



NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTEWATER TREATMENT
CSO Order on Consent
DEC Case #CO2-20110512-25 CSO Order Modification to CO2-20000107-8

Combined Sewer Overflow Order on Consent

Quarterly Progress Report – Second Quarter 2012



July 2012

City of New York
Department of Environmental Protection
Bureau of Engineering Design & Construction

CSO Order on Consent
DEC Case # CO2-20110512-25 CSO Order Modification to CO2-20000107-8

QUARTERLY PROGRESS REPORT

SECOND QUARTER 2012
(April 1 to June 30)

July 30, 2012

Table of Contents

Table of Contents	i
List of Tables	ii
1.0 Executive Summary	1-1
2.0 Construction Contracts	2-1
3.0 Detailed Description of Work Performed	3-1
3.1. <i>Alley Creek CSO</i>	3-1
3.2. <i>Inner Harbor CSO</i>	3-2
3.3. <i>Paerdegat Basin CSO</i>	3-5
3.4. <i>Flushing Bay CSO</i>	3-8
3.5. <i>Jamaica Tributaries CSO</i>	3-12
3.6. <i>Coney Island Creek CSO</i>	3-14
3.7. <i>Newtown Creek CSO</i>	3-16
3.8. <i>Westchester Creek CSO</i>	3-19
3.9. <i>Bronx River CSO</i>	3-21
3.10. <i>Hutchinson River CSO</i>	3-23
3.11. <i>Jamaica Bay CSO</i>	3-25
3.12. <i>Environmental Benefits Projects</i>	3-27
3.13. <i>Green Infrastructure Program Implementation</i>	3-30
4.0 Community Relations	4-1
5.0 Key Personnel Changes	5-1
6.0 Other Issues	6-1
7.0 Status of LTCP Development	7-1

List of Tables

Table 1 – Milestones This Quarter (Apr 2012 – Jun 2012)	1-3
Table 2 – Milestones this Quarter to be Considered for Potential Modification	1-4
Table 3 – Milestones Next Quarter (Jul 2012 – Sep 2012).....	1-4
Table 4 – Force Majeure Notifications and Outstanding Modification Requests	1-5
Table 5 – Construction Contracts and their Status.....	2-1
Table 6 – Alley Creek CSO Projects	3-1
Table 7 – Inner Harbor CSO Projects	3-4
Table 8 – Paerdegat Basin CSO Projects.....	3-7
Table 9 – Flushing Bay CSO Projects	3-11
Table 10 – Jamaica Tributaries CSO Projects	3-13
Table 11 – Coney Island Creek CSO Projects	3-15
Table 12 – Newtown Creek CSO Projects.....	3-18
Table 13 – Westchester Creek CSO Project	3-20
Table 14 – Bronx River CSO Project	3-22
Table 15 – Hutchinson River CSO Project.....	3-24
Table 16 – Jamaica Bay CSO Projects	3-26
Table 17 – 2008 and 2012 Modified CSO Consent Order Environmental Benefits Projects....	3-29
Table 18 – Green Infrastructure Program Implementation Status	3-33
Table 19 – Key DEP Personnel for Contracts Subject to the CSO Consent Order	5-1

1.0 Executive Summary

The Combined Sewer Overflow Order on Consent (DEC Case # CO2-20000107-8) was entered into by the City of New York (City), the New York City Department of Environmental Protection (DEP) and the New York State Department of Environmental Conservation (DEC) on January 14, 2005. This Order on Consent was modified on April 14, 2008, September 3, 2009, and March 8, 2012 (collectively, the “Order”). Pursuant to Section IV, Paragraph A of the Order, the City shall submit quarterly status reports to DEC (Quarterly Reports). The Quarterly Reports shall describe the actions that have been taken toward achieving compliance with this Order during the past three-month period. This Quarterly Report sets forth the status of and progress made by DEP in complying with the milestones set forth in the Order between **April 1, 2012 and June 30, 2012**.

Critical Events This Quarter

The following critical events occurred this quarter:

1. DEP certified completion of the following milestones. A copy of each Certification letter is provided in Appendix A:
 - a. Coney Island Creek Avenue V Pumping Station Upgrade and Force Mains Construction Completion, June 29, 2012 (Milestones VII.C.4 and VII.D.4);
 - b. Westchester Creek Pugsley Creek Parallel Interceptor Final Design Initiation, June 29, 2012 (Milestone IX.F.1);
 - c. Hutchinson River Waste Load Allocation Comprehensive Field Sampling Initiation, May 31, 2012 (Milestone XI.F.1), which began on May 23, 2012 in accordance with the FSAP DEC approved on May 15, 2012. DEC accepted this Certification on June 1, 2012;
 - d. Hutchinson River Green Infrastructure Demonstration Project Engineering Report Submittal, May 31, 2012 (Milestone XI.H.1). DEC approved this Certification on June 19, 2012;
 - e. Jamaica Bay Green Infrastructure Demonstration Project in 26th Ward Sewershed Notice to Proceed to Construction (Milestone XII.J.2), June 20, 2012. DEC accepted this Certification on June 21, 2012.
2. DEP issued a Notice of Force Majeure and Modification Request related to the Inner Harbor Gowanus Pump Station and Flushing Tunnel (Milestones III.F and III.G). The Notice was submitted to DEC on June 11, 2012, identifying a leak in the Flushing Tunnel at station 52+28 exposed during construction as a potential force majeure event.
3. DEP withdrew the January 2, 2012 Notice of Force Majeure related to the building collapse near the construction site of the Inner Harbor Gowanus Pump Station and Flushing Tunnel (Milestones III.F and III.G) on June 27, 2012. DEC had formally responded to the original Notice on May 2, 2012, requesting additional information.
4. DEP received DEC approval of the September 2011 Paerdegat Basin Environmental Dredging Design (Milestone IV.G.3) on June 5, 2012. DEC Region 2 issued a Notice of Permit Modification on June 13, 2012.

5. On May 16, 2012 DEC provided comments on the Flushing Bay Tallman Island WWTP Flushing Interceptor Engineering Report submitted in accordance with Milestone V.I.5.
6. Progress was made on several submittals related to the Flushing Bay Environmental Dredging Permit (Milestone V.L.1). DEC acknowledged receipt of the March 8, 2012 Benthos Sampling Work Plan on April 3, 2012, and provided comments on the March 23, 2012 Dredge Material Sampling Plan on April 2, 2012. Comments were also provided on the Sediment, Surface Water, and Porewater Sampling Work Plan on April 3, 2012. And on May 10, 2012 DEC notified DEP to expect a waiver from the dredging window requirement.
7. DEC acknowledged receipt of the Certification of Construction Completion of the Jamaica Tributaries Destratification Facility (Milestone VI.E.4) on April 2, 2012.
8. DEP issued a Notice of Force Majeure and Modification Request related to the Bronx River Floatables Control Facility (Milestone X.C.4). The Notice was submitted to DEC on April 27, 2012, identifying unforeseen bedrock encountered during construction as a potential force majeure event. On May 30, 2012 DEC provided an extension of the Construction Completion milestone date from June 2012 to August 2012 in response to the request.
9. The March 30, 2012 Modification Request to move the Bronx River Green Infrastructure Demonstration Project to the Hutchinson River was accepted by DEC on May 2, 2012. Appendix A of the CSO Consent Order was formally modified by DEC on May 30, 2012 to reflect this through the deletion of Milestones X.D.1 through X.D.4 and the establishment of the Hutchinson River Green Infrastructure Demonstration Project Milestones XI.H.1 through XI.H.4. On May 31, 2012 DEC corrected the date for Milestone XI.H.4 to April 2014.
10. DEC accepted the Certification of Construction Completion of the Jamaica Bay Hendrix Creek Dredging (Milestone XII.E) on May 3, 2012.
11. DEC provided comments on the March 30, 2012 Submittal of the Engineering Report and Design for the Jamaica Bay Green Infrastructure Demonstration Project in 26th Ward Sewershed on May 2, 2012 (Milestone XII.J.1). DEP revised and resubmitted the document on May 29, 2012, and DEC approved the submittal on June 5, 2012.
12. On May 10, 2012 DEC acknowledged receipt of eight Certifications that were submitted prior to this reporting quarter:
 - a. Flushing Bay Divert Low-Lying Sewers/Raise Weir BB-R02 Final Design Initiation, received June 30, 2011 (Milestone V.J.1);
 - b. Flushing Bay Regulator Modifications Final Design Initiation, received June 30, 2011 (Milestone V.K.1);
 - c. Jamaica Tributaries Bending Weirs Final Design Initiation, received June 27, 2011 (Milestone VI.I.1);
 - d. Newtown Creek Enhanced Aeration in Lower English Kills Final Design Completion, received June 30, 2011 (Milestone VIII.H.2);
 - e. Newtown Creek Bending Weirs/Floatables Control Final Design Initiation, received June 30, 2011 (Milestone VIII.K.1);

- f. Westchester Creek Modifications to CSO-29 and CSO-29A Final Design Initiation, received June 30, 2011 (Milestone IX.E);
 - g. Jamaica Bay 26th Ward Wet Weather Stabilization Final Design Initiation, received December 30, 2011 (Milestone XII.K.4); and
 - h. Jamaica Bay Low Level Main Sewage Pumps Final Design Completion, received October 4, 2011 (Milestone XII.K1).
13. On May 24, 2012, DEC accepted the EBP Grant Plan submitted by DEP on April 30, 2012.
14. DEP submitted a Green Infrastructure Annual Report template on April 30, 2012 which was accepted by DEC on May 22, 2012.

Major Actions This Quarter

DEP continued to make progress in the planning, design and construction of its CSO facilities during this quarter, as documented in this report. As stipulated by the Order, DEP and DEC held a Quarterly Progress Meeting on **June 12, 2012** at the **Jamaica WWTP** to discuss issues related to the Order and to review milestones met during the last quarter.

Table 1 presents the milestones that occurred this quarter. For each milestone listed in Table 1 below, either met or postponed, written notification was submitted by DEP to DEC. Table 2 presents milestones from the reporting quarter that are under consideration for potential modification.

Major Actions Next Quarter

The following major actions are expected to occur from **July 2012** through **September 2012**:

Hold the next Quarterly Progress Meeting between DEC and DEP at **a time and place to be determined**.

Table 1 – Milestones This Quarter (Apr 2012 – Jun 2012)

LOCATION / PROJECT AREA	ITEM DESCRIPTION	MILESTONE DATE	ACTION REQUIRED	STATUS
Coney Island Creek	Avenue V Pumping Station Upgrade and Force Main	Jun 2012	Construction Completion	Certified 6/29/12
Westchester Creek	Pugsley Creek Parallel Interceptor	Jun 2012	Design Initiation	Certified 6/29/12
Bronx River	Floatables Control	Jun 2012	Construction Completion	Extension to 8/31/12 granted by DEC on 5/30/12
Hutchinson River	Waste Load Allocation	May 2012	Initiate Field Sampling	Certified 5/31/12
Hutchinson River	GI Demonstration in the Hutchinson River Watershed	May 2012	Submit Engineering Report and Design	Certified 5/31/12
Jamaica Bay	GI Demonstration in 26th Ward Sewershed	Jun 2012	Notice to Proceed to Construction	Certified 6/20/12

Table 2 – Milestones this Quarter to be Considered for Potential Modification

LOCATION / PROJECT AREA	ITEM DESCRIPTION	MILESTONE DATE	ACTION REQUIRED	STATUS
Table reserved. No Milestones to be considered for modification this Quarter.				

