

NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP)
CROTON FACILITY MONITORING COMMITTEE MEETING MINUTES
THURSDAY, JANUARY 21, 2016 – 7:00 PM

The Croton Facility Monitoring Committee (CFMC) met on Thursday, January 21, 2016 at the DEP Office, 3660 Jerome Avenue, Bronx, NY 10467.

Welcome

Chair Adaline Walker-Santiago opened the meeting at 7:09 pm. Attending were Ms. Walker-Santiago, Representing Community Board #7; Wilhelm Ronda, Representative of Borough President Ruben Diaz, Jr.; Andrew Sandler, Representative of Council Member Andrew Cohen; Daniel Padernacht, Chair, Community Board #8. From the Department of Environmental Protection (DEP) were Deputy Commissioner Eric Landau, Ibrahim Abdul-Matin and Shane Ojar. Additional DEP staff was also present. In attendance were members of the public and the local press. (Attendance is *Attachment 1*—**Note:** not everyone present signed the attendance sheet)

Ms. Walker-Santiago quickly moved to rotate the Chair of the CFMC for 2016 to Mr. Padernacht/Community Board #8. The CFMC unanimously agreed. Mr. Padernacht chaired the rest of the meeting.

Adoption of Agenda

The agenda for the meeting was adopted on a motion by Ms. Walker-Santiago, seconded by Mr. Ronda. (*Attachment 2*)

Adoption of Minutes

Before the CFMC voted to adopt the June 22, 2015 meeting minutes, area resident Gary Axelbank requested that the public review all CFMC meeting minutes in advance of their being voted on. He said that when the public is quoted, there should be an opportunity for the person quoted to affirm the quote before minutes become final. In agreement, Mr. Landau made two recommendations: (1) the June 22, 2015 meeting minutes should be tabled and shared with the public before the next CFMC meeting when they can be approved; (2) future meeting minutes should be shared with the CFMC and then the public ahead of a meeting where they will be adopted. The CFMC agreed with both recommendations, and it was decided that proposed minutes will be distributed to the public stakeholders list.

Jerome Park Reservoir (JPR) Public Access Pilot Project

Mr. Landau spoke about the DEP-hosted tours of JPR in consultation with the JPR Task Force that was formed in June. He said that each of the four public access opportunities to walk around the perimeter of JPR between the fences in November had been successful. The free tickets were all claimed – over 200 people participated, and all participants signed required waivers, checked cell phones and cameras, and respected the security procedures established by DEP and NYPD. In turn, DEP let at least one walker proceed at a very slow pace (finishing the tour beyond the time allocated) and transported by van anyone who was unable to walk the distance. Mr. Landau thanked the CFMC and

the public, and in particular, mentioned Mr. Axelbank and community representative Karen Argenti who helped with planning and outreach.

He said the tours as well as the other commitments DEP made to the CFMC in June were fulfilled.

- DEP conducted a tour of the Croton Filter Plant in Van Cortlandt Park (VCP) for the CFMC
- DEP met with the JPR Task Force over the summer and consulted with members of the Task Force to plan and implement the JPR public access opportunities
- DEP launched an expanded water education program for local students and faculty and consulted with Ms. Argenti to develop the updated education program. The program is currently running in five nearby schools with in-class instruction for students and professional development for teachers. Later in 2016, guided JPR tours will be offered to the classes. Additional schools have said they will join the program; a few have not yet responded to DEP's invitation but will be re-contacted.
- The New York City Police Department (NYPD) Counterterrorism Unit has begun a review. The outcome will be recommendations and assistance to develop a protocol for JPR security.

Following Mr. Landau's recap, there were comments and questions as well as appreciation for the weekend tours and DEP's overall cooperation.

Mr. Ronda said the tours were well managed and efficient and that Bronx Borough President Ruben Diaz, Jr. was pleased to participate. Mr. Padernacht thanked DEP for a good pilot program. He toured JPR with DEP Commissioner Emily Lloyd and subsequently ran two loops around JPR. Mr. Sandler said that Council Member Andrew Cohen also found the JPR tour helpful, and that everyone was treated with courtesy.

Mr. Landau was asked about future public access opportunities. He said the agency is reviewing the pilot program. On a preliminary basis, he said, there were no security issues. Approximately 50 DEP Police and NYPD officials were present. The total cost to DEP for the weekend events amounted to between \$40,000 - \$50,000 which, Mr. Landau said, was paid from water and sewer revenues and was seen as an appropriate expenditure. Mr. Landau added that the NYPD recommendations will take time but should be available later in 2016. Community members asked for the NYPD results sooner, rather than waiting until the end of the year. Mr. Landau said he could not make a commitment for another agency – sometimes unexpected issues and workloads affect schedules -- but said the recommendations might be available earlier. Mr. Axelbank thanked DEP for helping make the JPR weekend successful, and asked to meet with NYPD before their report is finalized. He recommended the CFMC formally request a meeting. Ms. Argenti agreed with Mr. Axelbank and said no officers with guns and no

Police dogs should be on site when students are touring JPR. Mr. Sandler asked whether changes could be made to the NYPD report and if the CFMC could have input. Mr. Landau stated that DEP would share all comments with NYPD.

