



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 – First Quarter 2013



April 2013

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

FIRST QUARTER 2013
(January 1 to March 31)

April 30, 2013

Table of Contents

Table of Contents	i
List of Tables	ii
1.0 Executive Summary	1-1
2.0 Construction Contracts	2-5
3.0 Detailed Description of Work Performed	3-1
3.1. Alley Creek CSO	3-1
3.2. Inner Harbor CSO	3-2
3.3. Paerdegat Basin CSO	3-5
3.4. Flushing Bay CSO	3-7
3.5. Jamaica Tributaries CSO	3-10
3.6. Coney Island Creek CSO	3-12
3.7. Newtown Creek CSO	3-13
3.8. Westchester Creek CSO	3-15
3.9. Bronx River CSO	3-16
3.10. Hutchinson River CSO	3-17
3.11. Jamaica Bay CSO	3-18
3.12. Environmental Benefits Projects	3-20
3.13. Green Infrastructure Program Implementation	3-23
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 Certified This Quarter (Jan 2013 – Mar 2013)	1-2
Table 2 – Milestones this Quarter to be Considered for Potential Modification.....	1-2
Table 3 – Milestones Next Quarter (Apr 2013 – Jun 2013).....	1-3
Table 4 – Force Majeure Notifications and Outstanding Modification Requests	1-4
Table 5 – Construction Contracts and their Status	2-5
Table 6 – Alley Creek CSO Projects	3-1
Table 7 – Inner Harbor CSO Projects.....	3-4
Table 8 – Paerdegat Basin CSO Projects	3-6
Table 9 – Flushing Bay CSO Projects	3-9
Table 10 – Jamaica Tributaries CSO Projects	3-11
Table 11 – Coney Island Creek CSO Projects	3-12
Table 12 – Newtown Creek CSO Projects.....	3-14
Table 13 – Westchester Creek CSO Project	3-15
Table 14 – Bronx River CSO Project.....	3-16
Table 15 – Hutchinson River CSO Project	3-17
Table 16 – Jamaica Bay CSO Projects.....	3-19
Table 17 – 2012 Modified CSO Consent Order Environmental Benefits Projects	3-21
Table 18 – 2008 Modified CSO Consent Order Environmental Benefits Projects	3-21
Table 19 – Green Infrastructure Program Implementation Status.....	3-26
Table 20 – Key DEP Personnel for Contracts Subject to the CSO Consent Order.....	5-1
Table 21 – Action Items from Quarterly Progress Meeting.....	6-1

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 Jan 14 2005. This Order on Consent was modified on Apr 14 2008, Sep 3 2009, and Mar 8 2012 (collectively, the “Order”). Pursuant to 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 **Jan 1 2013 and Mar 31 2013**.

Critical Events This Quarter

The following critical events occurred this quarter:

1. DEP certified Notice to Proceed to Construction for the Paerdegat Basin Environmental Dredging on Mar 29 2013 in accordance with Milestone IV.G.4 of Appendix A of the Order. The NTP was issued on Mar 18 2013. A copy of the Certification letter is provided in Appendix A.
2. DEC accepted DEP's Certification of Design Initiation for the Jamaica Bay 26th Ward High Level Sewer Separation (XII.I.2) on Jan 2 2013.
3. DEC accepted DEP's Certification of Design Initiation for the Flushing Bay Regulator Modifications (V.K.2) on Jan 2 2013.
4. On Jan 16 2013, DEP responded to DEC's requests for additional information for the Nov 2 2012 Modification Request for the Jamaica Tributaries Parallel 48-Inch Siphon/Interceptor Milestone (Milestone VI.H.2).
5. On Mar 5 2013, DEP responded to DEC's request for additional information regarding the Modification Request and Notice of Force Majeure submitted by DEP on November 2, 2012 for the Newtown Creek Enhanced Aeration in Lower English Kills (Milestone VIII.H.3). On March 15, 2013, DEC approved DEP's request and modified the milestone date for NTP to April 30, 2013
6. DEP issued a Modification Request for several milestones associated with the Jamaica Bay 26th Ward Wet Weather Stabilization (Milestones XII.K.5 through XII.K.8) on Mar 1, 2013. DEC responded to this request by letter dated March 27, 2013 and a technical meeting has been scheduled to coincide with the next quarterly meeting.
7. On Jan 4 2013, DEC requested additional information for the Hurricane Sandy Force Majeure notice related to construction of the Green Infrastructure Demonstration Projects for Newtown Creek (VIII.L.3), Hutchinson River (XI.H.3), and Jamaica Bay. DEP responded on Feb 19 2013, requested that the Emergency Finding 30-day extension

issued by the State be applied to the Hutchinson River and Newtown Creek projects, and noting that the Jamaica Bay (26th Ward) GI demonstration was completed on time per the requirements of the Order.

8. In the Feb 19 2013 response to DEC, DEP provided updates to the Hurricane Sandy Force Majeure Notice for several additional projects:
 - a. DEP reported a delay of 119 calendar days due to Hurricane Sandy for the Inner Harbor Gowanus Pump Station and Flushing Tunnel (III.F.2 and III.G.2).
 - b. The delay for the Flushing Bay Tallman Island WWTP (V.I.4) work was determined to be less than one month.
 - c. The force majeure claim for the 26th Ward Wet Weather Stabilization (XII.K.3) was withdrawn.

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 required by the Order, DEP and DEC held a Quarterly Progress Meeting on **Mar 4 2013 at DEP's offices in Kingston, New York** 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 **Apr through Jun 2013**:

Hold the next Quarterly Progress Meeting between DEC and DEP on **May 14 2013 at DEP's offices in Valhalla, New York**.