Table 3 – Milestones Next Quarter (Jul 2012 – Sep 2012)

LOCATION / PROJECT AREA	ITEM DESCRIPTION	MILESTONE DATE	ACTION REQUIRED	STATUS
Newtown Creek	Green Infrastructure Demonstration Project in Newtown Creek Watershed	Jul 2012	Submit Engineering Report and Design	On Schedule
Bronx River	Floatables Control	Aug 2012	Construction Completion	On Schedule
Hutchinson River	Green Infrastructure Demonstration Project in the Hutchinson River Watershed	Aug 2012	Notice to Proceed to Construction	On Schedule
Jamaica Bay	26th Ward High Level Sewer Separation	Sep 2012	Submit Drainage Plan	On Schedule
Jamaica Bay	26th Ward Wet Weather Stabilization Low Level MSPs	Sep 2012	Notice to Proceed to Construction	On Schedule

Table 4 – Force Majeure Notifications and Outstanding Modification Requests

LOCATION/ PROJECT AREA	ITEM DESCRIPTION	ACTION(S)	REASON FOR ACTION(S)	MILESTONE DATE	STATUS
Inner Harbor	Flushing Tunnel Modernization	Notice of Force Majeure	Damage to 185 Columbia Street near work activities	Construction Completion Sep 2014	Notice date 1/4/ 12 withdrawn 6/27/12
Inner Harbor	Flushing Tunnel Modernization	Notice of Force Majeure	Flushing Tunnel Leak at Station 52+28	Construction Completion Sep 2014	Notice submitted 6/8/12
Newtown Creek	Enhanced Aeration in Lower English Kills	Notice of Force Majeure	Selected contractor withdrew bid	Notice to Proceed to Construction Dec 2012	Notice submitted 3/5/12
Bronx River	Floatables Control	Notice of Force Majeure and Modification Request	Unanticipated bedrock	Construction Completion June 2012	Extension to 8/31/12 granted by DEC on 5/30/12
Bronx River	GI Demonstration in Bronx River Watershed	Modification Request	Move from Bronx River to Hutchinson River watershed; extend milestone from April to May 2012	Submit Engineering Report and Design	Granted by DEC 5/2/12

Changes from the previous reporting period are shown in **bold**

2.0 Construction Contracts

The 2012 CSO Consent Order contains milestones and schedules governing the planning, design and construction of DEP's Citywide CSO Program. Numerous CSO related facilities will be constructed to reduce combined sewage discharges to the receiving waters surrounding the City. The table below provides a list of construction contracts, identified in Appendix A of the Order, necessary to fulfill the requirements of the Order. This table identifies, by percentage, the estimated amount of construction that has been completed.

Table 5 – Construction Contracts and their Status

WATERBODY	ITEM DESCRIPTION	NOTICE TO PROCEED	CONSTRUCTION COMPLETION	PROJECTED COMPLETION	% OF TIME ELAPSED	% OF CONSTRUCTION COMPLETED ⁽¹⁾
Alley Creek	CSO Retention Facility	Dec 2006	Dec 2009 ⁽²⁾	Certified Complete ⁽²⁾	100%	100%
Inner Harbor	Gowanus Flushing Tunnel Modernization	Feb 2010	Sep 2014	Sep 2014	51%	58%
	Gowanus Pump Station Reconstruction	Feb 2010	Sep 2014	Sep 2014	51%	58%
	Dredging of Gowanus Canal	TBD ⁽³⁾	TBD ⁽³⁾	TBD ⁽³⁾	-	-
Paerdegat Basin	Structures and Equipment	Sep 2005	May 2011	Certified Complete ⁽²⁾	100%	100% ⁽⁴⁾
	Dredging of Paerdegat Basin	Mar 2013	Mar 2015	Mar 2015	-	-
Flushing Bay	Tallman Island Whitestone Interceptor	Dec 2011	Jul 2015	Dec 2014	14%	3%
	Tallman Island Flushing Interceptor	TBD	TBD	-	-	-
	Divert Low-Lying Sewers / Raise Weir BB-R02	Jun 2014	Dec 2016	Dec 2016	-	-
	Regulator Modifications	Dec 2015	Jun 2018	Jun 2018	-	-
	Environmental Dredging of Flushing Bay	TBD ⁽⁵⁾	TBD ⁽⁵⁾	TBD	-	-
Jamaica Tributaries	Destratification Facility	Sep 2010	Mar 2012	Mar 2012	100%	100%
	Parallel 48-Inch Siphon / Interceptor	Dec 2013	Jun 2016	Jun 2016	-	-
	Bending Weirs	Dec 2014	Jun 2016	Jun 2016	-	-
Coney Island Creek	Avenue V Pumping Station Upgrade	Nov 2005	Jun 2012	Jun 2012	100%	100%
	Avenue V Force Main	Jul 2007	Jun 2012	Jun 2012	100%	100%
Newtown Creek	Enhanced Aeration Lower English Kills	Dec 2012	Dec 2013	Dec 2013	-	-
	Enhanced Aeration East Branch & Upper Newtown Cr	Jun 2015	Jun 2018	Jun 2018	-	-
	Enhanced Aeration Dutch Kills and Lower Newtown Creek	Dec 2016	Dec 2019	Dec 2019	-	-
	Bending Weirs / Floatables Control	Dec 2014	Dec 2017	Dec 2017	-	-

WATERBODY	ITEM DESCRIPTION	NOTICE TO PROCEED	CONSTRUCTION COMPLETION	PROJECTED COMPLETION	% OF TIME ELAPSED	% OF CONSTRUCTION COMPLETED ⁽¹⁾
	GI Demonstration in Newtown Creek Watershed	Oct 2012	May 2013	May 2013	-	-
Westchester Creek	Modifications to CSO-29 and CSO-29A	Dec 2015	Dec 2019	Dec 2019	-	-
	Pugsley Creek Parallel Interceptor start from CSO-24	Jun 2016	Dec 2019	Dec 2019	-	-
Bronx River	Floatables Control	Jun 2009	Aug 2012	Aug 2012	95%	94%
Hutchinson River	GI Demonstration in Hutchinson River Watershed	Aug 2012	Apr 2013	Apr 2013	-	-
Jamaica Bay	Hendrix Creek Dredging	Feb 2010	Feb 2012	Oct 2011	100%	100%
	Rockaway WWTP Conveyance Improvements		Dec 2017	Dec 2017	-	-
	26 th Ward HLSS Phase 1	Mar 2016	Dec 2018	Dec 2018	-	-
	26 th Ward HLSS Phase 2	Mar 2018	Dec 2020	Dec 2020	-	-
	26 th Ward HLSS Phase 3	Mar 2020	Dec 2022	Dec 2022	-	-
	GI Demonstration in 26 th Ward Watershed	Jun 2012	Dec 2012	Dec 2012	0%	0%
	26 th Ward Low Level MSPs	Sep 2012	Apr 2015	Apr 2015	-	-
	26 th Ward PST#5 and High Level MSPs	Apr 2014	Dec 2017	Feb 2019	-	-
	26 th Ward Stabilization of PSTs #1 to 4	Dec 2017	Jul 2019 ⁽⁴⁾	Dec 2019	-	-
	Rockaway WWTP Conveyance Improvements		Dec 2017	Dec 2017	-	-

Note: Changes from the previous reporting period are shown in **bold**

(1) Percentage Construction Completion is tracked based on cost incurred.

(2) DEP certified Construction Completion and DEC has performed final inspection but has not formally accepted the certification.

(3) Dredging NTP 3 years from effective date of permit; completion within 5 years of EDP.

(4) For escrow recovery; enforceable milestone is July 2020.

(5) Dredging NTP 2 years from effective date of permit (DEC and USACE); completion TBD per permits.

3.0 Detailed Description of Work Performed

3.1. Alley Creek CSO

The Alley Creek CSO Facilities Planning area includes approximately 1,975 acres within the Tallman Island Wastewater Treatment Plant (WWTP) service area that discharges to Alley Creek in northeastern Queens. The Consent Order projects are constructed under contracts ER-AC1 and AC2, which include the following items:

- ◆ A 5 MG CSO storage facility to capture discharges from Outfall TI-008 just south of Northern Boulevard on the west bank of Alley Creek
- ◆ A double-barrel outfall sewer and outfall structure
- ◆ Upgrading the Old Douglaston Pumping Station
- ◆ Rehabilitation of Outfall TI-008 and restoration of a 1.51-acre surrounding area
- ◆ Additional water mains, stormwater sewers, and combined sewers.

DEP Certified Construction Completion of the Alley Creek CSO Facility on June 27, 2011. The facility was certified as being operational as of March 11, 2011.

No Planning, Design, or Construction Work Performed During This Quarter

The facility was certified as being operational as of March 11, 2011.

Table 6 – Alley Creek CSO Projects

<i>Phase I, Stage 2</i>	
<i>Contract ID</i>	ER – AC2
<i>Plan Elements</i>	Alley Creek CSO Abatement Facilities
<i>Location</i>	Northern Boulevard and Alley Park in Bayside, Queens
<i>Actions</i>	Construction of CSO abatement facilities, including modifications to the Old Douglaston Pumping Station; hydraulic control structures and facilities to activate the 5 MG CSO storage facility constructed under Phase I, Stage 1; and rehabilitation of the CSO Outfall TI-008 structure.
<i>Cost</i>	\$35,629,594
<i>Status</i>	Construction Completed
<i>Other Issues</i>	

3.2. Inner Harbor CSO

The Inner Harbor CSO Facility Planning area consists of the drainage areas of the North River, Newtown Creek, and Red Hook Wastewater Treatment Plants (WWTPs) and their associated sewers and pumping stations. The receiving waters of the study area include the Lower East River, Hudson River, Upper New York Bay, and Gowanus Canal and Bay. The Consent Order projects are constructed under contracts CSO-DRDG/DRG-GC and CSO-GCER, which include the following items:

- ◆ Environmental dredging in approximately 825 feet of the head end of Gowanus Canal to a final water depth of 3.0 feet below mean lower low water
- ◆ Gowanus Canal Pumping Station reconstruction to improve operational reliability and to redirect flow directly to the Columbia Street Interceptor via a new force main to be constructed within the Flushing Tunnel.
- ◆ Rehabilitation of the Gowanus Flushing Tunnel to eliminate shutdowns during low tide and many maintenance operations with the installation of a new pumping system with redundant, interchangeable pumps.

Gowanus Canal was added to the US EPA Superfund National Priorities List (NPL) on March 2, 2010. According to EPA, placing the Gowanus Canal on the list allows the Agency to further investigate contamination at the site and develop an approach to address the contamination.

No Design Work Performed During This Quarter

Construction Work Performed During This Quarter

- Gowanus Canal – Rehabilitation of Flushing Tunnel and Reconstruction of Gowanus Pump Station
 - The Interim Wastewater Pumping System continued operation.
 - Flushing Tunnel: Dewatering of the Flushing Tunnel continued this period to maintain water levels within the tunnel. Removal of the force main and concrete cradle at the Tunnel west of the Exit Chamber occurred. Change Order CSO-GC-G-034 was negotiated for the installation of additional concrete for the Flushing Tunnel Invert. An additional 100 CY was placed at three of the four low spots required by Change Order 34.
 - Flushing Tunnel Building: Concrete work within the motor pit continued in the Flushing Tunnel Building. The additional jet grout mat required under Change Order CSO-GC-G-028 was installed, as well as three (3) additional columns. Jet grouting was completed on June 20, 2012. Drilling for cores required for the QA/QC program commenced on June 24, 2012.
 - Force Main: Removal of the existing force main piping was completed and removal of the concrete cradle is ongoing. This work was temporarily stopped due to a tunnel leak at Station 52+28. DEP submitted a Notice of Force Majeure to DEC on June 8, 2012, identifying this leak as a potential force majeure event. Additional steel plates and

concrete were installed to secure the area where the leak occurred. The tracks for the locomotive were installed to span the repair area so that removal of concrete rubble could continue. The installation of 149 l.f. of sliplined 33-inch FRPMP force main piping from the Cleanout Chamber to the Exit Chamber was completed, and force main piping installation within the Flushing Tunnel began at Station 37+70.