Croton Costs Report and Construction Schedule

There were no questions or comments on the costs report through December 2015 (*Attachment 3*).

Bernard Daly, DEP, spoke about Croton construction (*Attachment 4*)

As he pointed out last summer, Mr. Daly said the Croton Filter Plant began operations on May 7, 2015. DEP's water management staff determines on a daily basis how much Croton water will be sent to distribution, depending on operational factors. Punch list work, including facility and outdoor lighting, signage and other details at VCP, have been in progress; DEP's work on the area landscaping at VCP was completed as planned in 2015.

Ms. Argenti asked whether the new Mosholu golf club house will have rooms set aside for community meetings and activities. Secondly, she asked about the future use of the temporary club house, and if it too can be used by the community. Finally, she asked if and when the two decorative waterfall panels along Jerome Avenue will be removed. Since these are matters for the NYC Department of Parks and Recreation and Department of Design and Construction (DDC), Mr. Padernacht said he will ask for an update from them at the next CFMC meeting. Christina Taylor, Friends of VCP, asked when the DEP construction trailers will be removed. Mr. Daly said that removal of construction trailers would be coordinated with DDC.

Mr. Daly continued with an update about JPR. He said there are additional Croton Filter Plant-related items to be completed.

The demonstration filter plant's floor slab and foundation, which had been fenced for safety (north of the Lehman College parking lot and south of Gate House No. 5) were removed, the fence eliminated, and soil and grass were installed. This area is now open to the public, and the public is using it.

At Gate House No. 6/Microstrainer Building (located at the south end of JPR), work has proceeded, and the Microstrainer Building is expected to be completely removed by the end of May. No structure will replace it.

As Mr. Daly has previously explained, Shaft 3 (at the northeast corner of JPR) is more than a century old, and there have been unavoidable delays related to new equipment and material for completing the Shaft work, which is partly located beneath Goulden Avenue and Sedgwick Avenue. A new entrance at Shaft 3/Gate House No. 7 will replace the small "Dog House" structure, which is being removed. The Maintenance and Protection of Traffic (MPT) arrangement which utilizes part of the sidewalks for construction and placed concrete barriers to guide pedestrians at Sedgwick and Goulden Avenues remains,

although by the end of February 2016 the MPT should be removed. A four foot high fence will isolate a small construction section above Shaft 3 while work continues in the Shaft through May 2016. Nighttime work on an existing water main at the corner of Sedgwick and Goulden Avenues is expected to commence in Spring 2016. The construction trailers on Goulden Avenue, south of Sedgwick Avenue and north of the Croton Distribution Chamber will be removed later in 2016.

Mr. Padernacht asked about the planned construction to repair the East Wall of JPR. He asked if DEP will drain the JPR basins during construction. Mr. Landau said these reservoir repairs should commence in 2018 and are expected to take about 2-1/2 years. DEP will likely remove water from only one basin at a time, so there could be water in a basin throughout construction. He explained that project coordination is extremely important because, when the Delaware Aqueduct is shut-down, maximum flow of Croton water will be critical. Schedules for smooth and well coordinated construction among the projects are among DEP's highest priorities.

Several CFMC members asked whether the JPR East Wall repairs and upcoming construction in various Gate Houses are part of the Croton Filter Plant project. DEP said these are separate projects. Mr. Axelbank then requested the cost and scope of the upcoming JPR work. Mr. Landau said that the CFMC could request from DEP a separate briefing at a future CFMC meeting.

New Business

Mr. Sandler said he would be leaving Council Member Cohen's office to be District Manager of Bronx Community Board #7. He thanked the CFMC and the public and said he would be keeping track of the Croton Filter Project from a different vantage point but would stay involved. Taking his place on the CFMC when Council Member Cohen cannot attend is Joshua Stephenson who is already familiar with CFMC meetings and issues.

Mr. Landau officially introduced Mr. Abdul-Matin from his staff, and said that if he is unable to attend a future CFMC meeting, Mr. Abdul-Matin would represent DEP.

Next Meeting

Mr. Padernacht said he has planned meeting dates for 2016. They are: Thursday, March 24; Thursday, May 19; Thursday, September 22; and Thursday, November 17. He requested that CFMC representatives let him know within 30 days if any of the dates present a problem.

