

City of New York
Department of Environmental Protection
Bureau of Wastewater Treatment

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

QUARTERLY PROGRESS REPORT

**Third Quarter 2015
(July 1 to September 30, 2015)**

October 30, 2015

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1.0 Executive Summary

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) entered into the Combined Sewer Overflow Order on Consent (DEC Case # CO2-20000107-8) on January 14, 2005, as modified April 14, 2008, September 3, 2009, March 8, 2012, and March 26, 2015 (collectively, the “CSO Order”). Pursuant to the Order, the City is required to submit quarterly status reports to DEC (Quarterly Reports) describing actions taken toward achieving compliance with the Order during the prior three-month period. This Quarterly Report reports on DEP’s actions taken between April 1, 2015 and June 30, 2015 toward complying with the Order’s milestones.

Critical Events This Quarter

The following critical events occurred this quarter:

1. **On July 2, 2015 DEP responded to DEC’s comments on the submission of the Engineering Report for the Flushing Interceptor sent May 4, 2015.**
2. **On August 7, 2015 DEP responded to DEC’s June 10, 2015 comments on the Flushing Creek and Hutchinson River LTCP.**
3. **DEP responded on August 12, 2015 to DEC’s May 15, 2015 comments on the 26th Ward High Level Sewer Separation Design Completion.**
4. **DEP sent a response on July 2, 2015 to DEC’s June 17, 2015 comments on the Newtown Creek East Branch Aeration Facility’s Public Notice.**
5. **DEP responded on September 8, 2015 to DEC’s August 8, 2015 comments on the Gowanus Canal LTCP. DEC also stated in their comment letter that the Gowanus CSO dredging project will be removed from the CSO Consent Order.**
6. **DEP responded to DEC’s June 4, 2015 request for information on the Spring Creek CSO chlorination demonstration project scope in a letter sent August 4, 2015.**
7. **DEP responded to DEC’s August 24, 2015 comments on the Bronx River LTCP on September 23, 2015.**
8. **On August 18, 2015, DEP sent an Notice of Force Majeure on the Jamaica Tributaries bending weirs construction, in which a sink hole developed during excavation work.**
9. **DEC sent comments on the Enhanced Aeration at Dutch Kills and Lower Newtown Creek Final Design on August 24, 2015.**
10. **DEC approved on August 24, 2015 the construction completion certification of the 26th Ward WPCP Low Level Main Sewage Pumps.**
11. **On September 4, 2015 DEC stated in a letter that they would be willing to approve DEP’s modification request for the NTP of the Enhanced Aeration in the East Branch and Upper Newtown Creek to October 31, 2015 if the requested information is provided by November 1, 2015.**
12. **DEC’s September 4, 2015 response to DEP’s April 30, 2015 modification request of December 31, 2015 for the Final Design Completion of the Pugsley Creek Parallel**

Interceptor stated that approval is pending submission of the requested information by November 1, 2015.

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 **September 17, 2015 at the Newtown Creek WWTP in Brooklyn, NY**, 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, DEP submitted timely written notification to DEC.

Major Actions Next Quarter

The following major actions are expected to occur between **October and December 2015**:

The next Quarterly Progress Meeting between DEC and DEP **will be held on December 3, 2015 at Hazen and Sawyer’s offices in New York, NY**. Table 2 presents the status of the milestones for next quarter and Table 3 provides a list of outstanding modification requests and force majeure notices.

Table 1 – Milestones Certified This Quarter (Jul - Sept 2015)

LOCATION / PROJECT AREA	ITEM DESCRIPTION	MILESTONE DATE	ACTION REQUIRED	STATUS
	No Milestones due this quarter			

Table 2 – Milestones Next Quarter (Oct – Dec 2015)

LOCATION / PROJECT AREA	ITEM DESCRIPTION	MILESTONE DATE	ACTION REQUIRED	STATUS
Newtown Creek	Enhanced Aeration East Branch/Upper NC	Originally Jun 2015	Notice to Proceed to Construction	Requested mod to October 2015. Response to DEC in progress.
Westchester Creek	Pugsley Creek Parallel Sewer	Originally Jun 2015	Design Completion	Requested mod to December 2015. Response to DEC in progress
Jamaica Bay	26 th Ward Wet Weather Stabilization	Oct 2015	Update WWOP	On Schedule
Flushing Bay	Regulator Modifications	Dec 2015	Notice to Proceed to Construction	On Schedule
Westchester Creek	Modifications to CSO-29 & CSO-29A	Dec 2015	Notice to Proceed to Construction	On Schedule