- Wastewater Pumping Station: Rubbing and patching of concrete walls and slabs continued in the Wastewater Pumping Station. The installation of the 30-in ductile iron force main piping and valves within the pump station began. Reinforcing steel and concrete were placed for the elevation 10.75 slab. The E and P Contractors installed conduits and sleeves in the slab.
- Service Building: Structural work continued in the Service Building on floor slabs, equipment pads, and masonry walls. The installation of spray fireproofing for the beams and columns began. Conduit sleeves and hangars were installed. The installation and testing of underslab piping for the garage floor drains was completed. Metal stairs were installed. Roof drain piping was installed at the second floor. The curbs required for the HVAC rooftop equipment were set. Three 27 kVa transformers and associated network protector equipment were received from Con Edison and installed in the vault.

Anticipated Construction Activities for Next Quarter

- Gowanus Canal – Rehabilitation of Flushing Tunnel and Reconstruction of Gowanus Pump Station
 - The Interim Wastewater Pumping System will continue operation.
 - Flushing Tunnel: Dewatering will continue
 - Flushing Tunnel Building: Continue concrete work within the motor pit. Install additional steel plate masonry stabilization inside the building. Commence excavation inside the building for new concrete intake structure for the Flushing Tunnel Pumping system.
 - Force Main: Complete the demolition and removal of the Force Main concrete cradle at the between STA 38+00 to STA 52+00. Continue installation and testing of 33-inch FRPMP force main pipe from the Exit Chamber access.
 - Wastewater Pumping Station: Continue with the installation of force main piping inside the building. Continue masonry work. Installation of submersible concrete pump bases and slider brackets. Removal of existing Tide Gate No. 1 and installation of new Tide Gate No.1.
 - Service Building: Structural work will continue. Commence installation of roof. Install conduit, piping and ductwork at the first and second floors. Begin brick veneer masonry work.
 - Continue installation of Con Edison Network Protection equipment

Table 7 – Inner Harbor CSO Projects

	<i>Dredging of Gowanus Canal</i>	<i>Gowanus Canal Pumping Station and Flushing Tunnel</i>
<i>Contract ID</i>	CSO-DRDG/DRG-GC	CSO-GC
<i>Plan Elements</i>	Dredging Gowanus Canal Head End	Rehabilitation of Pumping Station and Flushing Tunnel
<i>Location</i>	Gowanus Canal	Gowanus Pumping Station Property Brooklyn
<i>Actions</i>	Design on hold pending JAP Approval	Wastewater Pumping Station and Flushing Tunnel Pumping System upgrades
<i>Construction Cost</i>	\$13,100,000	\$147,490,441
<i>Status</i>	Contract procured. Design initiated.	In Construction
<i>Other Issues</i>	Design on hold pending JAP Approval.	

3.3. Paerdegat Basin CSO

The Paerdegat Basin CSO Facility Planning area includes the portion of the Coney Island WWTP service area, associated sewers, and pumping stations that discharges to Paerdegat Basin in Brooklyn. The Consent Order projects are constructed under contracts CSO-5 and CSO-DRDG, which include the following items:

- ◆ The Paerdegat Basin CSO Retention Facility, located at the intersection of Flatlands and Ralph Avenues. The facility receives combined sewer overflows from outfalls CI-004, CI-005, and CI-006 serving approximately 6,000 acres of Brooklyn. The facility consists of a four bay underground storage tank and operations buildings. The stored CSO is pumped back to the Coney Island WWTP for treatment after each rain event.
- ◆ Environmental dredging in the head end of Paerdegat Basin to a final water depth of 3.0 feet below mean lower low water

Design Work Performed During This Quarter

- Environmental Dredging
 - DEP received DEC Approval of the final design for Paerdegat Basin Dredging on June 5, 2012.
 - The Permit Modification, with conditions, was received on June 13, 2012.
 - DEP responded to DEC's further Requests for Information on the Final Design related to scour protection (January 17, 2012 –present).
 - DEP Legal has approved the Final Design Package. Bid documents are being prepared.

Construction Work Performed During This Quarter

- Phase III - Structures and Equipment
 - All contract work was found to be substantially complete on August 5, 2011 with only change order work, minor punchlist work and warranty repairs remaining.
 - All contractors have continued turnover of final operation and maintenance (O&M) documents, as-built drawings and final copy working drawings.
 - The 5G contractor performed the following work: completed removal of onsite office complex; continued repairs in the Five Barrel; completed change order security system modifications and continued performing punchlist work.
 - The 5E contractor continued performing banding, labeling and tagging; completion of installation of light poles on the east side; continued troubleshooting of the Electrical Power Monitoring Control System.
 - The 5H contractor continued performing punch list on the Boilers and throughout the Process Buildings.

- The 5P contractor continued performing punch list on the Boilers and throughout the Process Buildings.
- Environmental Dredging
 - Negotiating Construction Management Contract.

Anticipated Design Activities for Next Quarter

- Environmental Dredging
 - Continue procurement process for environmental dredging construction contract.
 - Continue to respond to DEC Requests for Information on Final Design in order to obtain permit approval.

Anticipated Construction Activities for Next Quarter

- Phase III - Superstructures and Equipment
 - All contractors will continue to turnover O&M Manuals, as-built drawings and final copy working drawings.
 - The 5G contractor will complete punch list work; perform warranty work in the Process Buildings as needed; complete remaining work at the 5-Barrel now that the change order repair work will be partially rescinded and complete installation of vehicle fueling station.
 - The 5E contractor will finalize Electrical Power Monitoring Control System; continue performing punch list and warranty work in the Process Buildings as needed; finalize light pole foundations for tank roof and complete lightpole installation.
 - The 5H contractor will continue performing punch list and warranty work in the Process Buildings as needed; and complete balancing work in the Existing Pump Station.
 - The 5P contractor will complete all punch list documentation and perform warranty work in the Process Buildings as needed.
- Environmental Dredging
 - Advertise and award construction contract.

Table 8 – Paerdegat Basin CSO Projects

	<i>Phase III</i>	<i>Dredging</i>
<i>Contract ID</i>	CSO - 5	CSO - DRDG
<i>Plan Elements</i>	Structures and Equipment	Environmental Dredging
<i>Location</i>	West Shore of Paerdegat Basin	Head end of Paerdegat Basin
<i>Actions</i>	Minor punchlist and warranty work on aboveground structures and buildings	Dredge bottom sediments to finish depth of three ft below MLLW
<i>Construction Cost</i>	\$ 207,324,114	\$17,611,000
<i>Status</i>	Construction complete	DEC issued Permit on 3/19/10 and approved DEP's modification request with conditions on 6/13/12.
<i>Other Issues</i>	Five Barrel Outfall repairs were more extensive than anticipated; additional work will not be performed under CSO-5 contract; DEC inspection has begun with final item completion expected 8/9/12.	Bid documents being prepared. NTP Construction Milestone is March 2013

3.4. Flushing Bay CSO

The Flushing Bay CSO Facility Planning area includes the portions of the Tallman Island WWTP and the High Level Interceptor of the Bowery Bay WWTP drainage areas, associated sewers, and pumping stations that discharge to Flushing Bay and Flushing Creek in Queens. The Consent Order projects are constructed under contracts TI-WW-1, EE-DSGN-4, CS-FB-LLD, CS-FB-BWR, and CSO-DRDG, which respectively include the following items:

- ◆ Tallman Island Whitestone Interceptor
- ◆ Tallman Island Flushing Interceptor
- ◆ Diversion of low-lying sewers and raising of the weir at BB-R02
- ◆ Regulator Modifications
- ◆ Environmental dredging of Flushing Bay

Design Work Performed During This Quarter

- Tallman Island Flushing Interceptor
 - DEP Certified Completion of the Report and Milestones Submittal on March 30, 2012.
 - Contractor submitted proposal to DEP for performing diving inspection to determine the condition of the bottom and sides of the sewer. Inspection and cleaning protocol will be submitted to DEC for approval. Revised engineering report will be submitted by November 16, 2012 as required.
- Divert Low-Lying Sewers/Raise Weir BB-R02
 - The basis of design report (BODR) was reviewed and comments were incorporated. Approval of the BODR is pending.
 - Design of the sewers and drop structures began.
 - Regulator modification drawings were prepared.
 - A preliminary list of specifications was prepared.
 - The need for additional field surveys was identified during this period.
- Regulator Modifications
 - Continued structural inspections and as-built verifications for 6 regulators
 - Continued work on the Basis of Design Report.
- Environmental Dredging
 - Continued field work (topographic survey, wetland delineation).
 - Completed the development of conceptual design and Basis of Design Report; commenced 30% design.
 - Continued work on environmental review and planned for development of JAP.

- DEC approved the Intertidal and Subtidal Benthos Sampling Work Plan on April 3, 2012. Sampling was completed during April 2012.
- Received waiver from DEC for seasonal restrictions for both Winter Flounder and Striped Bass on May 10, 2012.
- DEC approved the Sediment, Surface Water and Pore Water Sampling Work Plan on April 3, 2012. Sampling was completed during May 2012.

Construction Work Performed During This Quarter

- Tallman Island Whitestone Interceptor
 - Completed pre construction activities including Test Pits and investigatory geotechnical borings June 2012.
 - Held DEC walk-through of site to delineate wetland and adjacent area May 2012.
 - Completed soil sampling and in-situ testing June 2012.
 - Received work and forestry permits from the City Department of Parks and Recreation (DPR) to begin work in Powell's Cove Park June 2012.
 - Submitted NOI to DEC to begin coverage under the General SPDES Permit in June 2012.
 - Issued Design Modification 2 on June 20, 2012.
 - Obtained construction phase dewatering permits April 2012
 - Utilities completed relocation of existing overhead electrical lines and underground gas mains at 11th avenue between 130th and 132nd streets May 2012.
 - Began mobilization to Powell's Cove Park June 2012.

Anticipated Design Activities for Next Quarter

- Tallman Island Flushing Interceptor
 - Developing an inspection protocol for diving inspection and submitting to DEC for review.
- Divert Low-Lying Sewers/Raise Weir BB-R02
 - Obtain approval of the BODR and begin final design phase of the project.
 - Submit preliminary design documents.
 - Obtain comments and approval of the preliminary design documents.
 - Conduct additional field surveys.
 - Start 90% design.
- Regulator Modifications
 - Complete regulator inspections.
 - Continue BODR.

- Environmental Dredging
 - Submit Habitat Characterization Study for Winter Flounder and Striped Bass to DEC.
 - Complete BODR.
 - Complete field work.
 - Continue work on environmental review and JAP.
 - Meet with DEC Staff to further discuss wetland impact/mitigation and capping approaches.