Table 1 – Milestones Certified This Quarter (Jan 2013 – Mar 2013)

LOCATION / PROJECT AREA	ITEM DESCRIPTION	MILESTONE DATE	ACTION REQUIRED	STATUS
Paerdegat Basin	Environmental Dredging	Mar 2013	NTP	Certified Mar 29 2013

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

LOCATION / PROJECT AREA	ITEM DESCRIPTION	MILESTONE DATE	ACTION REQUIRED	STATUS
No Milestones this Quarter to be Considered for Potential Modification				

Table 3 – Milestones Next Quarter (Apr 2013 – Jun 2013)

LOCATION / PROJECT AREA	ITEM DESCRIPTION	MILESTONE DATE	ACTION REQUIRED	STATUS
Hutchinson River	GI Demonstration	Apr 2013	Construction Completion	Force Majeure
Jamaica Bay	26 th Ward Wet Weather Stabilization	Apr 2013	Final Design Completion	Modification Request submitted Mar 1 2013
Newtown Creek	GI Demonstration	May 2013	Construction Completion	Force Majeure
Flushing Bay	Divert Low-Lying Sewers / Raise BB- R02	Jun 2013	Final Design Completion	Modification Request to be submitted
Newtown Creek	Bending Weirs / Floatables Control	Jun 2013	Final Design Completion	On schedule
Hutchinson River	Waste Load Allocation	Jun 2013	Submit Report	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	Gowanus Pump Station and Flushing Tunnel Modernization	Notice of Force Majeure	Hurricane Sandy	Construction Completion Sep 2014	Additional information provided Feb 19 2013
Paerdegat Basin	Dredging	Notice of Force Majeure	Sep 27 2012 oil spill	NTP Mar 2013	Certified Mar 29 2013
Flushing Bay	Tallman Island WWTP	Notice of Force Majeure	Hurricane Sandy	Construction Completion Jul 2015	Additional information provided Feb 19 2013
Jamaica Tributaries	Parallel 48-Inch Siphon / Interceptor	Modification Request	HDD Safety Improvements	Final Design Dec 2012	Additional information provided Jan 16 2013
Newtown Creek	Enhanced Aeration LEK	Modification Request	USACE Permit Delay	NTP Dec 2012	Notice and Request submitted Nov 2 2012, updated Mar 5 2013
Newtown Creek	Green Infrastructure Demonstration	Notice of Force Majeure	Hurricane Sandy	Construction Completion May 2013	Additional information provided Feb 19 2013
Hutchinson River	Green Infrastructure Demonstration	Notice of Force Majeure	Hurricane Sandy	Construction Completion Apr 2013	Additional information provided Feb 19 2013
Jamaica Bay	26 th Ward Green Infrastructure Demonstration	Notice of Force Majeure	Hurricane Sandy	Construction Completion Dec 2012	Additional information provided Feb 19 2013
Jamaica Bay	26th Ward Wet Low Level MSPs	Notice of Force Majeure	Hurricane Sandy	Construction Completion Apr 2015	Claim withdrawn Feb 19 2013
Jamaica Bay	26th Ward Wet Low Level MSPs	Modification Request	Design Procurement	Multiple Milestones	Request submitted Mar 1 2013

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	Certified Complete	100%	100%
Inner Harbor	Gowanus Flushing Tunnel Modernization	Feb 2010	Sep 2014	Sep 2014	67%	61%
	Gowanus Pump Station Reconstruction	Feb 2010	Sep 2014	Sep 2014	67%	61%
	Dredging of Gowanus Canal	TBD ⁽²⁾	TBD ⁽²⁾	TBD ⁽²⁾	-	-
Paerdegat Basin	Structures and Equipment	Sep 2005	May 2011	Certified Complete	100%	100%
	Dredging of Paerdegat Basin	Mar 2013	Mar 2015	Mar 2015	0%	0%
Flushing Bay	Tallman Island Whitestone Interceptor	Dec 2011	Jul 2015	May 2015	35%	19%
	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 ⁽³⁾	TBD ⁽³⁾	TBD ⁽³⁾	-	-
Jamaica Tributaries	Destratification Facility	Sep 2010	Mar 2012	Certified Complete	100%	100%
	Parallel 48-Inch Siphon / Interceptor	Aug 2014	Feb 2017	Feb 2017	-	-
	Bending Weirs	Dec 2014	Jun 2016	Jun 2016	-	-
Coney Island Creek	Avenue V Pumping Station Upgrade	Nov 2005	Jun 2012	Certified Complete	100%	100%
	Avenue V Force Main	Jul 2007	Jun 2012	Certified Complete	100%	100%
Newtown Creek	Enhanced Aeration Lower English Kills	Apr 2013	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	Apr 2013	Apr 2013	83%	95%
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	Oct 18 2012	Oct 18 2012	100%	100%
Hutchinson River	GI Demonstration in Hutchinson River Watershed	Aug 2012	Apr 2013	Apr 2013	77%	98%
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	100%	100%
	26 th Ward Low Level MSPs	Sep 2012	Apr 2015	Jun 2014	-	-
	26 th Ward PST#5 and High Level MSPs	Apr 2014	Dec 2017	Aug 2018	-	-
	26 th Ward Stabilization of PSTs #1 to 4	Dec 2017	Jul 2019 ⁽⁴⁾	Nov 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) Dredging NTP 3 years from effective date of permit (EDP) (DEC and USACE); completion within 5 years of EDP.

(3) Dredging NTP 2 years from EDP; completion TBD per permits.

(4) For escrow recovery; enforceable milestone is July 2019.

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 Jun 27 2011. The facility was certified as being operational as of Mar 11 2011 and the certification of Construction Completion was accepted by DEC on Sep 25 2012.

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

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>	Certification accepted Sep 25 2012
<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.

Design Work Performed During This Quarter

- The DEP is incorporating design modifications to address flood adaptation, which will be a combination of dyke walls, raising of control rooms / equipment, flood gates and door bulkheads.
- Environmental Dredging
 - DEP received a draft permit for dredging from DEC on March 26, 2013, is reviewing the permit conditions and planning to send a response to DEC
 - DEP received comments on the JAP from USACE on January 8, 2013 and is drafting responses to be sent to USACE in late April or early May 2013

Construction Work Performed During This Quarter

- Gowanus Canal – Rehabilitation of Flushing Tunnel and Reconstruction of Gowanus Pump Station
 - During this quarter, Hurricane Sandy continued to greatly impact work on the project with an estimated delay of 3 months and damages of roughly \$2 million. Interim power to the site was finally restored on February 21, 2013 for a total of 119 days without interim power.
 - Nearly all of the equipment associated with the interim oxygenation transfer system (OTS) was damaged from flooding during Hurricane Sandy and currently remains out of service. This includes the primary and backup pump, the oxygen generation components, compressor and power and control wiring. The estimated cost for repair / replacement of

this equipment is \$500,000. The Contractor has submitted permit documentation to the New York City Department of Small Business Services for a bottled oxygen alternative that would minimize the costly replacement of the oxygen generation components. DEP is anticipating the interim oxygenation transfer system back in operation before Memorial Day.