A motion to adjourn was made at 7:59pm, and the meeting officially adjourned.

6/21/2015

NYC DEP - CROTON FMC

Attachment 1

*some persons did not sign in

<u>Name</u>	<u>Organization / Company</u>	<u>Address</u>	<u>Phone</u>	<u>Fax</u>	<u>E-Mail</u>
Isabel Angell	Riverdale Press	5676 Riverdale Avenue Bronx NY 10471	(718) 543-6065		iangell@riverdalepress.com
Karen Argenti	Bronx Council on Environmental Quality	3400 Paul Avenue Bronx NY	(646) 529-1990		kabx101@gmail.com
Joshua Stephenson	Office of Council Member Andrew Cohen	277 W. 231st Street Bronx NY 10463	(718) 549-7300		istephenson@council.nyc.gov
Daniel Padernacht	Community Board #8	5676 Riverdale Avenue Bronx NY 10471	(718) 884-4740		dpadernachtcb8@gmail.com
Nancy Arriewitz	N/A	124 Gale Place Bronx NY	(347) 326-8097		nariewitz@gmail.com
Ibrahim Abdul-Matin	Department of Environmental Protection	59-17 Junction Blvd. Flushing NY 11368	(718) 595-3843		iabdulm@dep.nyc.gov
Gary Axelbank	Sedgwick Avenue Residents	N/A	(917)576-0341		gaxmail54@gmail.com
Bernard Daly PE	Department of Environmental Protection	3701 Jerome Avenue Bronx, NY 10467	(718) 696-2000		bdaly@dep.nyc.gov
Andrew Sandler	Office of Council Member Andrew Cohen	277 W. 231st Street Bronx NY 10463	(718) 549-7300		asandler@council.nyc.gov
Martha Holstein	Strategic Urban Solutions, Inc.	335 Adams Street Brooklyn, NY 11201	(718) 625-1005		mholstein@urbansol.com
Eric Landau	Department of Environmental Protection	59-17 Junction Blvd Flushing NY 11368	(718) 595-5489		elandau@dep.nyc.gov
Adaline Walker-Santiago	Community Board #7	229/A E. 204th Street Bronx NY 10458	(718) 933-5650		awalkersantiago@cb7.nyc.gov
Wilhelm Ronda	Office of Bronx Borough President Diaz	198 East 161st Street Bronx, NY 10451	(718) 590-8087		wronda@bxbp.nyc.gov
Shane Ojar	Department of Environmental Protection	59-17 Junction Blvd Flushing NY 11368	(718) 595-4148		sojar@dep.nyc.gov
Effe Ardzzone	Department of Environmental Protection	59-17 Junction Blvd. Flushing NY 11368	(718) 595-3493		eleftheriaA@dep.nyc.gov
Brian Farrelly	Croton Construction Management	3701 Jerome Avenue Bronx NY 10467	(718) 696-2000		brian.farrelly@arcadis-us.com
Christina Taylor	Friends of Van Cortlandt Park	80 Van Cortlandt Park South Bronx NY	(718) 601-1460		christina@vancortlandt.org
Sisko Stephen	N/A	124 Gale Place Bronx NY	(718) 543-2931		<u>N/A</u>

Agenda

Croton Facility Monitoring Committee Meeting

Thursday, January 21, 2016 – 7:00 PM
DEP Office – 3660 Jerome Avenue, Bronx NY 10467 - (718) 231-8470

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|--|--------------------------------|
| I Welcome and Call to Order | Adaline Walker-Santiago, Chair |
| II Election of 2016 CFMC Chair | CFMC Representatives |
| III Consider, Adopt January CFMC Agenda | CFMC Representatives |
| IV Consider, Adopt Previous Meeting Minutes | CFMC Representatives |
| V Discussion, Jerome Park Reservoir Public Access Pilot & Education Program | CFMC Representatives & Public |
| VI Croton Costs Report & Construction Update | Bernard Daly, DEP |
| VII Old Business | CFMC Representatives & Public |
| VIII New Business | CFMC Representatives & Public |
| IX Select Next CFMC Meeting Date | CFMC Representatives |
| X Adjourn | |