Anticipated Construction Activities for Next Quarter

- Tallman Island Whitestone Interceptor
 - Continue mobilization to Powell's Cove Park
 - Begin dewatering system installation
 - Complete investigatory Test Pits
 - Begin work for new connection chamber at Tallman Island WPCP

Table 9 – Flushing Bay CSO Projects

	<i>Tallman Island Whitestone Interceptor</i>	<i>Tallman Island Flushing Interceptor</i>	<i>Divert Low- Lying Sewers / Raise Weir BB- R02</i>	<i>Regulator Modifications</i>	<i>Environmental Dredging of Flushing Bay</i>
<i>Contract ID</i>	TI-WW-1	EE-DSGN-4	CS-FB-LLD	CS-FB-BWR	CSO-DRDG
<i>Plan Elements</i>	New section of Whitestone Interceptor; Regulators 10, 10A and 13	Address Flushing Interceptor sag in Ulmer Street	Divert Low Lying sewers in the vicinity of Bowery Bay WWTP. Raise the weir at regulator BB - 02	Bowery Bay High Level Interceptor regulator modifications at 10 regulators	Environmental Dredging
<i>Location</i>	From existing junction chamber at 11 th Ave / 130 th St to the WWTP, College Point, Queens	From MH 45 at Whitestone Expressway to MH 29 at Ulmer Street and 25 th Avenue	Regulator BB-02. Berrian Boulevard and 19 th Ave between 43 rd St. and 45 th St.	Six of ten regulators along 108 th street, Ditmars Blvd and the LaGuardia Airport site.	Within proximity of Outfalls BB006 and BB008
<i>Actions</i>					Dredge bottom sediments to finish depth of 3 ft below MLLW
<i>Cost</i>	\$22,071,512	\$139,000	\$2,700,000	\$21,500,000	TBD
<i>Status</i>	Construction NTP Issued December 22, 2011	Draft Report submitted to NYSDEC for review	In Design	In Design	Conceptual Design complete; 30% design underway. JAP due 12/31/2012.
<i>Other Issues</i>	-				None

3.5. Jamaica Tributaries CSO

The Jamaica Tributaries CSO Facility Planning area includes the drainage area of the Jamaica WWTP and its associated sewers and pumping stations. The receiving waters of the study area are Bergen, Thurston, Shellbank, and Hawtree Basins, which are located along the eastern shore of Jamaica Bay on either side of JFK International Airport. The Consent Order projects are constructed under contracts CSO-JT-SB, CS- JA-BBS, and CS-JA-BWR, which include the following items, respectively:

- ◆ The Destratification Facility, a permanent diffused-air bubble mixing system at Shellbank Basin designed to eliminate temperature stratification during the summer season, which leads to poor water quality conditions in the basin, odors and marine life kills.
- ◆ A Parallel 48-inch sewer under the Belt Parkway to complement the existing 36-inch double barrel Belt Parkway crossing in the West interceptor.
- ◆ Bending Weirs at regulators J3 and J14 in the West Interceptor and J6 in the East interceptor drainage area.

Design Work Performed During This Quarter

- Parallel 48-inch Siphon/Interceptor
 - A new design subconsultant with microtunneling experience was brought onboard to work on this project. Upon reviewing the BODR, the new subconsultant identified certain project risks. In response to concerns for these project risks, an Addendum to the BODR was developed to mitigate some of the project risks.
- Bending Weirs
 - The BODR was completed, and a review workshop was held to discuss review comments from various groups. Final BODR has been submitted for approval.

Construction Work Performed During This Quarter

- Destratification Facility
 - DEP Certified Construction Completion on March 30, 2012. A 10-day start-up test was completed in May. The facility has been placed into operation.

Anticipated Design Activities for Next Quarter

- Parallel 48-inch Siphon/Interceptor
 - Review BODR with new team member.
 - Obtain approval of Addendum to the BODR.
 - Begin the Design Phase with tunneling specialist.
 - Prepare the Environmental Assessment Statement for the project.
- Bending Weirs
 - Obtain approval of BODR and commencement of Design Phase.

Anticipated Construction Activities for Next Quarter

- Destratification Facility
 - DEC final acceptance of Certification of Construction Completion.

Table 10 – Jamaica Tributaries CSO Projects

	<i>Destratification Facility</i>	<i>Parallel 48-inch Siphon / Interceptor</i>	<i>Bending Weirs</i>
<i>Contract ID</i>	CSO-JT-SB	CS-JA-BBS	CS-JA-BWR
<i>Plan Elements</i>	Destratification	Parallel 48-inch Sewer	Bending Weirs
<i>Location</i>	Shellbank Basin Queens	Belt Parkway Queens	Regulator J6 on the East Interceptor and regulators J3 and J14 on the West Interceptor
<i>Actions</i>	Construct Permanent Facility	Design and construct system upgrades	Design and construct system upgrades
<i>Construction Cost</i>	\$2,621,918		
<i>Status</i>	Construction	Planning Phase of Design	Planning Phase of Design
<i>Other Issues</i>			

3.6. Coney Island Creek CSO

The Coney Island Creek CSO Facility Planning area includes the drainage area of CSO Outfall OH-021, approximately 2,900 acres within the Owls Head WWTP service area in Brooklyn. Outfall OH-021 discharges into Coney Island Creek approximately midway between its head end and the mouth. The Consent Order projects are constructed under contracts PS-79G, PS-79H, PS-79P, PS-79E, and PS-79F, which include the following items:

- ◆ Upgrade of Avenue V Pumping Station to increase the wet weather pumping capacity; and
- ◆ Construction of Avenue V Force Mains to provide additional conveyance to the increased pumping station capacity.

Construction Work Performed During This Quarter

- Avenue V Pumping Station Upgrade
 - Certified Construction Completion June 29, 2012.
 - Wet Well: Completed supports and painting for all discharge piping, removal of bulkheads and steel stop logs, level indicator devices. Commenced decommissioning of the temporary bypass system B, cleaning operations, and pumping of raw sewage.
 - Main Building: Completed New Control Room ceiling, pressure gauge installation, UPS installation, drain line for relief piping, south side stairs structural repairs, flow meters, bridge crane, equipment testing (VFD's, Grinders and Pumps etc), force main connection work, various electrical conduits and wires installation including terminations, Low Voltage Switchgear and MCC testing, Pump Station SCADA system, areaway plenums, refrigerant piping, condensate drain lines for CRAC units, motor operated dampers, CRAC's start up (1, 2 & 3) and LCP installation, CSF dampers and connection between HV-1 exhaust and Areaway plenum in MER, insulation system for HVAC equipments, water meter, inspection and testing of gas piping. Resumed terra cotta work activities, repairs/painting of existing hand rails, Valve Room sump pump and piping, cast iron restoration work, field training and lesson plans
 - Generator Building: Completed brick work, roof asphaltic shingles, day tank, acoustic enclosure, louvers, Outdoor Generator delivery, Paralleling Switchgear, Indoor and Outdoor Generators testing, disconnect switch and 500 MCM cable installation, muffler installation, wiring terminations, ductwork. Commenced with door/frame installation, heat sensors and detectors, fire stopping for HVAC and electrical equipments, wire pulling for control.
 - Network Protection Structure: Completed roof asphaltic shingles, sump pumps. Energized the system. Process system in operation.
 - Site work: Commenced construction of perimeter wall, yard pavement installation, curb/sidewalk and road base installation.
- New Force Mains

- Certified Construction Completion June 29, 2012.
- Continued Punch List items.

Anticipated Construction Activities for Next Quarter

- Avenue V Pumping Station Upgrade
 - Flood testing for Main Building Roof/complete promenade tiles, interior tiles, Control Room restoration, gutters and down spouts cast iron restoration work, windows and doors installation, garden roofing system installation, wing wall construction, terra cotta work, doors installation, flag poles, grading and paving, catch basins and basin connection, perimeter wall and ornamental fence installation, temporary piping decommissioning, Sprinkler system work, interior telephone and EMCS connection work, fire alarm system, completed activities related to electric unit heaters/exhaust fans/controls, Pump Station interior and site lighting, emergency discharge lines, demo temporary electrical power, Generator Building painting,
- New Force Mains
 - Punch list activities.

Table 11 – Coney Island Creek CSO Projects

	<i>Avenue V Pumping Station Upgrade</i>	<i>Avenue V Force Mains</i>
<i>Contract ID</i>	PS-79G, H, P, E	PS-79F
<i>Plan Elements</i>	Upgrade Pumping Station	42-inch and 48-inch force mains
<i>Location</i>	Avenue V and West 11th Street Brooklyn	Shore Parkway to Regulator 9A Brooklyn
<i>Actions</i>	Comprehensive upgrade to automate and increase station capacity to 80 MGD; Lower Wet Well operating level to reduce sewer surcharges; Network Protector Structure to reliably transform utility power; Generator system to improve station reliability; Architectural restoration of Main Building to 1915 appearance	New force mains to convey dry and wet weather flow
<i>Construction Cost</i>	\$79,622,409	\$ 114,692,767
<i>Status</i>	Certified 6/29/12	Certified 6/29/12
<i>Other Issues</i>		

3.7. Newtown Creek CSO

The Newtown Creek CSO Facility Planning area includes the portions of the Newtown Creek WWTP and the Low Level Interceptor of the Bowery Bay WWTP drainage areas that discharge to Newtown Creek, English Kills, Dutch Kills, Whale Creek, Maspeth Creek and the East Branch along the Brooklyn-Queens border. The Consent Order projects are constructed under contracts CSO-NC-2, CSO-NC-3, CSO-NC-4, CS-NC-REG & FLO, GBNC15-05, which include the following items:

- ◆ Enhanced Aeration in the Lower English Kills
- ◆ Enhanced Aeration in East Branch and Upper Newtown Creek
- ◆ Enhanced Aeration in Dutch Kills and Lower Newtown Creek
- ◆ Bending Weirs / Floatables Control
- ◆ Green Infrastructure Demonstration project in the Newtown Creek watershed

Newtown Creek was added to the US EPA Superfund National Priorities List (NPL) on September 29, 2010. According to EPA, placing Newtown Creek on the list allows the Agency to further investigate contamination at the site and develop an approach to address the contamination.

Design Work Performed During This Quarter

- Enhanced Aeration
 - Completed the permit application for Individual Permit with Public Notice as required by the US Army Corps of Engineers (USACE) for the Enhanced Aeration in Lower English Kills project. Also responded to comments from the public notice. Currently awaiting USACE's decision on the permit.
 - A Phase 2 Environmental Assessment of the proposed location for the Blower Building for the Enhanced Aeration in East Branch and Portions of Newtown Creek Enhanced Aeration proposed location for the Blower Building was conducted. The Basis of Design Report (BODR) was also developed for this project, and is currently under review.
 - For the Enhanced Aeration in Dutch Kills and Portions of Newtown Creek project, the Borden Ave. Pump Station is being investigated as a potential site to house the aeration system.
- Bending Weirs and Floatables Control
 - Submitted draft BODR.
 - Conducted BODR workshop.
 - Completed Radiological assessment report.
- Green Infrastructure Demonstration Project in Newtown Creek Watershed

- Updates on the GI Demonstration Project are discussed in the Green Infrastructure Section of this report.

Anticipated Design Activities for Next Quarter

- Enhanced Aeration
 - Register the Enhanced Aeration in Lower English Kills contract once the USACE Individual Permit is obtained.
 - Review the Phase 2 Environmental Assessment Report for the proposed location of the blower Building for the Enhanced Aeration in East Branch and Portions of Newtown Creek project. Obtain approval of the BODR and advance the project into the Design Phase.
 - Start development of the BODR for the Enhanced Aeration in Dutch Kills and Portions of Newtown Creek project.
- Bending Weirs and Floatables Control
 - Submit final Basis of Design Report for review.
 - Complete surveying, geotechnical and related work.
 - Prepare 30% design.
- Infrastructure Demonstration Project in Newtown Creek Watershed
 - Updates on the GI Demonstration Project are discussed in the Green Infrastructure Section of this report.

Table 12 – Newtown Creek CSO Projects

	<i>Enhanced Aeration 1</i>	<i>Enhanced Aeration 2</i>	<i>Enhanced Aeration 3</i>	<i>Bending Weirs / Floatables Control</i>
<i>Contract ID</i>	CSO-NC-2	CSO-NC-3	CSO-NC-4	CS-NC-REG & FLO
<i>Plan Elements</i>	Enhanced Aeration	Enhanced Aeration	Enhanced Aeration	Floatables Controls and Overflow Reduction
<i>Location</i>	Lower English Kills	East Branch and Upper Newtown Creek	Dutch Kills and Lower Newtown Creek	Dutch Kills, Maspeth Creek, English Kills and East Branch
<i>Actions</i>	Construction contract has been bid, but the low bid has been withdrawn.	The design of the blower building and aeration system continues.	The design of the blower building and aeration system continues	Evaluating Bending weirs, baffles, screen to reduce overflows/floatables
<i>Construction Cost</i>	\$1,738,412	\$17,180,731	\$17,300,412	\$25 Million (Planning Estimated)
<i>Status</i>	Construction Bid	Design	Design	Final BODR being prepared
<i>Other Issues</i>	Notice of Force Majeure submitted; winning bidder withdrew			Radiation (legacy thorium) conditions at St. Nicks Weir and Regulator B-1 sites.