- The Interim Wastewater Pumping System continued operation via power from the Rudox generator then back to interim power on February 21, 2013.
- Flushing Tunnel: The Contractor completed the tunnel shotcrete repairs during this period.
- Flushing Tunnel Building: The excavation continued during this period, the Contractor installed a multi-tier soil anchor support of excavation and proof tested the anchors.
- Force Main: The Contractor resumed work on the force main on Dec 3 2012, by realigning sections of pipe that were misaligned due to the flooding of the tunnel. Also, repairs were needed on the encasement. Further installation and encasement were performed during this quarter.
- Wastewater Pumping Station: The wet wells in the Wastewater Pumping Station were dewatered after Hurricane Sandy and disinfection of the area along with installed piping occurred. The plumbers completed the pipe installation and successfully leak tested the section of force main piping within the pumping station. The Electrical and HVAC Contractors also continued with the installation of conduit supports and ductwork, respectively. The installation of the single ply roofing system also commenced during this period.
- Service Building: The Structures and Equipment Contractor completed the painting of all interior walls and the Electrical Contractor delivered and installed the Incoming Service Switchgear, Motor Control Centers, generator switchgear and automatic transfer switch (ATS) #3 in the first floor electrical room. The Variable Frequency Drives for both the Main Sewage Pumps and Flushing Tunnel Pumps were also delivered and installed during this period. The Electrical Contractor commenced with the installation of conduit and support racks at both the first and second floors. The HVAC Contractor delivered and installed the CRAC units in the second floor mechanical room. Exterior masonry continued on the west façade wall. The Contractor also backfilled and installed the roof slab at the Fuel Oil Vault. Installation of stainless roof steel, mesh panels and handrail.
- CSO Screening Area – Jet grouting of the CSO extension area was completed. Contractor commenced excavation to subgrade for the installation of the base slab.

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.
 - The Oxygen Transfer System will be placed back in service by Memorial Day. DEP plans to use portable oxygen tanks as a means to obtain the required DO levels in the Canal.

- Flushing Tunnel: Complete shotcrete and other masonry repairs to sections of the Flushing Tunnel. Complete tunnel punchlist work. Install temporary stop log bulkhead at the Courtyard Chamber, turn off dewatering pumps and demobilize from within the tunnel.
- Flushing Tunnel Building: Complete excavation inside the building and construct new concrete intake structure for the Flushing Tunnel Pumping system.
- Force Main: Complete 33-inch FRPMP force main installation and encasement. Perform final hydrostatic testing. Complete installation of force main vent piping and supports at the Exit Chamber and Tompkins manhole.
- Wastewater Pumping Station: Complete concrete repairs within the wet well. Commence painting of interior walls and ceilings. Continue installation of electrical conduit and support racks. Installation of main sewage pumps.
- Service Building: Complete all concrete masonry unit work. Continue with the installation of conduit, piping and ductwork at the first and second floors. Continue brick veneer and stone masonry work on the north façade.
- Complete the installation of Con Edison Network Protection equipment and coordinate primary cable feeds into the Con Edison Transformer Vault.
- Make necessary repairs to the oxygenation system to bring it back into service by Memorial Day.
- CSO Area: Installation of new Tide Gate No.1. Complete excavation of CSO extension and commence with the installation of reinforcing steel and formwork for the concrete base slab and walls.

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 (based on concept design)	\$147,490,441
<i>Status</i>	In Design	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.
- ◆ DEC formally accepted the DEP Certification of Construction Completion for Paerdegat Basin CSO Retention Facility after field inspection and documentation review. The DEC acceptance was dated Aug 24 2012.
- ◆ Environmental dredging in the head end of Paerdegat Basin to a final water depth of 3.0 feet below mean lower low water

DEP Certified Construction Completion of the Paerdegat Basin CSO Retention Facility and the certification of Construction Completion was accepted by DEC on Aug 24 2012.

Design Work Performed During This Quarter

- Environmental Dredging
 - The design is complete; design services during construction (DSDC) commenced in this quarter.
 - On Oct 18 2012 DEP submitted a Force Majeure to DEC related to the Sep 27 2012 oil spill event in Paerdegat Basin where between 800 - 1,400 gallons of compressor and turbine oil under the responsibility of National Grid was discharged. DEP provided DEC with comments on the proposed sampling work plan to ensure that consideration for the dredge project was incorporated.

Construction Work Performed During This Quarter

- Environmental Dredging
 - Both the construction management and construction contracts were registered in this quarter and the NTPs were issued to meet the Mar 2013 construction NTP date.
 - The project kick-off meeting was held on March 27, 2013. DEP, the designer, construction manager, and construction contractor were in attendance.

Anticipated Design Activities for Next Quarter

- Environmental Dredging
- Design services during construction will continue

Anticipated Construction Activities for Next Quarter

- Environmental Dredging

The construction manager and construction contractor will proceed with project start-up activities, including health and safety, regulatory and construction management plans.

Outstanding issue

DEP submitted a notice of potential force majeure on October 18, 2012 related to the September 27, 2012 oil spill by National Grid. Post-oil spill sampling results could necessitate changes to the timing or cost of the dredging project. DEP expects to receive results of samples from DEC in late April 2013.

