

**NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN AND CONSTRUCTION
CROTON FACILITY MONITORING COMMITTEE MEETING MINUTES
THURSDAY, APRIL 19, 2012 – 7:00 PM**

The Croton Facility Monitoring Committee (CFMC) met on Thursday, April 19, 2012 at the DEP Office, 3660 Jerome Avenue, Bronx, NY 10467.

Welcome

The meeting was called to order at 7:10 pm. Chairman Paul Foster said he circulated the ULURP Resolution that approved the Croton Filter Plant to refresh everyone's memory about the CFMC's responsibilities. With these responsibilities in mind going forward, he wants the CFMC to focus on matters within the Committee's purview. He said that some meetings have ranged well beyond the CFMC's jurisdiction, and as a result, meetings take longer than necessary. Mr. Foster said members of the public will speak after the CFMC. He asked that members of the public not make speeches but instead ask a question or make a short comment.

Attending - CFMC Representatives – Attachment 1.

Hector Aponte, Bronx Borough Commissioner, Department of Parks & Recreation (DPR) and Steve DesNoyer, DPR; Mr. Foster, Chair, Community Board # 7; Bob Fanuzzi, Chair, Community Board # 8; Wilhelm Ronda, Bronx Borough President's Office; Council Member G. Oliver Koppell and Jamin Sewell, Office of Council Member Oliver Koppell; Father Richard Gorman, Chair, Community Board #12. **Not Attending:** Mark Lanaghan, Department of Environmental Protection. **Others Attending:** Assembly Member Jeffrey Dinowitz and Tom McNeal, Office of Assembly Member Dinowitz; DEP Staff; DEP Construction Manager; and a member of the public. .

Adoption of CFMC Meeting Agenda - Attachment 2.

Fr. Gorman said he asked that the proposed water rates increase be put on the agenda. Because Mr. Lanaghan was unable to attend the meeting, Martha Holstein, Construction Management, distributed the NYC Water Board's water rate increase PowerPoint presentation along with the date of the Bronx public hearing and hearings in other Boroughs. Mr. Lanaghan will speak about the impact from the Croton Filter Plant on increased water rates at the next meeting. The agenda was adopted by the CFMC.

Adoption of CFMC Meeting Minutes from February 16, 2012

Mr. Foster asked CFMC representatives for comments/changes to March's CFMC meeting minutes. Mr. Fanuzzi requested the correction of a name. Ms. Holstein said the correction was made after Bob Bender, Community Board #8, brought it to her attention. Gary Axelbank, area resident, requested the addition of Mr. Aponte's characterization of dates in the Memorandum of Understanding for completion of all parks improvements projects. After a discussion among CFMC representatives, Ms. Holstein was asked to reference Mr. Aponte's comment. With that change, the CFMC adopted the minutes, upon a motion from Mr. Ronda. Fr. Gorman abstained as he did not attend the March meeting.

Update on Public Design Commission (PDC) Approval of Jogging Path at Jerome Park Reservoir (JPR)

Mr. DesNoyer said that although additional information was submitted to PDC, the PDC decided again not to calendar the jogging path item for April 2012, seeking more details in DPR's presentation. The next meeting at which the item can be calendared is May 14th. Mr. Fanuzzi said he was skeptical that the PDC would approve the item. Mr. Koppell, Mr. Dinowitz, and Mr. Fanuzzi discussed the community's concerns about dam safety, tree removal, and the request for a NYS Department of Environmental Conservation public hearing in the Bronx on dam safety and tree removal. Questions were addressed to and answered by Mr. DesNoyer about the PDC's needs and its standard for calendaring and approving an item, and whether DEP is participating in providing information. Mr. DesNoyer said PDC wants the DPR presentation to be tight and responsive to all potential questions. He added that DEP is fully cooperating in providing information. Mr. DesNoyer cited similar PDC requirements on other items, most recently on the DPR's Coney Island Boardwalk project.

Update on Schedule, Costs, Construction Activities

Costs - Attachment 3

Mr. Daly asked if there were questions about the previously-distributed costs report. No question was asked.

Construction Update/Look-ahead – Attachment 4

Mr. Daly briefly presented the update:

Under CRO-311, although \$14 million less was spent than planned, these funds are not available for construction of a Van Cortlandt Park (VCP) pedestrian bridge over the Major Deegan Expressway (MDE). In response to Fr. Gorman's questions, Mr. Daly explained that the CRO-311 funds were allocated specifically for that contract and, if funds aren't spent, they cannot be reallocated to another project.