3.8. Westchester Creek CSO

The Westchester Creek CSO Facility Planning area includes the portion of the Hunts Point WWTP drainage area, its associated sewers, and pumping stations that discharges to Westchester Creek and Pugsley Creek in the Bronx. The Consent Order projects are constructed under contracts CS-ER-WCM and CS-ER-WCP, which respectively include the following items:

- ◆ Modifications to CSO-29 and CSO-29A to increase conveyance to the WWTP and reduce discharges from Outfall HP-014
- ◆ Pugsley Creek Parallel Interceptor to increase conveyance to the WWTP and reduce discharges from Outfall HP-013

Design Work Performed During This Quarter

- Modifications to CSO-29 and 29A
 - 3- and 5-year drainage plan flows were refined using the detailed global method.
 - Completed geotechnical field investigations and prepared the Geotechnical Data Report and Preliminary Geotechnical Report describing subsurface soils at CSO-29A and CSO-29.
 - Completed baseline survey showing location of existing utilities in the project area of relief structures CSO-29A and CSO-29.
 - Completed CFD modeling of existing relief structures CSO-29A and CSO-29 using 3-year Drainage Plan flows.
 - Prepared Level 4 cost estimates associated with the construction at CSO-29A and CSO-29.
 - Continued development of BODR.
- Pugsley Creek Parallel Interceptor
 - The drainage plan amendment was finalized on June 26, 2012.
 - Topographic survey ordered June 28, 2012.

Anticipated Design Activities for Next Quarter

- Modifications to CSO-29 and 29A
 - Submittal and review of BODR.
 - Proceed with Design Activities.
- Pugsley Creek Parallel Interceptor
 - Commence topographic survey.
 - Continue with design activities.

Table 13 – Westchester Creek CSO Project

<i>Modifications to CSO-29 and CSO-29A</i>		<i>Pugsley Creek Parallel Interceptor start from CSO-24</i>
<i>Contract ID</i>	CS-ER-WCM	CS-ER-WCP
<i>Plan Elements</i>	Improve flow control structures in sewers to convey more flow to the Hunts Point WWTP	Add capacity to convey more flow to the Hunts Point WWTP
<i>Location</i>	Eastchester Road, Bronx	Clason Point, Bronx
<i>Actions</i>	Continue Design	
<i>Construction Cost</i>	\$56.4 Million (Estimated)	Tbd
<i>Status</i>	Basis of Design Report being prepared.	Drainage Plan under review
<i>Other Issues</i>		

3.9. Bronx River CSO

The Bronx River CSO Facility Planning area includes the portion of the Hunts Point WWTP service area, the associated sewers, and pumping stations that discharge to the Bronx River in the Bronx. The Consent Order project is constructed under contract ER-BR-1 which includes the following items:

- ◆ Floatables Control at the Bronx Park Avenue site (CSO-27A)
- ◆ Floatables Control at the Soundview Park site (CSO-13)
- ◆ Floatables Control at the West Farm Road site (CSO-28)
- ◆ Green Infrastructure Demonstration project in the Bronx River watershed

The green infrastructure demonstration project originally intended for the Bronx River CSO drainage area has been modified to take place in the Hutchinson River drainage area due to a lack of viable sites in the originally planned area. Updates on the GI Demonstration Project are discussed in the Green Infrastructure Section of this report.

Construction Work Performed During This Quarter

- Floatables Control at the Bronx Park Ave site (CSO-27A)
 - Completed removal of encountered bed rock.
 - Completed chamber expansion.
 - Replaced existing columns (baffle walls) with three new ones.
 - Formed and placed concrete for south section of the roof.
 - Commenced installation of mechanical bar screens.
- Floatables Control at the Soundview Park site (CSO-13)
 - Article 16 granted on May 8, 2012.
- Floatables Control at the West Farm Road site (CSO-28)
 - Article 16 granted on May 8, 2012.
- **Floatables Control at the Bronx Zoo site (CSO-27)**
 - **Article 16 granted on May 8, 2012.**

Anticipated Construction Activities for Next Quarter

- Floatables Control at the Bronx Park Ave site (CSO-27A)
 - Complete chamber extension and test mechanical equipment.
 - Complete roof installation.
 - Complete installation and testing of mechanical bar screens.
 - Restore site.

Table 14 – Bronx River CSO Project

<i>Floatables Control</i>	
<i>Contract ID</i>	ER – BR - 1
<i>Plan Elements</i>	Floatables Control Facilities at CSO Outfalls HP-004, HP-007 and HP-009
<i>Location</i>	West Farms Road, Bronx Park Avenue, Bronx Zoo, Soundview Park
<i>Actions</i>	Design and construction of floatables control facilities for CSO Outfalls HP-004, HP-007 and HP-009
<i>Construction Cost</i>	\$29,025,336
<i>Status</i>	Construction 94% complete
<i>Other Issues</i>	

3.10. Hutchinson River CSO

The Hutchinson River CSO Facility Planning area includes the portion of the Hunts Point WWTP drainage area, its associated sewers, and pumping stations that discharges to the Hutchinson River in the Bronx. The Consent Order projects are being executed under contracts LTCP1, CSO-PLANYC, and GXHP-24-03 (DPR), which include the following items:

- ◆ Waste Load Allocation Field Sampling
- ◆ The Green Infrastructure Demonstration project that had originally been planned for the Bronx River drainage area, which will now be conducted in the Hutchinson River drainage area within subcatchment HP-024, per Modification Request submitted by DEP to DEC on March 30, 2012.

Planning Work Performed During This Quarter

- Waste Load Allocation Field Sampling
 - The Field Sampling and Analysis Plan (FSAP) was approved by DEC on May 15, 2012.
 - DEP initiated field sampling on May 23, 2012. A Certification letter was submitted to DEC on May 31, 2012. DEC accepted the Certification on June 1, 2012.
 - Three wet weather surveys were performed. Each survey was three days in duration. The surveys began on May 30, 2012, June 13, 2012, and June 26, 2012.
 - One dry weather survey was performed on June 20, 2012.
 - Two wet weather marsh outflow sampling events were performed on May 22, 2012 and June 6, 2012
 - One dry weather marsh outflow sampling event was performed on June 11, 2012.
 - Three CSO and storm quality sampling events were performed on May 30, 2012, June 12, 2012, and June 25, 2012.

Design Work Performed During This Quarter

- Hutchinson River Green Infrastructure Demonstration Project
 - Updates on the GI Demonstration Project are discussed in the Green Infrastructure Section of this report.

Anticipated Planning Activities for Next Quarter

- Waste Load Allocation Field Sampling
 - Continue with sampling program. Anticipating one additional wet weather survey and two additional dry weather surveys.

Anticipated Design Activities for Next Quarter

- Hutchinson River Green Infrastructure Demonstration Project

- Updates on the GI Demonstration Project are discussed in the Green Infrastructure Section of this report.

Table 15 – Hutchinson River CSO Project

<i>Waste Load Allocation Field Sampling</i>	
<i>Contract ID</i>	LTCP1
<i>Plan Elements</i>	Surface water and discharge outfall water quality sampling and characterization to develop Waste Load Allocation (WLA) for the Hutchinson River
<i>Location</i>	Hutchinson River
<i>Actions</i>	
<i>Construction Cost</i>	n/a
<i>Status</i>	Planning
<i>Other Issues</i>	

3.11. Jamaica Bay CSO

The Jamaica Bay CSO Facility Planning area includes the drainage areas of the 26th Ward, Coney Island, and Rockaway WWTPs and their associated sewers and pumping stations. The receiving waters of the study area include Fresh Creek, Hendrix Creek, Spring Creek, and the open waters of Jamaica Bay. The Consent Order projects are constructed under contracts CSO-DRG and CSO-GCER, which include the following items:

- ◆ Interim dredging of the head-end of Hendrix Creek
- ◆ Improving conveyance to the Rockaway WWTP
- ◆ 26th Ward High Level Sewer Separation (HLSS)
- ◆ Demonstration
- ◆ 26th Ward Wet Weather Stabilization
- ◆ 26th Ward green infrastructure demonstration project

Design Work Performed During This Quarter

- 26th Ward Green Infrastructure Demonstration Project
 - Updates on the GI Demonstration Project are discussed in the Green Infrastructure Section of this report.
- 26th Ward Wet Weather Stabilization
 - DEP has determined that it is necessary to obtain a new consultant. As such there will be a delay to the start of the design process and consequently the design completion date. DEP will soon be providing additional details in a modification request letter.

Construction Work Performed During This Quarter

- Hendrix Street Canal Dredging
 - Completed collection of benthic samples, performed bathymetric survey activities and collected cores of the sand cap for the first Post-Dredge Monitoring Survey of the completed Hendrix Street Canal Dredging Project.

Anticipated Design Activities for Next Quarter

- 26th Ward Green Infrastructure Demonstration Project
 - Updates on the GI Demonstration Project are discussed in the Green Infrastructure Section of this report.

Anticipated Construction Activities for Next Quarter

- Hendrix Street Canal Dredging
 - Complete ambient odor monitoring and submit first Post Dredge Monitoring Survey Report to the DEC.

Table 16 – Jamaica Bay CSO Projects

	<i>Hendrix Creek Dredging</i>	<i>Rockaway WWTP Conveyance Improvements</i>	<i>26th Ward HLSS</i>	<i>26th Ward Wet Weather Stabilization</i>
<i>Contract ID</i>	CSO-HC	Project not yet initiated	CS-FB-SEW	26W-15 26W-20
<i>Plan Elements</i>	Removal of CSO sediment mounds from the head end of the Hendrix Street Canal	Improve collection system and WWTP capacity to achieve 2DDWF		Low Level MSPs High Level MSPs PST#5 PST1-4 Stabilization
<i>Location</i>	Hendrix Creek, Brooklyn	Rockaway WWTP, Queens	Fresh Creek, Brooklyn	26 th Ward WWTP, Brooklyn
<i>Actions</i>	None	None	None	-
<i>Construction Cost</i>	\$13.2 million	TBD	TBD	TBD
<i>Status</i>	Construction Complete	Project not yet initiated	Project not yet initiated	In Design
<i>Other Issues</i>				

3.12. Environmental Benefits Projects

These projects were undertaken in connection with the settlement of an enforcement action taken by New York State and DEC for violations of New York State law and DEC regulations. The 2008 Modification to the CSO Consent Order requires not less than \$4 million worth of DEP-funded Environmental Benefit Projects (EBPs) designed to abate CSOs and/or address wet weather water quality impacts from CSOs and to benefit the waters in and around New York City. The 2012 Modified Consent Order requires the extension of DEP's existing Green Infrastructure Grant Program and a commitment to use no less than \$3 million of EBP funds over the next three years to expand available grant funding for applicants. DEP will identify awarded projects with signed Funding Agreements to commit EBP funds toward before December 31 for each year of the three-year grant program (i.e., 2012, 2013 and 2014).