Table 8 – Paerdegat Basin CSO Projects

	<i>Phase III</i>	<i>Dredging</i>
<i>Contract ID</i>	CSO - 5	DRG-PB
<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 items and documentation	Dredge bottom sediments to finish depth of three ft below MLLW
<i>Construction Cost</i>	\$ 207,324,114	\$8,884,940
<i>Status</i>	DEC formally accepted construction completion on Aug 24 2012.	Construction NTP issued on Mar 18, 2013
<i>Other Issues</i>		National Grid oil spill (Sep 28 2012)

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

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 Mar 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 **was** submitted to DEC for approval. DEC requested further information as discussed at Dec 11 2012 quarterly meeting and DEP provided DEC with an update on Dec 19 2012..
- Diver Low-Lying Sewers/Raise Weir BB-R02
 - DEP finalized an interagency transfer of funds to move the budget of this work from DEP to DDC. On Feb 26 2013 this project was transferred to DDC. The Capital Project Initiation (CPI) paperwork that provides DDC with the scope, schedule, and budget for this work was approved and transmitted to DDC.
 - A modification request for Final Design, which is due June 30, 2013 will be submitted by April 30, 2013.
- Regulator Modifications
 - 30% design is progressing.
 - Background drawings drafted.
 - Prepared documentation and field studies required for 30% submittal and value engineering.
- Environmental Dredging
 - DEP received comments on the JAP from USACE on January 8 and 9, 2013. DEP responded on February 27, 2013.

Construction Work Performed During This Quarter

- Tallman Island Whitestone Interceptor
 - Ongoing construction of New Whitestone Interceptor in Powell's Cove Park.
 - Continued operation of dewatering system.
 - Contractor mobilized to the location of the new Connection Chamber at the WWTP in preparation for construction.
 - Maintained erosion and sediment control measures in wetland and adjacent areas.

Anticipated Design Activities for Next Quarter

- Tallman Island Flushing Interceptor
 - Bids will be solicited through the BWT TOC for the following work:
 - Develop the conceptual design for replacement or rehabilitation of the relevant section of interceptor
 - Perform the flow monitoring required by DEC
 - Research available technologies for performing a structural assessment of the interceptor. If a viable technology is found, then use it to assess the structural condition.
- **Divert Low-Lying Sewers/Raise Weir BB-R02**
 - Review and approve revised Drainage Plan and proceed to final design.
 - Conduct Environmental Borings.
 - Continue permit applications.
 - Inspect nearby structures.
 - Start 90% design.
- Regulator Modifications
 - Continue work on 30% design.
 - Perform traffic studies required by NYCDOT and NYSDOT and begin maintenance of traffic drawings.
 - Complete soil borings and geotechnical investigation.
 - Begin utility coordination with Con Edison and National Grid.
 - Complete hydraulic modeling.
 - Submit materials for value engineering orientation meeting.
- Environmental Dredging
 - Respond to comments and questions from DEC and/or USACE on the JAP.

Anticipated Construction Activities for Next Quarter

- Tallman Island Whitestone Interceptor
 - Continue construction of New Whitestone Interceptor in Powell's Cove Park.

- Complete Demolition of Pier at 7th Avenue.
- Begin work for new connection chamber at Tallman Island WWTP.
- Begin work on diversion chamber at 11th Avenue.

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	TBD	CS-FB-LLD	CS-FB-BWR	CSO-DRDG DRG-FB
<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 Blvd 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	Proximate to CSO Outfalls BB006 and BB008
<i>Actions</i>					Dredge bottom sediments to final depth of 4 ft below MLLW
<i>Cost</i>	\$22,071,512	TBD	\$5,610,000	\$41,400,000	\$38,100,000 (based on 30% Design)
<i>Status</i>	Construction NTP Issued December 22, 2011	TOC to be issued for potential design activities described above	In Design	In Design	30% Design complete; JAP submitted
<i>Other Issues</i>	-				None

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

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.

DEP Certified Construction Completion of the Destratification Facility, and DEC accepted the certification on Jul 23 2012.

Design Work Performed During This Quarter

- Parallel 48-inch Siphon/Interceptor
 - 30% Design completed.
 - Horizontal Directional Drilling (HDD) geotechnical investigation package completed and sent out for bid. Bids received.
 - Responded to DEC request for additional information regarding the request to modify the milestone date for Final Design Completion from Dec 2012 to Aug 2013. Request was approved on February 26, 2013 and the subsequent milestones for this project were also modified accordingly.
 - Initiated 90% Design.
- Bending Weirs
 - 90% Design progressing.
 - Developed soil boring and environmental testing package for bidding.
 - Advanced structural design and developed drawings for 90% design.

No Construction Work Performed During This Quarter

Anticipated Design Activities for Next Quarter

- Parallel 48-inch Siphon/Interceptor
 - Continue 90% Design.
 - Perform HDD Investigation.

- Bending Weirs
 - Continue 90% Design.
 - Perform soil boring and environmental testing.

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	\$24,725,000	\$6,468,000
<i>Status</i>	Complete	Design	Design
<i>Other Issues</i>	Certification Accepted Jul 23 2012	Final Design Delayed; DEC Approved request to modify milestone date to August 2013.	

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

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.

DEP Certified Construction Completion of the Coney Island Creek Avenue V Pumping Station Upgrade and Force Main on Jun 29 2012. DEC accepted DEP's certification on Oct 23 2012.

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>	\$80,213,297	\$116,818,080
<i>Status</i>	Certification Accepted Oct 23 2012	Certification Accepted Oct 23 2012
<i>Other Issues</i>		

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

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

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
 - Construction contract for the Enhanced Aeration in Lower English Kills project was registered.
 - 30% design for the Enhanced Aeration in East Branch and Portions of Newtown Creek Enhanced Aeration project was submitted.
 - Additional evaluation of the Borden Ave. Pump Station to be used as a potential site to house the aeration equipment for the Enhanced Aeration in Dutch Kills and Portions of Newtown Creek project was performed. Continued development of the Basis of Design Report (BODR).
 - Responded on Mar 5 2013 to DEC's request for additional information in connection with the Modification Request and Notice of Force Majeure submitted by DEP on November 2, 2012. On March 15, 2013 DEC approved DEP's request and modified the milestone date for NTP to April 30, 2013.
- Bending Weirs and Floatables Control
 - Completed OMB VE process which included attendance at Workshop Meeting with OMB VE Team.
 - Completed 60% design

Anticipated Design Activities for Next Quarter

- Enhanced Aeration
 - Issue NTP to the construction contract for the Enhanced Aeration in Lower English Kills project.
 - Complete 30% design for the Enhanced Aeration in East Branch and Portions of Newtown Creek project.
 - Continue development of the BODR for the Enhanced Aeration in Dutch Kills and Portions of Newtown Creek project.
- Bending Weirs and Floatables Control
 - Complete 60% design workshop.
 - Complete 90% and 100% design activities.