The CRO-312 contractors continue construction of the Croton Filter Plant structures at VCP. Most of the concrete has been placed. Work is continuing at the above ground Arrivals and Receiving Building, Chemical Fill Station and Vent Structures. Architectural features for the above ground buildings will begin next year. Installation of the 84" water main continues at the VCP front entrance driveway - the water main will be capped at Jerome Avenue and may be connected to distribution at a later time. Permanent electric power is in place at the facility from two Con Ed feeders. Con Ed is also constructing two back-up 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, which will continue during the next several months from 9pm to 6am on weekdays. Construction of on-site retaining walls continues. Continuing construction in the treatment plant structure consists of installation of mechanical, electrical, plumbing and HVAC equipment. The electrical contractor is utilizing two shifts on week nights and one shift on Saturdays. Water treatment equipment is being checked out and there are final inspections taking place in many areas of the plant. Mr. Daly said that each motor

and individual piece of equipment gets tested. DEP does not “flip a switch” and turn on the Croton Filter Plant; DEP must be satisfied that all parts of the mechanical system and other systems are operating properly, and the testing phase is rigorous.

The CRO-313 tunnel is complete. The contract is approaching its close-out. CRO-312FM Force Main restoration of the test pits is expected to begin in the next couple of months.

Construction of the Shaft and Meter Chamber at JPR, including large diameter pipes and valves under CRO-312OS, is ongoing. Concrete has been placed; mezzanine grating, drain piping and electrical work are continuing. As has often been reported, 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, is planned to take place in July and August 2012. These repairs were not in the project’s scope, but a leak in an existing water main must be fixed. Once these repairs are made, connections of the Croton water mains at the corner of Sedgwick and Goulden Avenues can begin. The dates for these water main connections are currently under review. Mr. Daly also pointed out that there are four small trees to be removed and four other small trees to be transplanted in the area of Gate House No. 7 for access to these water mains.

Mr. Daly said that it is highly unlikely that DEP will require blasting for installation of yard piping at the JPR site; the contractor has been successfully using mechanical means for excavation. Also, pipe jacking has begun through the East Reservoir Wall of JPR for a water main that will service the South Bronx.

Sluice gate replacement and upgrades are underway 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 more months to complete. The contractor for the Gate House No. 1 work is coordinating well with the DPR Aqueduct Trail contractor in shared space.

Mr. Koppell requested an updated presentation of the plans for the VCP driving range, parking area and clubhouse. He spoke about prior presentations made by Grimshaw Architects, and because additional designs have been performed since the CFMC saw the last presentation, he asked for a new presentation soon. Mr. Daly said some design elements are not yet available, and other city agencies have responsibility over some of the work. Mr. Daly will consult with DEP’s design staff, and the CFMC will be advised about how soon a Grimshaw presentation can be scheduled.

Update on Croton Jobs & Purchases --Attachment 5

In Mr. Lanaghan’s absence, Thomas Farrell, Construction Manager, spoke about the current Croton jobs report, indicating that the percentage of Bronx jobs went up although the total number of jobs has been reduced. He said that by the summer, even the

electrical contractor's work force, which has been robust, will be smaller. Mr. Foster said that the increase in Bronx jobs is a good sign, and he expressed hope that the CFMC's urging of more Bronx employees resulted in the contractors' bringing more Bronx workers onto the workforce. Mr. Foster and Mr. Koppell asked DEP to continue to make an effort for more Bronx jobs at Croton. Mr. Dinowitz said the increase in jobs this month simply brought the Bronx work force to earlier levels, as there had been a recent dip in Bronx workers.

Mr. Farrell said that the purchase of Croton goods and services from Bronx companies is now also trending lower, since the contractors have already purchased most of the material and equipment they will need to complete their work on the project.

CFMC Discussion

Mr. Koppell said the City Council Finance Committee and the City Council Bronx Delegation had been contacted about the CFMC and community's desire for funding of a pedestrian bridge over MDE. Mr. Fanuzzi said he had requested time to present this matter to the Bronx Delegation, and that Council Member Palma provided a date and time for this, which Mr. Fanuzzi will circulate to the CFMC. Mr. Koppell said the City Administration must help fund the item. He asked Mr. Aponte to obtain City Hall's support. Mr. Aponte said the pedestrian bridge was on his list. There was a further discussion and a difference of opinion about whether the pedestrian bridge was mandated as part of the Croton Filter Plant.

The CFMC then discussed the frequency of CFMC meetings. Messrs. Fanuzzi, Koppell and Fr. Gorman said they believe that monthly meetings are useful. Mr. Ronda said the Bronx Borough President supports the CFMC's consensus on this matter. Mr. Aponte said the meetings have been regularized and the dates/times are convenient, but he recommends that meetings begin on time and be limited to an hour. Mr. Foster said he would strive to have the meetings completed in an hour. He said some of the material can be provided by email instead of at meetings. The CFMC agreed not to meet in August, and scheduled the next meeting for Thursday, May 17, 2012.