Work Performed During This Quarter

- 2012 Green Infrastructure Grant Program
 - DEP submitted the EBP Grant Plan on April 30, 2012 and received acceptance of the Plan from DEC on May 24, 2012.
 - The Review Committee, which was comprised of representatives from DEP, DPR, the New York City Departments of Design and Construction (DDC), Transportation (DOT), Buildings (DOB) and DEC, selected 11 projects for grant awards. Awards were announced on April 21, 2012.
 - Total value of grants awarded is \$4.4 million, \$3.4 million funded through capital program and \$1 million funded as EBP.
- Bronx River and Gowanus-Flushing EBP Grant Projects
 - Commence soil boring work in both the Bronx and Gowanus.
 - Legal review of contract transferred to Columbia from NYC Audubon was completed, and Columbia signed the contract.
 - Modular green roof trays are being grown.
 - Unisphere and RPA designs have been completed and put it out to bid.
- DEC US Forestry Service Grant
 - Gaia portion of grant completed.
 - Riverkeeper is working on finding another site.

Anticipated Activities for Next Quarter

- 2012 Green Infrastructure Grant Program
 - Review and approve 60% Designs to be submitted by all grant recipients by July 31, 2012.

- Review and approve Funding Agreements and Declarations of Restrictive Covenants, dependent on responsiveness of grant recipients, forward to NYC's Comptroller's Office for registration.
- Review and execute Declarations of Restrictive Covenants.
- Bronx River and Gowanus-Flushing EBP Grant Projects
 - Install modular green roof trays in late summer 2012
 - Apply for DOB permit for green roofs
 - Continue to incorporate soil boring information into designs.
- DEC US Forestry Service Grant
 - USFS contracts almost completed, may have extension of time.

Table 17 – 2008 and 2012 Modified CSO Consent Order Environmental Benefits Projects

<i>Plan Elements:</i>	<i>Bronx River</i>	<i>Flushing Bay and Creek</i>	<i>Gowanus Canal</i>	<i>DEC US Forestry Service Grant</i>
Location:	HP-009 service area	Multiple areas	6th St / 2nd Ave, Brooklyn	Bronx River and Newtown Creek CSO Areas
Description:	Stormwater BMP evaluations	Manhattan College New York Hospital Green roof (\$660,440); RPA bioretention basins under the LIE (\$600,000); Unisphere treatment wetlands and rain gardens for Meadow Lake (\$386,551); Columbia University Rego Park Green Streets (\$389,187);	Gowanus Canal Conservancy 6th Street Green Corridor Project	Enhanced tree pit evaluation in HP-009 service area; Green infrastructure installation in Newtown Creek CSO shed; Open source access for Drexel University's LIDRA model; Education and stewardship activities in the HP-009 area.
Cost:	Budget: \$850,000 Cost to date: \$0 This Qtr: \$0 Next Qtr: \$75,000	Budget: \$2,036,178 Cost to date: \$300,000 This Qtr: \$150,000 Next Qtr: \$150,000	Budget: \$583,470 Cost to date: \$75,000 This Qtr: \$75,000 Next Qtr: \$10,000	Budget: \$250,000 Cost to date: \$223,244 This Qtr: \$17,467 Next Qtr: ~\$5,000
Status:	In Design	Manhattan College completed design. Unisphere and RPA completed design. Columbia has signed contract to complete NYC Audubon grant	In design	Gaia portion of grant completed. Riverkeeper is working on finding another site.
Other Issues:	None	None	None	USFS contracts almost completed, may have extension of time.

3.13. Green Infrastructure Program Implementation

This section of the quarterly report provides the status of green infrastructure program implementation required under the 2012 CSO Consent Order. The Order sets forth financial commitments, schedule and capture targets, and other requirements for the program to reduce runoff and CSO through the use of green infrastructure. Additionally, Appendix A of the 2012 CSO Consent Order contains completion milestones for three green infrastructure demonstration projects:

- ◆ Newtown Creek Green Infrastructure Demonstration Project
- ◆ Hutchinson River Green Infrastructure Demonstration Project (moved from Bronx River per DEC's May 31, 2012 letter.)
- ◆ Jamaica Bay Green Infrastructure Demonstration Project in 26th Ward Sewershed

This information is in addition to and complementary with the Environmental Benefits Projects described in the previous section.

Design and Construction Work Performed During This Quarter¹

- Green Infrastructure Program (Citywide)
 - DEP submitted 2011 Green Infrastructure Annual Report to DEC as required by the 2012 Modified Consent Order on April 30, 2012. DEP and DEC discussed the content of future annual reports and, per DEC's request, DEP submitted an annual report template on June 29, 2012 to indicate the planned contents of future annual reports.
 - DEP forwarded DEC and EFC the Standard ROW bioswale designs on April 30, 2012 as approved by NYC Public Design Commission for installation citywide on March 12, 2012. Other bioswale designs are being used in the Demo Areas such as a small Stormwater Tree Pit (10'x5') where there are space constraints in the sidewalk. Standard ROW bioswale designs were signed on July 25, 2012.
 - Consultants have been selected and cost proposals are under negotiation for design services for Gowanus, Newtown and Flushing Bay (total contracts will not exceed \$12 million).
 - DPR's contract for borings/survey/permeability tests in Flushing Bay was registered on June 4, 2012 for geotechnical work for ROW bioswales and stormwater greenstreets.
 - DPR registered the Flushing Bay construction contract on May 18, 2012 and issued a Notice to Proceed on May 30.
 - A change order for the existing DOT College Point reconstruction project was registered October 2011 to build ROW bioswales and construction was completed in May 2012.

¹ Brief summary of work performed to date is provided for Q1 2012, the first reporting quarter for the project

- As part of DEP's 2011 Green Infrastructure Grant Program, three projects were registered: Osborne Association (green/blue roof), Lenox Hill Neighborhood Association (green roof), and Poppenhusen Institute (bioinfiltration system); NTP letters were issued for Queens College and Brooklyn Navy Yard. Construction is substantially completed at the Brooklyn Navy Yard rooftop farm project.
- Hutchinson River Green Infrastructure Demonstration Project (Demo Area 1)
 - Designs were finalized based on completed site selection, limited topographic survey, utility/vault surveys, soil borings and permeability testing.
 - DEP received approval from DEC on May 2 to extend the milestone date for the submittal of the engineering report and design to May 31, 2012. On May 30, DEC approved the relocation of the demonstration project from Bronx River watershed to Hutchinson River and established new milestones for incorporation in Appendix A of the 2012 Modified Consent Order under section XI. Hutchinson River CSO.
 - In accordance with the new milestones, DEP submitted the Engineering Report and Design for the Green Infrastructure Demonstration Project in the Hutchinson River Watershed on May 31, 2012. DEP received approval of the Engineering Report from DEC on June 19.
 - DPR registered the construction contract on June 7, 2012. The total amount of work for the Hutchinson River Demo is approximately \$300,000 for construction of ROW bioswales.
- Jamaica Bay Green Infrastructure Demonstration Project in 26th Ward Sewershed (Demo Area 2)
 - DEP submitted the 26th Ward Right-of-Way Green Infrastructure Demonstration Project Engineering Report and Final Plans and Specifications to DEC on April 30. DEP subsequently responded to DEC's comments on May 29 and final approval of the engineering report was received on June 5.
 - DEP submitted certification of completion for the Notice to Proceed to Construction for the demonstration project on June 18 and in advance of June 30 milestone date. DEC forwarded a letter on June 21 stating that the requirements of this milestone were satisfied.
 - J. Pizzirusso Landscaping Corporation was issued a Notice to Proceed on June 18. The total contract amount is \$880,000 for construction of ROW bioswales.
- Newtown Creek Green Infrastructure Demonstration Project (Demo Area 3)
 - The engineering report and design was finalized based on completed surveys, borings and testing, and ongoing coordination with City Departments of Parks and Recreation (DPR) and Transportation (DOT) on issues related to utilities and review and approval of contract plans.
 - Bid for construction of the ROW bioswales were advertised on June 20 and the bid opening was on July 12th. Three bids were received and a low bidder was identified. Pre-award meetings and contract development are underway.

Anticipated Design and Construction Activities for Next Quarter

- **Green Infrastructure Program (Citywide)**
 - Complete borings/survey/permeability tests in Flushing Bay via DPR contract.
 - Contractor to commence construction of bioswales and stormwater greenstreets in Flushing Bay, Bronx River, and Hutchinson River under DPR contracts.
 - Finalize contracts for design services for Gowanus, Newtown and Flushing Bay.
 - DDC to release RFP for Area-Wide Contracts in Hutchinson River and Newtown Creek.
- **Hutchinson River Green Infrastructure Demonstration Project (Demo Area 1)**
 - Continue monitoring data collection related to wet weather flows.
 - Submit Notice to Proceed for construction to DEC by August 31, 2012.
 - Commence construction in August 2012 in anticipation of construction completion certification in second Quarter of 2013.
- **Jamaica Bay Green Infrastructure Demonstration Project in 26th Ward Sewershed (Demo Area 2)**
 - Commence construction in August 2012 in anticipation of construction completion certification in fourth Quarter of 2012.
 - Continue monitoring data collection related to wet weather flows.
 - Continue construction in anticipation of construction completion certification in fourth Quarter of 2012.
 - Complete final design and prepare bid package for on-site work at NYCHA Seth Low Houses.
- **Newtown Creek Green Infrastructure Demonstration Project (Demo Area 3)**
 - Continue monitoring data collection related to wet weather flows.
 - Submit engineering report and design to DEC by July 31, 2012.
 - Review bids received by July 12 and select contractor in anticipation of contract registration and Notice to Proceed for construction in fourth Quarter of 2012.
 - Complete final design and prepare bid package for on-site work at NYCHA Hope Gardens Houses.

Table 18 – Green Infrastructure Program Implementation Status

	<i>Green Infrastructure Program</i>	<i>Hutchinson River Demo</i>	<i>26th Ward Demo</i>	<i>Newtown Creek Demo</i>
<i>Contract ID</i>	Implemented under numerous contracts	DPR Contract GXHP24-03	GK26W03-1	GKNC15-05
<i>Plan Elements</i>	Capture first inch of precipitation on 1.5% of impervious surfaces citywide	24-acre GI Demonstration Area	23-acre GI Demonstration Area	18-acre GI Demonstration Area
<i>Location</i>	Citywide	E. 225 St, E. 229 St, Schiefflen Ave, and Baychester Street Bronx; Outfall HP-024	Junius St and Powell Street between East New York and Belmont Avenues Brooklyn; Outfall 26W-003	Grove Street area, Brooklyn; Outfall NCB-015
<i>Actions</i>	Design and construct green infrastructure on public property in priority areas; administer GI Grant Program	NTP issued	NTP issued	Submit Engineering Report to DEC; register construction contract
<i>Construction Cost</i>	\$187 million citywide	Approximately \$300,000 for ROW bioswales	\$880,000 for ROW bioswales; estimated additional \$400,000 for onsite installations	\$525,000 for ROW bioswales; additional cost for on-site installations is TBD
<i>Status</i>	On-going	Work will start August 2012	Work will start August 2012	Pre-award
<i>Other Issues</i>	NA	None	None	None

4.0 Community Relations

During the **Second Quarter of 2012**, DEP completed several community relations-related tasks and provided several LTCP-related updates and education materials to the public. All tasks, efforts and updates are described in this Quarterly Report.

DEP's public participation plan was released to the public on June 26, 2012 and describes the multipronged tools and activities DEP will utilize to inform and involve diverse stakeholders and the broader public throughout the LTCP process.

The purpose of the public participation plan is to create a framework for communicating with and soliciting input from interested stakeholders and the broader public on water quality and the challenges and opportunities for CSO controls. The public participation plan is designed to keep important stakeholder issues associated with the LTCP program before the public and ratepayers throughout the life of the program.

DEP will report quarterly to DEC on completed public participation activities outlined in the public participation plan as part of this and all future CSO Quarterly Reports. All updates to the Public Participation Plan implemented as a result of public comments received and quarterly reviews of public participation activities by DEC will be posted annually to DEP's website.