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 registered	The design of the blower building and aeration system continues.	The design of the blower building and aeration system continues	Design of bending weirs and baffles, to reduce overflows/floatables
<i>Construction Cost</i>	\$1,769,000	\$17,180,731	\$20,583,632	\$32.3 Million (30% Design Estimate)
<i>Status</i>	Construction Bid	Design	Design	Design
<i>Other Issues</i>	Due to delay in obtaining required USACE permit, a Mod Request and Force Majeure for Construction NTP was submitted by DEP to DEC. Approval was granted.			Based on results of in situ sediment and soil sampling and analysis, thorium-232 radioactivity was found to be below defined limits (5 pCi/g) at St. Nicks Weir and Regulator B-1 sites.

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

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
 - Completed Basis of Design Report
 - Completed Basis of Design Review Meeting
- Pugsley Creek Parallel Interceptor
 - The drainage plan amendment was finalized on Jun 26 2012.
 - Topographic survey ordered Jun 28 2012. Survey is underway and projected to be completed by mid-Feb 2013.
 - DEP/BWSO certified design initiation on Jun 29 2012

Anticipated Design Activities for Next Quarter

- Modifications to CSO-29 and 29A
 - Initiate 30% Design activities
- Pugsley Creek Parallel Interceptor
 - Continue with survey

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	Classon Point, Bronx
<i>Actions</i>	Continue Design	Continue Design at DDC
<i>Construction Cost</i>	\$9.0 Million	\$65.8 Million (Estimated)
<i>Status</i>	Basis of Design Report under review.	Drainage Plan under review
<i>Other Issues</i>		

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

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 Zoo site (CSO-27)
- ◆ 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 site restoration.
 - Completed relocation of mechanical screens hydraulic panel.

Anticipated Construction Activities for Next Quarter

- Floatables Control at the Bronx Park Ave site (CSO-27A)
 - Complete site restoration.

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>	Certified Completion on Oct 18 2012
<i>Other Issues</i>	

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

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

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 22 2012.
 - DEP completed sampling and monitoring program as of Oct 15 2012.
 - A Final Field Sampling Data Report was submitted to the DEC on Dec 28 2012.

Design Work Performed During This Quarter

Anticipated Planning Activities for Next Quarter

- Initiate modeling and analysis needed to complete the Waste Load Allocation Report on Water Quality and the Sewer System that is due to the DEC by Jun 2013.

Anticipated Design Activities for Next Quarter

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>	Completed
<i>Other Issues</i>	

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

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

Design Work Performed During This Quarter

- 26th Ward High Level Sewer Separation
 - DEP/BWSO submitted drainage plans to the DEC on Sep 28 2012.
 - DEP/BWSO directed Department of Design and Construction (DDC) to initiate designs associated with this HLSS on Dec 7 2012.
 - DEP certified initiation of design to the DEC on Dec 27 2012.
- 26th Ward Wet Weather Stabilization
 - DEP is finalizing the design contract with a new consultant. As such there will be a delay to the start of the design process and consequently the design completion date. DEP submitted a modification request on March 1, 2013 and DEC responded to such request on March 27, 2013. A technical meeting to discuss DEP's modification request and DEC's response letter has been scheduled to coincide with the next quarterly meeting on May 14, 2013.

Construction Work Performed During This Quarter

- Hendrix Street Canal Dredging
 - Continued preparation of the first Post-Dredge Monitoring Report.
 - Complete ambient odor monitoring for the second Post Dredge Monitoring Report.

Anticipated Design Activities for Next Quarter

- 26th Ward Wet Weather Stabilization
 - Complete new Design Consultant procurement and continue with design of 26W-20.

Anticipated Construction Activities for Next Quarter

- Hendrix Street Canal Dredging
 - Complete and submit first Post Dredge Monitoring Survey Report to the DEC.
 - Complete bathymetric survey and benthic field activities for the second Post Dredge Monitoring Report.

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-12 (CO 128) 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	\$50 million for Phases 1a and 1b (estimated)	\$7.6M \$126.4M
<i>Status</i>	Construction Complete	Project not yet initiated	BWSO preparing CPI for Phases 1a and 1b	In Design
<i>Other Issues</i>				New design contract will necessitate a modification to the design completion date.

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

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 Dec 31 for each year of the three-year grant program (i.e., 2012, 2013 and 2014).

Manhattan College

The installation of approximately 14,666 sf of a modular green roof project on New York Hospital in Queens will be designed to control runoff from a 1 to 1.5-inch rainfall.

Alive Structures began removing the ballast from the roofs in late Oct 2012. They completed installation in late Nov 2012 of the vegetated modular trays on three out of the planned four roofs within the hospital complex. Some monitoring equipment has been tested over winter and complete installation of monitoring equipment will take place this spring. The fourth green roof is anticipated to be installed in early June with full shade tolerant mix, 4" soil for West roof. Construction started Oct 24 2012 and is anticipated to be completed in Summer 2013. The total project value is \$660,440; \$234,942 has been invoiced to date.

NYC Audubon Society

A Greenstreets stormwater capture system in Rego Park that will retrofit an impervious surface and replace it with permeable pavement and vegetation to capture runoff from a three acre-watershed. 60% designs are being reviewed by DEP BWSO and DOT. Construction is anticipated to start in the Spring of 2013 and is anticipated to be completed in Summer 2013. The total project value is \$448,803; \$75,000 has been invoiced to date.