WM-11 Croton Water Treatment Plant
Cost Summary as of 12/31/2015

Croton WTP Construction Costs									
Contract	Contractor Name	Original Contract Price	Registered Change Orders	Current Contract Amount	Amount Invoiced to Date	% Contract Increase	% Complete based on Amount Invoiced to Date		
CRO-311	Schiavone Construction Co.	\$127,660,000	-\$14,445,214	\$113,214,786	\$113,214,786	-11%	100%		
CRO-312G	Skanska/Tully, JV	\$1,327,700,000	\$198,543,728	\$1,526,243,728	\$1,469,288,492	15%	96%		
CRO-312E1	Schlesinger-Siemens, LLC	\$134,680,000	\$60,248,466	\$194,928,466	\$166,584,361	45%	85%		
CRO-312E2	Schlesinger-Siemens, LLC	\$37,678,000	\$14,581,041	\$52,259,041	\$46,881,173	39%	90%		
CRO-312H	Durr Mechanical Construction	\$105,700,000	\$31,627,428	\$137,327,428	\$128,616,271	30%	94%		
CRO-312P	Piccone/WDF, JV	\$58,475,000	\$17,335,338	\$75,810,338	\$72,125,622	30%	95%		
CRO-312OS-G	Piccone-Schiavone, JV	\$96,842,500	\$36,132,208	\$132,974,708	\$125,776,149	37%	95%		
CRO-312OS-E	Eldor Electric	\$15,762,500	\$4,570,378	\$20,332,878	\$18,036,464	29%	89%		
CRO-312OS-H	AWL Industries	\$922,000	\$56,971	\$878,971	\$637,594	7%	73%		
CRO-312OS-P	JPP Plumbing	\$872,000	\$238,455	\$1,110,455	\$959,100	27%	86%		
CRO-312FM (1)	Maspeth Supply Co. LLC	\$18,626,745	-\$15,138,445	\$3,488,300	\$2,432,351	-81%	70%		
CRO-313	Schiavone/Piccone, JV	\$212,227,000	-\$6,581,381	\$205,645,619	\$205,645,619	-3%	100%		
CRO-315G	Angelakis Construction Corp.	\$3,641,000	\$2,282	\$3,643,282	\$3,643,282	0%	100%		
CRO-315E	Interphase Electric	\$807,317	\$144,874	\$952,191	\$952,191	18%	100%		
CRO-312CE	Con Edison	\$4,074,526	\$0	\$4,074,526	\$4,073,526	0%	100%		
TOTAL		\$2,145,688,688	\$327,316,129	\$2,472,884,717	\$2,368,866,981	15%	96%		
Croton WTP Design / Construction Management Costs									
HED-543 DES	Metcalf & Eddy / Hazen and Sawyer, JV	\$44,226,000	\$255,269,498	\$299,495,498	\$298,008,328	577%	100%		
HED-545 CM	URS/Malcolm Pirnie, JV	\$63,400,000	\$109,317,752	\$172,717,752	\$169,889,446	172%	98%		
TOTAL		\$107,626,000	\$364,587,250	\$472,213,250	\$467,897,774	339%	99%		

Rehabilitation of the New Croton Aqueduct Construction Costs									
Contract	Contractor Name	Original Contract Price	Registered Change Orders	Current Contract Amount	Amount Invoiced to Date	% Contract Increase	% Complete based on Amount Invoiced to Date		
CRO-334G	Frontier-Kemper/Schiavone/ Picone JV	\$91,696,805	\$18,876,322	\$110,573,127	\$110,018,978	21%	99%		
CRO-334E	Community Electric	\$1,119,000	\$117,936	\$1,236,936	\$1,236,936	11%	100%		
TOTAL		\$92,815,805	\$18,994,258	\$111,870,063	\$111,255,914	20%	100%		
Rehabilitation of the New Croton Aqueduct Construction Management Costs (2)									
TCM-CRO-334	Washington/HAKS JV	\$5,952,446	\$3,190,002	\$9,142,448	\$9,115,570	54%	100%		
TOTAL		\$5,952,446	\$3,190,002	\$9,142,448	\$9,115,570	54%	100%		

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 Filtration Plant
 Facility Monitoring Committee
Look-Ahead Schedule
 January 21, 2016

Task	Current Forecasted Completion	Jan-16				Feb-16				Mar-16				Apr-16				May-16			
		WK3	WK4	WK1	WK2	WK3	WK4														
CRO-312 - Water Filtration Plant Construction at Mosholu Site	Ongoing																				
Plant in Operation Supplying Treated Water to Distribution System																					
Remaining Auxiliary Systems and Above Grade Work (except Netting Poles Nos. 1-5 and Retractable Netting System)	5/15/2016																				
Miscellaneous Change Order and Punch List Work in Plant	10/31/2016																				
Netting Poles Nos. 1-5 and Retractable Netting System	TBD																				
Golf Course Clubhouse, Driving Range, Etc.	TBD																				
CRO-3120S - Off-Site Facilities at Jerome Park Reservoir and Gate House No. 1																					
3-phase Power to Gate House No. 1	8/13/2015 (A)																				
Demolition of Demonstration Building and Restoration of Area	10/13/2015 (A)																				
Demolition of Microstrainer Building and Restoration of Area	5/31/2016																				
Shaft 3 including Restoration Work	5/31/2016																				

(A) = Actual Completion Date