
Complete/Registered	2	3	\$ 3,100,000
Remaining	2	1	\$ 2,950,000
Subtotal ULURP/FEIS Projects	4	4	\$ 6,050,000

Total MOU and ULURP/FEIS	83	66	\$ 186,050,000
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Other Funding Allocations to Enhance Mitigation Projects

Capital Projects	Number of Projects	Dollar Value
City Council Funded Projects	2	\$ 1,600,000
Borough President Funded Projects	1	\$ 500,000
Federal Grant Funded Projects	2	\$ 810,000
State Grant Funded Projects	1	\$ 500,000
Subtotal Other funding allocations	6	\$ 3,410,000

Grand Total Funding Parks Croton Program		\$ 189,460,000
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Note:
Projected final costs on the attached spreadsheet are estimates except for completed projects where the registered amount is used. Shaded rows indicate projects approved for additional funding.

The total number of projects is 66. The projects shown under Other Funding are included in the 66.

The contingency item in this summary (\$5,100,000) includes change orders and overruns pending registration for construction and construction contingency for projects in procurement and design.

Croton Program Overview

MOU Total Projects	-	62	
Projects Completed	-	37	(\$91,900,000)
In Construction	-	8	(\$37,800,000)
In Design/Bid	-	17	(\$45,200,000)
Construction Contingency			<u>(\$5,100,000)</u>
TOTAL Parks MOU			<u>\$180,000,000</u>

Roberto Clemente State Park		10,000,000	
NYSERDA		<u>10,000,000</u>	
Total MOU			<u>\$200,000,000</u>

ULURP/FEIS/MOA

DEP managed projects		\$17,420,000	
Parks pre-2004 Projects		\$9,100,000	Golf courses & Dickerson entrance
Other DEP funding to Parks		\$14,560,650	Forest mgmt. program & lost Parks golf revenue
Included with Parks MOU		<u>\$6,050,000</u>	3 of 4 projects completed, 1 project in progress (Phase 1 in construction, phase 2 in design)
Total ULURP/FEIS Projects		<u>\$47,130,000</u>	

Note: Elected official and grant funds add \$3,410,000 to the above Parks totals.

2/16/12 revised 2/21/12

WM-11 Croton Water Treatment Plant
Cost Summary as of 1/31/2012

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	\$104,828,471	\$1,432,528,471	8%	
CRO-312E1	Schlesinger-Siemens, LLC	\$134,680,000	\$22,099,407	\$156,779,407	16%	
CRO-312E2	Schlesinger-Siemens, LLC	\$37,678,000	\$7,604,643	\$45,282,643	20%	
CRO-312H	Durr Mechanical Construction	\$105,700,000	\$22,380,844	\$128,080,844	21%	
CRO-312P	Picone/WDF, JV	\$58,475,000	\$12,905,366	\$71,380,366	22%	
CRO-312OS-G	Picone-Schiavone, JV	\$96,842,500	\$26,420,596	\$123,263,096	27%	
CRO-312OS-E	Eldor Electric	\$15,762,500	\$1,131,356	\$16,893,856	7%	
CRO-312OS-H	AWL Industries	\$822,000	\$56,971	\$878,971	7%	
CRO-312OS-P	JPP Plumbing	\$872,000	\$163,133	\$1,035,133	19%	
CRO-312FM (1)	Maspath Supply Co. LLC	\$18,626,745	\$12,519,525	\$31,146,270	67%	
CRO-313	Schiavone/Picone, JV	\$212,227,000	-\$345,178	\$211,881,822	0%	
CRO-315G	Angelakis Construction Corp.	\$3,641,000	\$2,282	\$3,643,282	0%	
CRO-315E	Interphase Electric	\$807,317	\$144,874	\$952,191	18%	
CRO-312CE	Con Edison	\$4,074,526	\$0	\$4,074,526	0%	
TOTAL		\$2,145,568,588	\$195,467,074	\$2,341,035,662	9%	
Croton WTP Design / Construction Management Costs						
HED-543 DES	Metcalf & Eddy / Hazen and Sawyer, JV	\$44,226,000	\$224,672,648	\$268,898,648	508%	
HED-545 CM	URS/Malcolm Pirnie, JV	\$63,400,000	\$32,936,305	\$96,336,305	52%	
TOTAL		\$107,626,000	\$257,608,953	\$365,234,953	239%	