Mr. Foster adjourned the meeting at 8:15 pm.

<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
Thomas McNeil	Assistant to A/M Jeffrey Dinowitz	3107 Kingsbridge Avenue Bronx NY 10463	(718) 548-8090		thomas0330@hotmail.com
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
Hector Aponte	Bronx Commissioner Department of Parks	1 Bronx River Parkway Bronx NY	(718) 430-1801		hector.aponte@parks.nyc.gov
Hon. G.Oliver Koppell	Council Member	3636 Waldo Avenue Bronx NY	(718) 549-7300	(718) 549-9945	koppello@council.nyc.gov
Paul Foster	Chairman, Community Board #7	229A East 204 Street Bronx NY 10458	(718) 933-5650		pfoster@optonline.net
Hon. Jeffrey Dinowitz	NYS Assembly Member	3107 Kingsbridge Avenue Bronx NY 10463	(718) 548-8090		dinowitz@assembly.nys.us.gov
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
Bob Fanuzzi	Chairman, Community Board #8	5676 Riverdale Avenue Bronx NY 10471	(718) 884-4740	(718) 796-2763	brxcb8@optonline.net
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
Wilhelm Ronda	Bronx Borough President's Office	851 Grand Concourse Bronx NY 10451	(718) 590 8087		wronda@bronxbp.nyc.gov
Gary Axelbank	Resident	Van Cortlandt Village	(718) 960 8707		gaxinthebronx@gmail.com

Agenda
Croton Facility Monitoring Committee Meeting
Thursday, April 19, 2012 – 7:00 PM
DEP Office – 3660 Jerome Avenue, Bronx NY 10467 - (718) 231-8470

- | | |
|---|--|
| I Welcome | Paul Foster, Chair |
| II Consider and Adopt the Meeting Agenda | CFMC Representatives |
| III Consider, Adopt 3/15/12 Meeting Minutes | CFMC Representatives |
| IV Update on JPR Jogging Path PDC Status | Hector Aponte, DPR
Steve Des Noyer, DPR |
| V Croton Construction Update, Schedule
And Costs | Bernard Daly, P.E., DEP |
| VI Croton Jobs and Bronx Purchases | Mark Lanaghan, DEP |
| VII CFMC Discussion, Set Next Meeting | CFMC Representatives |
| VIII Adjourn | |

WM-11 Croton Water Treatment Plant
Cost Summary as of 3/31/2012

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	\$128,425,621	\$1,456,125,621	10%	
CRO-312E1	Schlesinger-Siemens, LLC	\$134,680,000	\$22,393,702	\$157,073,702	17%	
CRO-312E2	Schlesinger-Siemens, LLC	\$37,678,000	\$7,306,976	\$44,984,976	19%	
CRO-312H	Durr Mechanical Construction	\$105,700,000	\$22,878,422	\$128,578,422	22%	
CRO-312P	Picone/WDF, JV	\$58,475,000	\$12,888,126	\$71,363,126	22%	
CRO-312OS-G	Picone-Schiavone, JV	\$96,842,500	\$28,396,475	\$125,238,975	29%	
CRO-312OS-E	Eldor Electric	\$15,762,500	\$1,164,551	\$16,927,051	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)	Maspeth 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	\$143,948	\$951,265	18%	
CRO-312CE	Con Edison	\$4,074,526	\$0	\$4,074,526	0%	
TOTAL		\$2,145,568,588	\$221,549,338	\$2,367,117,926	10%	
Croton WTP Design / Construction Management Costs						
HED-543 DES	Metcalfe & 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	\$76,195,713	\$139,595,713	120%	
TOTAL		\$107,626,000	\$300,868,361	\$408,494,361	280%	

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	\$21,968,018	\$113,664,823	24%	
CRO-334E	Community Electric	\$1,119,000	\$266,375	\$1,385,375	24%	
TOTAL		\$92,815,805	\$22,234,393	\$115,050,198	24%	
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.