LTCP Meetings

- April 16, 2012: Hope Gardens Resident Meeting with NYCHA on Demo Area Project (40 attendees)
- April 17, 2012: Edenwald Houses Resident Meeting with NYCHA on Edenwald GI Work Plan and Demo Area Project (30 attendees)
- May 2, 2012: Bronx Borough Service Cabinet Meeting on GI Program (30 attendees)
- May 8, 2012: Brooklyn Borough Service Cabinet Meeting on GI Program (50 attendees)
- May 15, 2012: Queens Borough Service Cabinet Meeting on GI Program (30 attendees)
- May 23, 2012: SWIM Coalition Quarterly Meeting on GI Program (20 attendees)
- June 15, 2012: Green Infrastructure Steering Committee Quarterly Meeting (10 attendees)
- June 26, 2012: Citywide LTCP Public Meeting and Open House. Topics included NYC's CSO program, LTCP process and development schedule and LTCP public participation plan (62 attendees)

LTCP Education and Outreach Activities

- On June 26, 2012, DEP held an open house at its Newtown Creek public meeting space. The open house was advertised as the Citywide LTCP Kickoff and Meeting in the following newspapers on June 7, 2012: Bay News; Kings Courier; Mill Basin/Marine Park Courier; Bay Ridge Courier; Brooklyn Graphic; Brooklyn Courier; Times Ledger Newspapers; Bayside Times; Flushing Times; Little Neck Ledger; Whitestone Times; Jamaica Times; Astoria Times; Forest Hills Ledger; Bronx Times Reporter Inc.; Bronx Times Reporter; Bronx Times; Caribbean Life Brooklyn/Staten Island; Caribbean Life Queens; and Caribbean Life Bronx/Manhattan. The LTCP Kickoff advertisement was also placed in the June 15 version of WaterWire, an online ListServ.

- The kickoff meeting advertisement was also emailed to approximately 700 community planning, environmental, design/economic development and academic/research stakeholders, including: members of the Green Infrastructure Steering Committee, Community Board representatives, Waterbody Watershed Facility Plan meeting attendees, Newtown Creek and Gowanus Canal CAG members and representatives of the building industry that participated in DEP's *Guidelines for the Design and Construction of Stormwater Management Systems* review sessions.
- The meeting included several "Information Stations" with DEP representatives and Poster Boards targeting the general public as follows:
 - Station #1: History of NYC's Sewer and Wastewater Systems (3 boards)
 - Station #2: NYC's Combined Sewer Overflow Program (6 boards)
 - Station #3: NYC's Green Infrastructure Program (4 boards)
 - Station #4: Citywide Waterfront Initiatives (2 boards)
 - Station #5: Evaluating Alternatives for Water Quality Improvements (3 boards).
- In addition to Information Stations, handouts were made available to the public during the open house as follows:
 - What is an LTCP?
 - LTCP Goal Statement
 - LTCP Frequently Asked Questions (FAQs)
 - Revisions to New York City's Waterfront Revitalization Program (WRP)
 - Waterfront Action Agenda: Transforming New York City's Waterfront
- A dedicated space for LTCP Program information was launched on DEP's website on June 26, 2012. The website provides links to documents related to the LTCP program, including CSO Consent Orders, approved Waterbody Watershed Facility Plans, links to related programs such as the Green Infrastructure Plan, and handouts and poster boards used at the June 26, 2012 open house. There is also contact information for public submissions of LTCP-related feedback.
- On June 28, 2012, Construction Notification Postcards were distributed to 16,395 residents near GI demonstration projects via U.S. Mail.
- DEP updated its Green Infrastructure Website GI Grant Page in April 2012 with the press release announcing winners of the 2012 GI Grant cycle. In addition, 2011 Preliminary Pilot Monitoring Results were added to the GI webpage.

Planned Activities Not Conducted During This Quarter

- DEP conducted all planned activities this quarter.

Summary of Comments Received

- A separate summary was developed and will be forwarded to DEC for review. Based upon DEC review, DEP will post the summary to the LTCP Program website and will email or mail to all meeting attendees. Comments received during the Second Quarter of 2012 were

specific to the public participation process, CSO advisories, public access, water quality standards and ecological restoration.

5.0 Key Personnel Changes

The table below provides key personnel as of the **Second Quarter of 2012**.

Table 19 – Key DEP Personnel for Contracts Subject to the CSO Consent Order

Planning Area	Project	DEP Responsible Personnel		
		Bureau	Chief	APM
Alley Creek	ER-AC2: Storage Facility	BEDC	Osit	A Patel
Outer Harbor	All Projects Complete	-	-	-
Inner Harbor	CSO-DRDG: Gowanus Dredging	BEDC	Tysvaer	Chao
	CSO-GC: Flushing Tunnel	BEDC	Clarke	DJ Patel
	CSO-GC: Gowanus PS	BEDC	Clarke	DJ Patel
Paerdegat Basin	CSO-5: Storage Facility	BEDC	Tysvaer	Novotny
	CSO-DRDG: Dredging	BEDC	Tysvaer	Chao
Flushing Bay	CSO-DRDG: Dredging	BEDC	Tysvaer	Chao
	EE-DSGN-4: Flushing Interceptor	BWT	Lochan	Goldin
	CS-FB-LLD: Low-Lying Sewers / R2 Weir	BEDC	Tysvaer	Chao
	CS-FB-BWR: Regulators	BEDC	Tysvaer	Szeto
	TI-WW-1: Whitestone Interceptor	BEDC	Solimando	Sadat
Jamaica Tributaries	CS-JA-BWR: Bending Weirs	BEDC	Tysvaer	Szeto
	CS-JA-BBS: 48-Inch Sewer	BEDC	Tysvaer	Szeto
	CSO-JT-SB: Destratification	BEDC	Clarke	Gordon
Coney Island Creek	PS-79F: Ave V Force Main	BEDC	Clarke	Gordon
	PS-79: Ave V Pump Station	BEDC	Clarke	Gordon
Newtown Creek	CSO-NC-4: Dutch, Lower Newtown	BEDC	Tysvaer	Szeto
	CSO-NC-3: East Branch, Upper Newtown	BEDC	Tysvaer	Szeto
	CSO-NC-2: Enhanced Aeration Lower English Kills	BEDC	Tysvaer	Szeto
	CS-NC-REG&FLO: Regulators / Floatables Control	BEDC	Tysvaer	Chao
Westchester Creek	CS-ER-WCM: Modifications to CSO-29 / 29A	BEDC	Tysvaer	Chao
	CS-ER-WCP: Pugsley Creek Parallel Interceptor	BWSO	Garin	P Shah
Bronx River	ER-BR-1: Floatables Controls	BEDC	Clarke	Gordon
Hutchinson River	LTCP1: Waste Load Allocation	BWT	Mahoney	Lee
Jamaica Bay	CSO-HC: Hendrix Creek Dredging	BEDC	Tysvaer	N Shah
	CS-FB-SEW: 26th Ward / Fresh Creek HLSS	BWSO	Garin	P Shah
	26W-20: 26th Ward Wet Weather Stabilization	BEDC	Solimando	Meshkati
G.I. Demonstrations	CSO-PLANYC: Newtown Creek	OGI	Farag	Stein
	CSO-PLANYC: 26th Ward Sewershed	OGI	Farag	Stein
	CSO-PLANYC: Hutchinson River	OGI	Farag	Stein

Changes from the previous reporting period are shown in **bold**

6.0 Other Issues

Action Items generated during the **June 12, 2012** CSO Quarterly Meeting are summarized below.

<i>Planning Area</i>	<i>Responsible Party</i>	<i>Action Item</i>	<i>Status</i>
Alley Creek	DEP	Provide remaining data for final inspection by end of June	Under Development
Paerdegat Basin	DEC DEP	Issue final dredging permit conditions Reschedule CSO facility pumpback for final inspection by end of June	Completed Scheduled for 8/8/12
Newtown Creek	DEC/DEP DEP DEP	Finalize Responsiveness Summary for the WWFP public meeting Submit RS as part of response to USCOE permit public comments Submit revised section of WWFP related to Greenpoint remediation	All Complete
Inner Harbor	DEP	Submit update to Gowanus Canal force majeure related to exit chamber soils failure	FM withdrawn 6/27/12
Flushing Creek	DEP	Submit letter with action items identified during May 31 meeting on Flushing interceptor inspection and long-term monitoring	Sent 6/15/12
Green Infrastructure	DEP	Submit modification request for changing the PCM milestones for the GI demo projects to align all milestones	Under Legal Review
Hutchinson River	DEP	Notify DEC that dry weather sampling of two Mt. Vernon MS4 outfalls will be conducted as part of the Hutch River sampling program.	Completed
Jamaica Bay	DEP/DEC	Discuss the delays to the 26 th Ward WWTP wet weather stabilization project	Dialog Initiated
LTCP	DEP DEP DEC DEP DEP	Provide draft agenda for kickoff meeting during week of June 18 Confirm if engineer, contractor, and housing groups are invited to kickoff meeting Provide feedback on Public Participation Plan the week of June 18 Provide electronic versions of kickoff meeting poster boards for DEC review Provide draft presentation for kickoff meeting for DEC review	All Completed
General	DEC DEC	Provide list of desired Basis of Design Reports Provide final inspection checklists for Ave V PS and FM, Bronx River floatables control, and Shellbank Basin destratification facility during week of June 18	All Completed

7.0 Status of LTCP Development

According to the Order, the reporting on the progress of the Drainage Basin Specific Long Term Control Plan (LTCP) and Waterbody/Watershed Facility Plan (WWFP) development shall be included in the first and third quarterly reports of each calendar year beginning in the year 2005 and continuing until all Appendix A requirements have been completed and approved.

APPENDIX A
CONSENT ORDER CERTIFICATION LETTERS



Carter H. Strickland, Jr.
Commissioner

Vincent Sapienza, P.E.
Deputy Commissioner
Bureau of Wastewater
Treatment
vsapienza@dep.nyc.gov

James G. Mueller, P.E.
Assistant Commissioner
Planning & Capital Projects
Bureau of Wastewater
Treatment
jmueller@dep.nyc.gov

96-05 Horace Harding
Expressway
Corona, NY 11368
T: (718) 595-5973
F: (718) 595-6950

June 29, 2012

Mr. Joseph DiMura, P.E.
Bureau of Compliance
New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, NY 12233-3500

RE: Order on Consent DEC Case #CO2-20000107-8 as modified by DEC
Case No. CO2-20110512-25 (CSO Order)
Appendix A, VII. Coney Island Creek CSO
C. Avenue V Pumping Station Upgrade, 4. Construction Completion
D. Avenue V Force Main, 4. Construction Completion
Certification of Construction Completion

Dear Mr. DiMura:

In accordance with Paragraph III.F of the above-referenced CSO Order, this letter certifies compliance by the New York City Department of Environmental Protection (DEP) with Milestones VII.C.4 and VII.D.4 as set forth in said Order. All CSO process-related equipment and facilities have been constructed in accordance with the approved plans and specifications and have been placed into operation to meet the applicable SPDES permit requirements. Attached is the required certification letter from the Construction Manager.

Please contact me at (718) 595-5045 if you have any questions regarding this certification.

Yours Truly,

A handwritten signature in blue ink, appearing to read 'Anthony Maracic', written over a light blue horizontal line.