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	\$9,926,670	\$101,623,475	11%	
CRO-334E	Community Electric	\$1,119,000	\$266,375	\$1,385,375	24%	
TOTAL		\$92,815,805	\$10,193,045	\$103,008,850	11%	
Rehabilitation of the New Croton Aqueduct Construction Management Costs (2)						
TCM-CRO-334	Washington/HAKS JV	\$5,952,446	\$2,161,900	\$8,114,346	36%	
TOTAL		\$5,952,446	\$2,161,900	\$8,114,346	36%	

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.

**Contract HED-543 Engineering Design Services for Croton Water Treatment Plant
List of Registered Change Orders (2/16/12)**

Year	Contract Change Order	Description of Work	Cost	Total Contract Cost
1992	Original Contract	Design and preparation of contract drawings, specifications and estimates of construction costs in connection with the construction of Croton Water Treatment Plant at Jerome Park Reservoir, Borough of The Bronx, City of New York	\$44,226,000	\$44,226,000
1995	X-1	Additional studies on the work requested by the Jerome Park Citizens Advisory Committee: Hazardous Materials, Renovation of JPS, Need for Croton Water, Filtration Avoidance, Alternative site evaluations, etc.	\$4,298,000	\$48,524,000
1996	X-2	Value Engineering, Pilot testing (Ozone diatomaceous earth, Direct filtration, DAF, membrane	\$3,602,000	\$52,126,000
1997	X-3	Conceptual design of piloted studies, treatment process evaluation	\$7,715,000	\$59,841,000
1997	X-4	Installation and monitoring of Hypolimnetic aeration system	\$1,371,600	\$61,212,600
1998	X-5	Risk assessment, evaluation of system alternatives, Peer review	\$7,928,000	\$69,140,600
1998	X-6	VE costs after site selection, Non-Filtration alternatives, Internet site, FPR for Alum pilot plant	\$3,213,000	\$72,353,600
1999	X-7	Change of treatment process and deletion of location from contract	\$0	\$72,353,600
2001	X-8	Independent evaluation of construction costs and schedule	\$350,500	\$72,704,100
2001	X-9	Alternate water source evaluation	\$947,000	\$73,651,100
2002	X-10	Rehabilitation of NCA	\$15,572,000	\$89,223,100
2002	X-11	Funding extension for all tasks to December 2013	\$58,902,500	\$148,125,600
2003	X-12	Preliminary design for the Mosholu Golf Course site, hypo at Gate House 5, construction within the Kingsbridge armory, modifications to Mosholu Pumping Station, Environmental studies	\$7,829,500	\$155,955,100
2004	X-13	EIS for three sites	\$14,936,000	\$170,891,100
2004	X-14	DSDC for Rehab of NCA	\$2,860,000	\$173,751,100
2006	X-15	Reallocation of Remaining Funds to Mosholu Site	\$0	\$173,751,100
2007	X-16	Rephasing Construction Contracts for Croton Water Treatment Plant	\$2,668,970	\$176,420,070
2007	X-17	Development of 3D Computer Model for the Croton Water Treatment Plant	\$1,794,825	\$178,214,895
2007	X-18	Architectural Design Services for Croton WTP	\$3,853,000	\$182,067,895