Table 3 – Outstanding Modification Requests and Force Majeure Notices

LOCATION/ PROJECT AREA	ITEM DESCRIPTION	ACTION(S)	REASON FOR ACTION(S)	MILESTONE DATE	STATUS
Inner Harbor	Gowanus Canal Dredging	Notice of Force Majeure Mar 7, 2014	Gowanus Canal Superfund Record of Decision and analytical data	NTP and Construction Completion	DEC removed project from Consent Order in Aug 8 comment letter on Gowanus LTCP.
Newtown Creek	Enhanced Aeration in East Branch and Upper Newtown Creek	Modification Request for October, 2015	Awaiting ULURP review completion	NTP June 2015	NTP on schedule for Oct 2015
Westchester Creek	Pugsley Creek Parallel Interceptor – Final Design Completion	Modification Request for December 2015	Complexity of design requires redesign and increased scope	Final Design Completion June 2015	DEC granted Mod on Sept 4, 2015
Jamaica Tributaries	Bending Weirs – Construction Completion	Notice of Force Majeure Aug 18, 2015	Sinkhole during construction	Construction Completion June 30, 2015	Force Majeure sent by DEP on Aug 18, 2015

Changes from the previous reporting period are shown in bold.

2.0 Construction Contracts

The CSO 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. Table 4 below lists the construction contracts set forth in Appendix A of the 2012 modification of the Order that have been completed in fulfillment of its requirements. Table 5 below identifies, by percentage, the estimated amount of construction that has been performed on projects that are in progress.

Table 4 – Completed Construction Contracts

WATERBODY	ITEM DESCRIPTION	NOTICE TO PROCEED	CONSTRUCTION COMPLETION	CERTIFIED COMPLETION
Alley Creek	CSO Retention Facility	Dec 2006	Dec 2009	Mar 2011
Paerdegat Basin	Structures and Equipment	Sep 2005	May 2011	May 2011
	Dredging of Paerdegat Basin	Mar 2013	Mar 2015	Nov 2014
Jamaica Tributaries	Destratification Facility	Sep 2010	Mar 2012	Mar 2012
Coney Island Creek	Avenue V Pumping Station Upgrade	Nov 2005	Jun 2012	Jun 2012
	Avenue V Force Mains	Jul 2007	Jun 2012	Jun 2012
Newtown Creek	Enhanced Aeration Lower English Kills	Apr 2013	Mar 2014	Recertified May 2014
	GI Demonstration	Oct 2012	May 2013	May 2013
Bronx River	Floatables Control	Jun 2009	Oct 2012	Oct 2012
Hutchinson River	GI Demonstration	Aug 2012	Apr 2013	Apr 2013
Jamaica Bay	Hendrix Creek Dredging	Feb 2010	Feb 2012	Oct 2011
	GI Demonstration 26 th Ward	Jun 2012	Dec 2012	Dec 2012
Flushing Bay	Tallman Island – Whitestone Interceptor	Dec 2011	July 2015	Dec 2014
Inner Harbor	Gowanus Flushing Tunnel Modernization	Feb 2010	Feb 2015	Feb 2015
	Gowanus Pumping Station Reconstruction	Feb 2010	Feb 2015	Feb 2015