Regional Plan Association

Three Sponge Park™ bioretention basins are being constructed under the Long Island Expressway near the Van Wyck Expressway. Dawson Corporation began construction on October 25 2012. One of three proposed bioretention basins was removed from the design due to conflicting underground infrastructure. The remaining two bioretention basins have been excavated, framed, and plumbing installed. In spring 2013 the soil will be placed, planted, and monitoring will begin. Construction is started Oct 25 2012 and is anticipated to be completed in spring 2013. The total project value is \$600,000; \$271,116 has been invoiced to date.

Gowanus Canal Conservancy

The 6th Street Green Corridor Project will build a series of curbside swales ranging from 400 square feet to 1,200 square feet along 6th Street and 2nd Avenue in Brooklyn. 100% designs being developed. The bid documents are planned to be released on Apr 12 2013, with construction to start in spring 2013. The total project value is \$583,470 (\$873,470 including EPA Grant); \$236,655 has been invoiced to date.

Unisphere, Inc.

Treatment wetland and rain garden for treating stormwater entering Meadow Lake. This project will receive runoff from approximately 3.26 acres consisting of portions from a parking area at the southwestern edge of Meadow Lake in Flushing Meadows Corona Park. Edesign Dynamics is developing construction contract with Excav Services. Construction will start in spring 2013. The total project value is \$506,551; \$114,467 has been invoiced to date.

Drexel University

Design, construct, monitor, evaluate, report on and maintain a variety of green infrastructure stormwater capture technologies that also promote ecosystem services in the Bronx River watershed. Schematic design of a detention system is currently being reviewed by BWSO and OGI for feasibility within the right of way. Construction is anticipated to start in the summer of 2013. The total project value is \$893,493; \$75,000 has been invoiced to date.

Table 17 – 2012 Modified CSO Consent Order Environmental Benefits Projects

<i>Plan Elements:</i>	<i>Albert Einstein College of Medicine</i>	<i>New School University</i>	<i>St. Luke and St. Matthew Church</i>
Location:	1300 Morris Park Avenue Bronx NY	65 5 th Avenue New York, NY	520 Clinton Avenue Brooklyn, NY
Description:	Green Roof	Green Roof	Rain Garden and Porous Pavement
Cost:	\$503,470	\$325,000	\$290,273
Status:	Final Designs Due	90% designs submitted	60% designs due
Other Issues:	None	None	None

Table 18 – 2008 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 Q: \$0 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, held up by matching funds contract..
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 (**EBP Funded**)
- ◆ Hutchinson River Green Infrastructure Demonstration Project (**EBP Funded**)
- ◆ 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 Quarter

- OGI Area-wide Contracts
 - Gowanus Canal (RH-034, OH-007) ongoing design of Right-of-Way Bioswales (ROWBs) and Stormwater Greenstreets (SGS).
 - Flushing Bay (BB-006 and -008) ongoing design of ROWBs and SGSs
- DPR Area-wide Contracts
 - Flushing Bay (BB-006) ongoing design and construction of ROWBs and SGSs
 - HP-008, -009, and -004 – ongoing design of ROWBs and SGSs
- EDC Area-wide Contracts
 - 26th Ward (26W-003) – procurement of design consultants
 - Newtown Creek (NCB-015) – procurement of design consultants
- DDC Area-wide Contracts
 - Hutchinson River (HP-023 and -024) - procurement of design consultants
 - Newtown Creek (NCB-077) - procurement of design consultants
- Public Onsite Retrofits
 - DOE/SCA/TPL – completed design on two (2) playground projects, commenced construction on one playground project, and continued ongoing design on two (2) playground projects
 - HHC – ongoing design of a public hospital rooftop project
 - NYCHA – ongoing design of onsite projects at three (3) public housing properties
 - DPR-Parkland – ongoing design for the first onsite park project, and ongoing site selection in public parks.
- Green Infrastructure Grant Program

- Issued five NTPs for 2011 and 2012 grant awardees
- Continued Funding Agreement and Design Review for the remaining 2011 and 2012 grant recipients.
- Received applications for the 2013 grant cycle
- Neighborhood Demonstration Areas: Hutchinson River Green Infrastructure Demonstration Project (Demo Area 1)
 - Continued construction ROWBs and SGSs
- Jamaica Bay Green Infrastructure Demonstration Project in 26th Ward Sewershed (Demo Area 2)
 - Continued monitoring of wet weather flows for development of Post Construction Monitoring Report.
- Newtown Creek Green Infrastructure Demonstration Project (Demo Area 3)
 - Continued construction of ROWB and SGSs

Anticipated Design and Construction Activities for Next Quarter

- OGI Area-wide Contracts
 - Gowanus Canal (RH-034, OH-007) ongoing design of ROWBs and SGSs
 - Flushing Bay (BB-006 and -008) ongoing design of ROWBs and SGSs
- DPR Area-wide Contracts
 - Flushing Bay (BB-006) ongoing design and construction of ROWBs and SGSs
 - Bronx River (HP-008, -009, and -004) – ongoing design of ROWBs and SGSs
- EDC Area-wide Contracts
 - 26th Ward (26W-003) – begin design of ROWBs and SGSs
 - Newtown Creek (NCB-015) – begin design of ROWBs and SGSs
- DDC Area-wide Contracts
 - Hutchinson River (HP-023 and -024) - begin design of ROWBs and SGSs
 - Newtown Creek (NCB-077) - begin design of ROWBs and SGSs
- Public Onsite Retrofits
 - DOE/SCA/TPL – complete design and begin construction of three playground projects; and commence design review for eight playgrounds to be built in FY 2014.
 - HHC – complete design of a public hospital rooftop project
 - NYCHA – complete design and bid construction for onsite projects at three public housing properties and identify additional onsite projects
 - DPR-Parkland – begin construction on the first onsite park project, and ongoing site selection in public parks.