2007	X-19	Additional Engineering Services Related to Design, Environmental Services and Regulatory Agency Approvals for the Croton Water Treatment Plant - Force Main, HP, Rodent Control	\$3,763,400	\$185,831,295
2007	X-20	Additional Engineering Design Services During Construction for Croton WTP to December 2009	\$12,238,000	\$198,069,295
2008	X-21	Additional Engineering Design Services, Bidding of OS, FM, HP	\$5,429,350	\$203,498,645
2009	X-22	Credit for Engineering Design Services - Unused balance due to cancelling CRO-312G2	(\$687,017)	\$202,811,628
2009	X-23	Additional Engineering Design Services During Construction for Croton WTP - Extends budget to June 2010	\$12,513,600	\$215,325,228
2009	X-24	Additional Architectural Design Services - Rebidding of OS-P, Pilot studies for residuals handling at Hunts Point, PDC submissions for Jerome Park and Gate Houses	\$3,738,900	\$219,064,128
2009	X-25	Additional Design, Permitting, Environmental, and Assistance during Bidding - Final Package 4 Design, Grimshaw cost savings analysis	\$4,293,320	\$223,357,448
2010	X-26	Additional Engineering Design and Design Services During Construction for Croton WTP to May 2012	\$34,600,200	\$257,957,648
2010	X-27	Additional Operations and Maintenance Planning and Start-up Assistance	\$8,451,000	\$266,408,648
2011	X-28	Reallocate Funding from Task 4 and Task 7 to Task 6, FDNY Permits, DEP sewer, industrial Permit	\$2,490,000	\$268,898,648

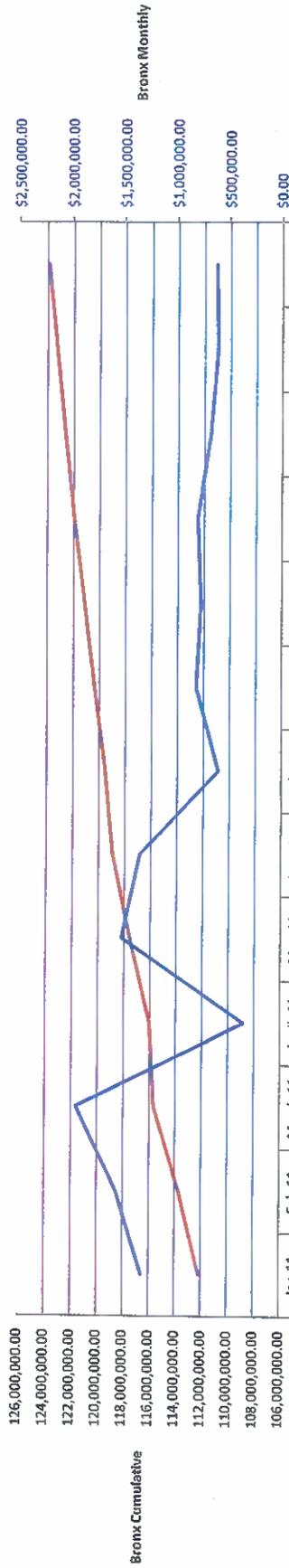
CROTON WATER TREATMENT PLANT AND OFFSITE FACILITIES AT JEROME PARK RESERVOIR



	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	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12
Bronx Workers	46	73	70	72	83	91	102	104	110	111	133	139	163	168	225	181	181	212	199	227	232	231	216	216	204	181	193	195	222	185	210	190	200	211	200	166	162	159	137	142	132	127	125	131	139	142	135	132	132
Total Workers	254	317	280	278	312	356	374	387	436	441	553	558	629	573	738	730	738	852	900	1009	1056	1048	959	912	1007	1000	1073	1027	1159	1302	1263	1182	1237	1088	994	988	1014	941	822	842	864	791	762	844	789	799	753	820	
Bronx Workers %	18%	23%	25%	26%	27%	26%	27%	27%	25%	25%	24%	25%	26%	29%	30%	29%	25%	25%	22%	22%	22%	22%	23%	24%	20%	18%	18%	19%	16%	16%	15%	15%	17%	18%	17%	16%	15%	16%	15%	16%	17%	16%	18%	17%	18%	16%	16%	16%	

Total Average Overall= 20%

Croton WTP Bronx Purchases



	Jan-11	Feb-11	March-11	April-11	May-11	June-11	July-11	Aug-11	Sept-11	Oct-11	Nov-11	Dec-11	Jan-12
Bronx Monthly Cumulative	112,164.66	113,734.24	115,690.28	116,044.51	117,572.11	118,930.37	119,538.73	120,361.88	121,140.27	121,953.42	122,643.10	123,266.67	123,902.30
Bronx Monthly Purchases	1,324,956.	1,569,586.	1,956,038.	354,230.94	1,527,594.	1,358,263.	608,360.71	823,152.36	778,382.43	813,155.14	689,680.38	623,568.26	635,631.70