WM-11 Croton Water Treatment Plant
 Facility Monitoring Committee
Look-Ahead Schedule
 April 19, 2012

Task	Current Forecasted Completion Date	Mar-12				Apr-12				May-12				Jun-12				Jul-12
		WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 1	WK 2	WK 3	WK 4	WK 1		
CRO-312 - Water Treatment Plant Construction at Mosholu Site Water Main Work in Jerome and Bainbridge Avenues Sewer Work in Jerome and Bainbridge Avenues (to be started following Water Main Work) Entrance Driveway Site Utility Work (Intermittent) Furnish and Install Equipment, Electrical, HVAC and Plumbing Work for Water Treatment Plant Checkout, Field Equipment Testing and Field System Testing	5/18/2012																	
	8/24/2012																	
	10/15/2012																	
	11/30/2012																	
	11/30/2012																	
CRO-312OS - Off-Site Facilities at Jerome Park Reservoir and Gate House No. 1 Shaft and Meter Chamber & Yard Piping at Jerome Park Reservoir (including Emergency Bypass) Rehabilitation Work in Gate House Nos. 2, 3, 5, 6 & 7 (Intermittent) Rehabilitation Work in Gate House No. 1 Pipe Jacking through East Reservoir Wall Mosholu Pump Station Emergency Pipe Repair in Goulden Ave.	12/17/2012																	
	12/17/2012																	
	6/8/2012																	
	9/14/2012																	
	8/31/2012																	
CRO-312FM - Residuals Force Main to Hunts Point Restoration of Test Pits Along Original Force Main Route	7/31/2012																	
	6/1/2012																	
CRO-334 - Rehabilitation of New Croton Aqueduct Construction of Plug in New Croton Aqueduct	12/14/2012																	
	6/12/2013																	
Above Grade Architectural Work at DEP Area	12/14/2014																	

CROTON WATER TREATMENT PLANT AND OFFSITE FACILITIES AT JEROME PARK RESERVOIR

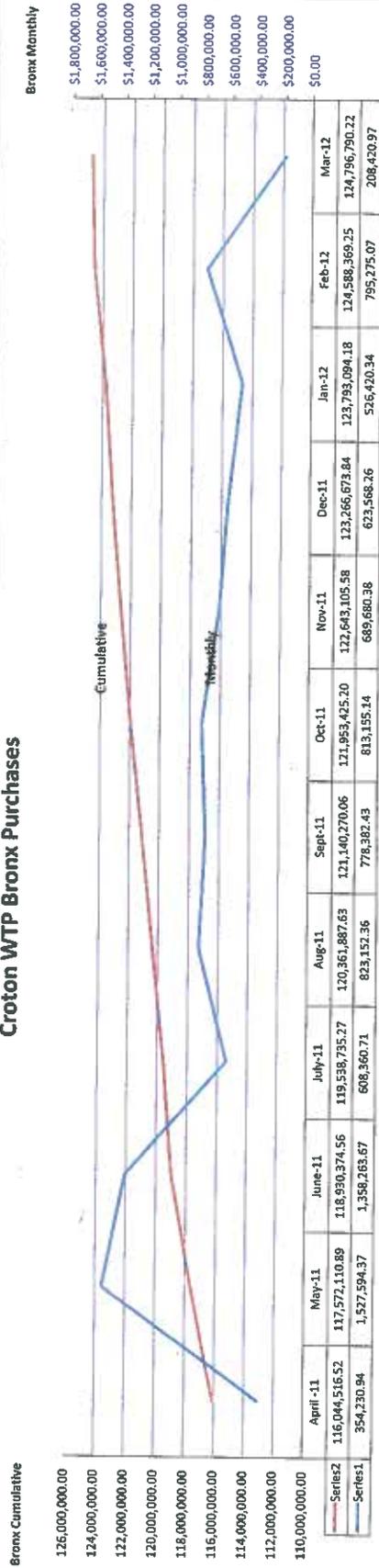


**Average
No. of
Workers
Per Day**

	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	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-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	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	121	131	
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	1003	1027	1216	1158	1263	1123	1088	994	988	1014	941	822	842	864	791	762	844	789	799	753	820	722	732			
Bronx Workers %	18%	23%	25%	26%	27%	26%	27%	27%	25%	25%	24%	25%	26%	29%	30%	25%	25%	25%	22%	22%	22%	22%	23%	24%	20%	18%	19%	18%	16%	16%	15%	17%	17%	18%	17%	16%	16%	15%	17%	16%	16%	15%	17%	16%	18%	17%	18%	16%	17%	18%	

Total Average Overall= 20%

Croton WTP Bronx Purchases



Bronx Cumulative

126,000,000.00
124,000,000.00
122,000,000.00
120,000,000.00
118,000,000.00
116,000,000.00
114,000,000.00
112,000,000.00
110,000,000.00

Bronx Monthly

\$1,800,000.00
\$1,600,000.00
\$1,400,000.00
\$1,200,000.00
\$1,000,000.00
\$800,000.00
\$600,000.00
\$400,000.00
\$200,000.00
\$0.00