- Green Infrastructure Grant Program
 - Continue Funding Agreement and Design Review for the remaining 2011 and 2012 grant recipients.
 - Select 2013 grant awardees begin funding agreements, and begin design review.
- Hutchinson River Green Infrastructure Demonstration Project (Demo Area 1)
 - Complete construction of ROWBs and SGSs
- Jamaica Bay Green Infrastructure Demonstration Project in 26th Ward Sewershed (Demo Area 2)
 - Continue monitoring of wet weather flows for development of Post Construction Monitoring Report
- Newtown Creek Green Infrastructure Demonstration Project (Demo Area 3)
 - Complete construction of ROWBs and SGSs

Table 19 – 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 GXHP24-02	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	16-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	In construction	Construction complete; Ongoing post-construction monitoring	Construction work starting Jan 2013
<i>Construction Cost</i>	\$187 million citywide	Approximately \$300,000 for ROW bioswales	\$600,000 for ROW bioswales	\$508,000 for ROW bioswales
<i>Status</i>	On-going	In construction	Complete; Ongoing post-construction monitoring	In construction
<i>Other Issues</i>	NA	NA	NA	NA

Changes from the previous reporting period are shown in **bold**. In addition, DEP is in the process of designing and constructing onsite installations that when combined with ROW installations will achieve the EPB funding requirements of Section III, Paragraph B of the Order.

4.0 Community Relations

DEP's public participation plan was released to the public on Jun 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.

During the **First Quarter of 2013**, 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.

LTCP Meetings

- Jan 3 2013: Park Slope Civic Monthly Meeting (25 attendees)
- Jan 7 2013: E2 Green Infrastructure Design and Policy Meeting (75 attendees)
- Jan 15 2013: SWIM Public Meeting (25 attendees)
- Jan 25 2013: SWIM Green Jobs Training Meeting (40 attendees)
- Feb 1 2013: Green Infrastructure Working Group Contractor Forum (18 attendees)
- Feb 11 2013: Queens Borough President – Borough Board Meeting (20 attendees)
- Feb 22 2013: SWIM Public Meeting (12 attendees)
- Feb 28 2013: LTCP Citywide Modeling Meeting; topics included the modeling processes that will be used to test potential alternatives identified as part of the LTCP Program, the Watershed/Landside and Hydrodynamic/Water Quality models, and the proposed baseline assumptions for evaluating the benefits of CSO control alternatives (60 attendees)
- Mar 1 2013: Environmental Planning Class (25 attendees)

LTCP Education and Outreach Activities

- On Feb 28 2013, DEP held a public meeting at the US Custom House in Lower Manhattan. The meeting was advertised as the Long Term Control Plan Citywide Modeling Meeting the week of Jan 31 2013 in the following newspapers: Bronx Times Reporter, Queens Times Ledger, Brooklyn Courier Life, Caribbean Life (Brooklyn and Queens) and La Voz.
- The meeting advertisement was also posted to DEP's LTCP Website and emailed on Jan 31 2013 to approximately 700 community planning, environmental, design/economic development and academic/research stakeholders, including: members of the Green Infrastructure Steering Committee, Community Board representatives and Waterbody

Watershed Facility Plan meeting attendees. A reminder email was also sent to stakeholders on Feb 27 2013.

- DEP representatives were available to answer questions and discuss LTCP-related topics. Poster boards targeting the general public were also available on the following topics:
 - Citywide Water Quality Models
 - Integrated Watershed and Water Quality Models
 - NYC's Combined Sewer Areas and LTCP Waterbodies
 - NYC Wastewater Drainage Areas and Wastewater Collection Facilities
 - Current Water Quality Standards
 - Combined Sewer Overflows in New York City
 - Various Ongoing & Completed CSO Projects
 - Potential LTCP Alternatives
 - Nine Elements of a Long Term Control Plan
 - Types of Green Infrastructure
- In addition to poster boards, the following handouts were made available to the public during the meeting:
 - Restoring New York City's Waterways: New York City's Long Term Plan to Reduce Combined Sewer Overflows brochure
 - What is an LTCP?
 - LTCP Goal Statement
 - LTCP Frequently Asked Questions (FAQs)
 - New York City Area: Health Advice on Eating Fish You Catch (courtesy of New York State Department of Health)
- DEP's LTCP Program website was updated several times during this quarter. DEP added a LTCP Citywide Meetings landing page to the LTCP Program website on Mar 17. The LTCP Citywide Modeling Meeting advertisement, agenda, presentation and poster boards were added to the LTCP Citywide Meetings page on the LTCP Program website on Mar 18. The LTCP Citywide Modeling Meeting summary was added on Mar 25. The LTCP Citywide Modeling Meeting was video recorded and will be added to DEP's LTCP program website next quarter.
- DEP created a citywide educational brochure to be distributed at public meetings and posted to DEP's LTCP Website. The brochure, "Restoring New York City's Waterways: New York City's Long Term Plan to Reduce Combined Sewer Overflows," contains significant background information on the past, present and future efforts to manage CSOs and stormwater, New York City's system of wastewater and stormwater collection facilities, Long Term Control Plans and the overall planning process and DEP's LTCP public outreach and education efforts.

Planned Activities Not Conducted During This Quarter

- DEP conducted all planned activities this quarter.

Summary of Comments Received

- A summary of comments received during the First Quarter of 2013 was developed and reviewed by DEC and approved on Mar 25 2013. The summary was posted to DEP's LTCP Program website on Mar 25 2013 and emailed to all meeting attendees on Mar 29 2013. Comments received during the First Quarter of 2013 were specific to the LTCP planning process, LTCP modeling and public outreach.

5.0 Key Personnel Changes

The table below provides key personnel as of the **First Quarter of 2013**.

Table 20 – Key DEP Personnel for Contracts Subject to the CSO Consent Order

Planning Area	Project	<i>DEP Responsible Personnel</i>		
		<i>Bureau</i>	<i>Chief</i>	<i>APM</i>
Alley Creek	ER-AC2: Storage Facility	BEDC	Osit	A Patel
Outer Harbor	<i>All Projects Complete</i>	-	-	-
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	BWSO	Barbaro	-
	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	W Gordon
Coney Island Creek	PS-79F: Ave V Force Main	BEDC	Clarke	W Gordon
	PS-79: Ave V Pump Station	BEDC	Clarke	W Gordon
Newtown Creek	CSO-NC-4: Dutch Kills, 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	P Gordon	P Shah
Bronx River	ER-BR-1: Floatables Controls	BEDC	Clarke	W Gordon
Hutchinson River	LTCP1: Waste Load Allocation	BWT	Mahoney	Lee
Jamaica Bay	CSO-HC: Hendrix Creek Dredging	BEDC	Tysvaer	Nayan Shah
	CS-FB-SEW: 26th Ward / Fresh Creek HLSS	BWSO	P Gordon	P Shah
	CO 26W-128: Low Level Main Sewage Pumps	BEDC	Solimando	Radulescu
	26W-20: 26th Ward Wet Weather Stabilization	BEDC	Solimando	D'Attile
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 **Mar 4 2013** CSO Quarterly Meeting are summarized below.