Anthony Maracic, P.E.
Director Capital Planning and Asset Management
Bureau of Wastewater Treatment

cc:

Mark Klotz
DEC, Director, Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3500

Robert Elburn, P.E.
DEC Region 2 Water Engineer
47-40 21st Street
Long Island City, New York 11101

Cheryle Webber, P.E.
Environmental Facility Corporation
625 Broadway
Albany, NY 12207-2997

Mary vonWergers, Esq.
DEC, Office of General Counsel
625 Broadway, 14th Floor
Albany, NY 12233-5500

Gary E. Kline, PE
DEC, Division of Water
New York City Municipal Compliance Section Chief
625 Broadway, 4th Floor
Albany, New York 12233-3500

William Plache, Esq.
Assistant Corporation Counsel
New York City Law Department
100 Church Street
New York, NY 10007

DEP: K. Donnelly, K. Clarke, W. Gordon, J. Mueller, K. Mahoney, L. Lee
H&S: C. Hocking, P. Young, T. Groninger



June 29, 2012

Mr. Joseph DiMura, P.E.
Bureau of Compliance
New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, NY 12233-3500

Carter H. Strickland, Jr.
Commissioner

Vincent Sapienza, P.E.
Deputy Commissioner
Bureau of Wastewater
Treatment
vsapienza@dep.nyc.gov

James G. Mueller, P.E.
Assistant Commissioner
Planning & Capital Projects
Bureau of Wastewater
Treatment
jmueller@dep.nyc.gov

96-05 Horace Harding
Expressway
Corona, NY 11368
T: (718) 595-5973
F: (718) 595-6950

RE: Order on Consent DEC Case #CO2-20000107-8 as modified by DEC
Case No. CO2-20110512-25 (CSO Order)
Appendix A, IX. Westchester Creek CSO, F. Pugsley Creek Parallel
Interceptor start from CSO-24, 1. Initiate Final Design
Certification of Milestone Completion

Dear Mr. DiMura:

In accordance with Paragraph III.F of the above-referenced CSO Order, this letter certifies compliance by the New York City Department of Environmental Protection (DEP) with Milestone IX.F.1 as set forth in said Order. Specifically, design of the Pugsley Sewer was initiated on June 26, 2012. Attached is the transmittal initiating the design.

Please contact me at (718) 595-5045 if you have any questions regarding this certification.

Yours Truly,

A handwritten signature in blue ink, appearing to read 'Anthony Maracic', written over a light blue horizontal line.

Anthony Maracic, P.E.
Director Capital Planning and Asset Management
Bureau of Wastewater Treatment

cc:

Mark Klotz
DEC, Director, Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3500

Robert Elburn, P.E.
DEC Region 2 Water Engineer
47-40 21st Street
Long Island City, New York 11101

Cheryle Webber, P.E.
Environmental Facility Corporation
625 Broadway
Albany, NY 12207-2997

Mary vonWergers, Esq.
DEC, Office of General Counsel
625 Broadway, 14th Floor
Albany, NY 12233-5500

Gary E. Kline, PE
DEC, Division of Water
New York City Municipal Compliance Section Chief
625 Broadway, 4th Floor
Albany, New York 12233-3500

William Plache, Esq.
Assistant Corporation Counsel
New York City Law Department
100 Church Street
New York, NY 10007

DEP: K. Donnelly, J. Garin, J. Mueller, K. Mahoney, L. Lee
H&S: P. Young, T. Groninger



Carter H. Strickland, Jr.
Commissioner

Vincent Sapienza, P.E.
Deputy Commissioner
Bureau of Wastewater
Treatment
vsapienza@dep.nyc.gov

James G. Mueller, P.E.
Assistant Commissioner
Planning & Capital Projects
Bureau of Wastewater
Treatment
jmueller@dep.nyc.gov

96-05 Horace Harding
Expressway
Corona, NY 11368
T: (718) 595-5973
F: (718) 595-6950

May 31, 2012

Mr. Joseph DiMura, P.E.
Director, Bureau of Compliance
New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, NY 12233-3506

Re: Order on Consent (DEC Case no C02-20110512-25) (modification of
DEC Case No. C02-20000107-8) (collectively, the "CSO Order")
Appendix A, XI. Hutchinson River CSO, F. Waste Load Allocation,
1. Initiate Comprehensive Field Sampling
Certification of Milestone Completion

Dear Mr. DiMura:

In accordance with Paragraph III (F) of the CSO Order, this letter certifies compliance by the New York City Department of Environmental Protection with the above-referenced milestone. Specifically, the Comprehensive Field Sampling program was initiated on May 23, 2012. The milestone date is May 31, 2012.

Please contact me at (718) 595-5045 if you have any questions regarding this submittal.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Anthony Maracic'.

Anthony Maracic, P.E.
Director, Capital Planning & Asset Management
Bureau of Wastewater Treatment

cc:

Cheryle Webber, P.E.
Environmental Facilities Corporation
625 Broadway
Albany, New York 12207-2997

Robert Elburn, P.E.
DEC Region 2 Water Engineer
47-40 21st Street
Long Island City, New York 11101

Mark Klotz
DEC, Director, Division of Water
625 Broadway, 4th Floor
Albany, NY 12233-3500

Mary vonWergers, Esq.
DEC, Office of General Counsel
625 Broadway, 14th Floor
Albany, NY 12233-1500

Gary E. Kline, P .E.
DEC, Division of Water
New York City Municipal Compliance Section Chief
625 Broadway, 4th Floor
Albany, NY 12233-3500

William Plache, Esq.
Assistant Corporation Counsel
New York City Law Department
100 Church Street
New York, NY 10007

DEP: J. Mueller, D. Hammerman, L. Lipton, K. Mahoney, L. Lee, H. Donnelly
H&S: P. Young, D. Bingham, File



Carter H. Strickland, Jr.
Commissioner

Vincent Sapienza, P.E.
Deputy Commissioner
Bureau of Wastewater
Treatment
vsapienza@dep.nyc.gov

James G. Mueller, P.E.
Assistant Commissioner
Planning & Capital Projects
Bureau of Wastewater
Treatment
jmueller@dep.nyc.gov

96-05 Horace Harding
Expressway
Corona, NY 11368
T: (718) 595-5973
F: (718) 595-6950

May 31, 2012

Mr. Joseph DiMura, P.E.
Director, Bureau of Compliance
New York State Department of
Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, NY 12233-3506

Re: Order on Consent DEC Case No. CO2-20000107-8, as modified by DEC
Case no CO2-20110512-25 (collectively, the "CSO Order")
Appendix A, XI. Hutchinson River CSO, Green Infrastructure
Demonstration Project in Hutchinson River Watershed, 1. Submit
Engineering Report and Design
Certification of Completion

Dear Mr. DiMura:

In accordance with Paragraph III.F of the above referenced CSO Order this letter certifies compliance by the New York City Department of Environmental Protection with a milestone contained in the CSO Order. Specifically, enclosed are the Engineering Report and Design for the Green Infrastructure Demonstration Project in the Hutchinson River Watershed.

The milestone as named above reflects the modification of project location and due date for submittal of the engineering report and design, in accordance with letters from the New York State Department of Environmental Conservation dated May 2, 2012 and May 30, 2012.

Please contact me at (718) 595-5045 if you have any questions regarding this submittal.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Anthony Maracic', is written over a light blue horizontal line.

Anthony Maracic, P.E.
Director, Capital Planning & Asset Management
Bureau of Wastewater Treatment

Copy With Attachments

Cheryle Webber, P.E.
New York State Environmental Facilities Corporation
625 Broadway
Albany, New York 12207
(1 Hard Copy)

Mark Klotz
Director, Division of Water
New York State Department of Environmental Conservation
625 Broadway 4th Floor
Albany, NY 12233-3500
(2 Hard Copies & CD)

Robert Elburn, P.E.
Regional Water Engineer
Division of Water, Region 2
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, New York 11101
(1 Hard Copy)

Cover Letter Only:

Gary Kline, P.E.
New York City Municipal Compliance Section Chief
Division of Water
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-3500

Mary vonWergers, Esq.
DEC, Office of General Counsel
625 Broadway, 14th Floor
Albany, NY 12233-1500

William Plache, Esq.
Assistant Corporation Counsel
New York City Law Department
100 Church Street
New York, NY 10007

DEP: A. Licata, J. Mueller, K. Mahoney, L. Lee, M. Farag, J. Stein, H. Donnelly
H&S: P. Young, File



Carter H. Strickland, Jr.
Commissioner

Vincent Sapienza, P.E.
Deputy Commissioner
Bureau of Wastewater
Treatment
vsapienza@dep.nyc.gov

James G. Mueller, P.E.
Assistant Commissioner
Planning & Capital Projects
Bureau of Wastewater
Treatment
jmueller@dep.nyc.gov

96-05 Horace Harding
Expressway
Corona, NY 11368
T: (718) 595-5973
F: (718) 595-6950

June 20, 2012

Mr. Joseph DiMura, P.E.
Director, Bureau of Compliance
New York State Department of
Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, NY 12233-3506

Re: Order on Consent DEC Case No. CO2-20000107-8, as modified by DEC
Case no CO2-20110512-25 (collectively, the "CSO Order")
Appendix A, XII. Jamaica Bay CSO, J. Green Infrastructure
Demonstration Project in 26th Ward Sewershed, 2. Notice to Proceed to
Construction
Certification of Completion

Dear Mr. DiMura:

In accordance with Paragraph III.F of the above referenced CSO Order, the New York City Department of Environmental Protection hereby certifies compliance with milestone XII.J.2. Notice to Proceed to Construction has been transmitted to the general contractor for the Green Infrastructure Demonstration Project in the 26th Ward Sewershed. A copy of the Order to Commence Work is attached.

Please contact me at (718) 595-5045 if you have any questions regarding this submittal.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Anthony Maracic'.

Anthony Maracic, P.E.
Director, Capital Planning & Asset Management
Bureau of Wastewater Treatment

cc:

Cheryle Webber, P.E.
New York State Environmental Facilities Corporation
625 Broadway
Albany, New York 12207

Mark Klotz
Director, Division of Water
New York State Department of Environmental Conservation
625 Broadway 4th Floor
Albany, NY 12233-3500

Robert Elburn, P.E.
Regional Water Engineer
Division of Water, Region 2
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, New York 11101

Gary Kline, P.E.
New York City Municipal Compliance Section Chief
Division of Water
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-3500

Mary von Wergers, Esq.
Office of General Counsel
New York State Department of Environmental Conservation
625 Broadway, 14th Floor
Albany, NY 12233-1500

William Plache, Esq.
Assistant Corporation Counsel
New York City Law Department
100 Church Street
New York, NY 10007

DEP: A. Licata, M. Farag, J. Mueller, K. Mahoney, L. Lee, M. Walker, J. Stein,
H. Donnelly
H&S: P. Young, File

APPENDIX B
NYSDEC COMMENTS ON PREVIOUS QUARTERLY REPORT

NY\$ DEC Comments
Quarterly Report
1st Quarter 2012

Comments on Quarterly Report:

1. **Tables 3 and 5:** The projected completion date for Bronx River floatables control is August 2012.
2. **Tables 3 and 5:** The projected completion date for Gowanus Canal upgrades is October 9, 2013 per recent updates.
3. **Section 3.9, Bronx River:** Include the Bronx Zoo, CSO 27 under Bronx River floatables control project.

Questions/Comments for Quarterly Meeting:

1. Provide update on the installation of the low-level main sewage pumps for 26th Ward Wet Weather Stabilization.
2. Explain the statement related to contamination affecting the location of Bland St. Nicks weir in Table 12.
3. Provide update on Force Majeure for notice to proceed to construction for enhanced aeration of lower English Kills.
4. Provide status of Gowanus Canal Force Majeure update request, due June 17, 2012.

General Comment:

1. Please include Paul Kenline, DEC Region 2 Office in any correspondence with the DEC related to dewatering permits for the Whitestone Interceptor.
2. Discuss if the DEP plans to share copies of Basis of Design Reports with DEC once they are finalized to provide DEC an opportunity to confirm the project scope before final design is completed.
3. Please note the new DEC attorney for the CSO Order is Mary VonWergers, who can be contacted at 518-402-9521 and mxvonwer@gw.dec.state.ny.us
4. The revisions to the Quarterly report to remove old information have improved overall readability of the report.