Table 21 – Action Items from Quarterly Progress Meeting

<i>Planning Area</i>	<i>Responsible Party</i>	<i>Action Item</i>	<i>Status</i>
Gowanus Canal	DEC	-Check with Region 2 on providing a draft copy of Gowanus Canal dredging permit	In Progress
Bronx River	DEP	-Provide technical justification for removal of tide gate at W. Farms Rd site	Completed
	DEC	-Complete final inspection of BRF project	
Newtown Creek	DEP	-Follow-up on LEK enhanced aeration project permit modification	Completed
		-Provide an update on LEK enhanced aeration project force majeure	Completed
Jamaica Bay	DEP	-Provide BODR for 26 th Ward wet weather stabilization	Completed
Green Infrastructure	DEP/DEC	-Hold separate meeting on GI reporting	Completed
General	DEP	- Schedule both Quarterly meetings for either morning or afternoon, not entire day	In Progress
	DEP	-Provide more information on LTCPs in future quarterly meeting presentations	In Progress

7.0 Status of LTCP Development

- The 2012 CSO Consent Order established dates for the submittal of all Long-Term Control Plans. The dates are specified below.
 - Alley Creek: June 2013
 - Coney Island Creek: June 2014
 - Hutchinson River: September 2014
 - Flushing Creek: December 2014
 - Bronx River: June 2015
 - Gowanus Canal: June 2015
 - Jamaica Tributaries and Bay: June 2016
 - Westchester Creek: June 2017
 - Newtown Creek: June 2017
 - Citywide: December 2017
- As of the First Quarter 2013, all Waterbody/Watershed Facility Plans (WWFPs) have been approved except the Jamaica Bay and CSO Tributaries WWFP that was resubmitted on January 17, 2012.

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

March 29, 2013

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

Re: CSO Order on Consent (DEC Case No.CO2-20110512-25, modification to
Case No. C02-20000107-8)
Appendix A, IV. Paerdegat Basin CSO, G. Environmental Dredging,
4. Notice to Proceed to Construction
Certification of Milestone Completion

Dear Mr. DiMura,

In accordance with Article III of the above referenced CSO Order on Consent, this letter is sent to certify compliance by the New York City Department of Environmental Protection with above named milestone. Notice to proceed to construction has been transmitted to the general contractor for the Paerdegat Basin City Wide Dredging. A copy of the Order to Commence Work is attached.

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

Sincerely,

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

Attach.

Copy to:

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

c: BWT: Sapienza, Mueller, Mahoney, Lee, Wong
BEDC: Shah, Chao, Tysvaer, K. Donnelly, Mallon
BLA: H. Donnelly



Environmental
Protection

March 18, 2013

Cashman Dredging
549 South Street
Quincy, MA 02169

Carter H. Strickland, Jr.
Commissioner

Re: **ORDER TO COMMENCE WORK FOR CONTRACT DRG-PB**

Dear Contractor:

Debra E. Butlien
Deputy ACCO
dbutlien@dep.nyc.gov

Transmitted herewith is your duly executed contract **DRG-PB** for furnishing all labor and materials necessary and required for **Paerdegat Basin City Wide Dredging**.

59-17 Junction Boulevard
Flushing, N.Y. 11373

The Contract was:

T: (718) 595-3423
F: (718) 595-3294

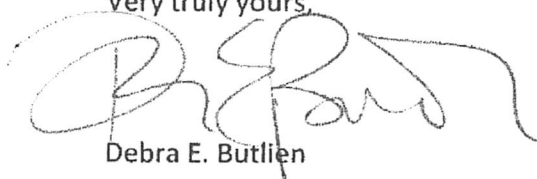
Awarded to you on	January 24, 2013
Executed on	February 11, 2013
Registered by the Comptroller on	March 06, 2013

The Contract was awarded in the amount of **\$8,884,940.00** and the registration number is **CTC 826 20131413906**.

The commence work date is **March 18, 2013**. You must complete the work within **731 consecutive calendar days** as fixed in the General Conditions, or within the time such completion may be extended. The date to complete all work is **March 18, 2015**.

Upon receipt of this order please contact **Nayan Shah**, located at NYC-DEP 96-05 Horace Harding Expressway, 4th Floor, Flushing, NY 11368, **(718) 595-6129**.

Very truly yours,



Debra E. Butlien

APPENDIX B
NYSDEC COMMENTS ON PREVIOUS QUARTERLY REPORT

**NY\$ DEC Comments
Quarterly Report
4th Quarter 2012**

Comments on Quarterly Report:

1. Remove any updates on projects that have been completed during prior quarters, such as Shellbank Basin destratification facility and Paerdegat Basin CSO retention facility. Include only updates on projects completed during the current quarter, ongoing, or upcoming.

Questions/Comments for Quarterly Meeting:

1. Inner Harbor

- a. DEP provide update on the oxygenation system for Gowanus Canal
- b. DEP provide update on submittal of tidal wetlands permit modification

2. Paerdegat Basin

- a. DEC provide update on sampling requirements for PCB oil spill for dredging project (if available)
- b. DEP provide update on contract award for dredging project

3. Jamaica Tributaries

- a. Update on completion of final design on 48-inch parallel interceptor

4. Newtown Creek

- a. DEP provide update on Corps permit for aeration system for lower English Kills.

5. Flushing Creek

- a. Flushing interceptor inspection – confirm if DEP can provide hydraulic profile of sagging section using InfoWorks.

6. General Comments

- a. Provide Basis of Design Reports for upcoming or current projects when available