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

Table 5 – Ongoing and Upcoming Construction Contracts and their Status

WATERBODY	ITEM DESCRIPTION	NOTICE TO PROCEED	CONSTRUCTION COMPLETION	PROJECTED COMPLETION	% OF TIME ELAPSED	% OF CONSTRUCTION COMPLETED ⁽¹⁾
Inner Harbor	Dredging of Gowanus Canal	n/a ⁽²⁾	n/a ⁽²⁾		-	-
Flushing Bay	Flushing Interceptor	TBD	TBD	-	-	-
	Divert Low-Lying Sewers	Dec 2014	Dec 2016	Dec 2016	25%	5%
	Raise Weir BB-R02	Jun 2014	Dec 2016	Dec 2016	30%	0%
	Regulator Modifications	Dec 2015	Jun 2018	Jun 2018	-	-
	Flushing Bay Dredging	Mar 2016	TBD ⁽³⁾	TBD ⁽³⁾	-	-
Jamaica Tributaries	Parallel 48-Inch Interceptor	Aug 2014	Feb 2017	Feb 2017	23%	10%
	Bending Weirs	Dec 2014	Jun 2016	Jun 2016	17%	0%
Newtown Creek	Enhanced Aeration East Branch, Upper Newtown Cr	Jun 2015	Jun 2018	Jun 2018	-	-
	Enhanced Aeration Dutch Kills, Lower Newtown Cr	Dec 2016	Dec 2019	Dec 2019	-	-
	Bending Weirs/Floatables Control	May 2015	Dec 2017	Dec 2017	4%	0%
Westchester Creek	Modifications to CSO-29 & 29A	Dec 2015	Dec 2019	Dec 2019	-	-
	Pugsley Creek Parallel Interceptor	Jun 2016	Dec 2019	Dec 2019	-	-
Jamaica Bay	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	-	-
	26 th Ward Low Level MSPs	Aug 2012	Apr 2015 ⁽⁴⁾	Apr 2015	97%	100%
	26 th Ward , High Level MSP	June 2015 ⁽⁴⁾	July 2018 ⁽⁴⁾	Aug 2018 ⁽⁴⁾	25%	-
	26 th Ward PSTs 1-5	Jan 2016 ⁽⁴⁾	Jul 19, 2020 ⁽⁴⁾	Nov 2019 ⁽⁴⁾	-	-
	Rockaway WWTP Conveyance		Dec 2017	Dec 2017	-	-
WI WWTP	MSP Replacement	Mar 2015	Jun 2017	Jun 2017	0%	0%
	Bar Screen	Dec 2014	June 2018			

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

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

(2) In a letter dated August 8, 2015 with comments on the Gowanus Canal LTCP, DEC agreed with DEP's proposal to remove the dredging project due to the potential to conflict with the proposed Superfund remedy outlined in the USEPA's Record of Decision for the Gowanus Canal. As such, DEC will be removing the project from the Consent Order.

(3) Dredging; completion milestone to be submitted as part of the final JAP permit modification request (per the DEC DRAFT JAP permit).

(4) Modifications to the CSO Order related to the Wards Island and 26th Ward WWTPs are memorialized in a Consent Order effective March 26, 2015.

3.0 Detailed Description of Work Performed

3.1. Inner Harbor CSO

The Inner Harbor CSO Facility Planning area consists of the drainage areas of the North River, Newtown Creek, and Red Hook 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. Excluding projects already completed and milestones met, the Consent Order contemplates the following:

- 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 Pumping Station reconstruction to improve operational reliability and redirect flow directly to the Columbia Street Interceptor via a new force main constructed within the Flushing Tunnel.
- Rehabilitation of the Gowanus Canal Flushing Tunnel System with the installation of a new pumping system with redundant, interchangeable pumps that will eliminate shutdowns during low tide and improve maintenance operations.
- The work in Inner Harbor CSO Facility Planning area also includes Area-wide green infrastructure contracts in Gowanus CSO Tributary Drainage Area (TDA), which will saturate the area with as many green infrastructure practices as possible to meet the milestones as outlined in the Order. The Green Infrastructure Program is discussed in Section 3.9 below.

Gowanus Canal was added to the US EPA Superfund National Priorities List (NPL) on March 2, 2010. On September 27, 2013, EPA issued the Record of Decision, which describes the factual and legal basis for the selected remedy for the contaminated sediments and source controls at the site.

Anticipated Design Activities for Next Quarter

- **Dredging has been removed from the CSO Order on Consent.**

Construction Work Performed During This Quarter

- Gowanus Pumping Station and Flushing Tunnel Modernization
 - Interim Oxygen Transfer System (OTS) - There have been 109 anchors removed to date. G Contractor still needs to remove approximately 70 anchors remaining south of Carroll Street Bridge. No work was performed during this period. There was a hold on work through March 2015 due to USEPA installation of a DTS System cable down the center of the Canal which prohibited any activities that could potentially disturb the canal bottom sediment. Additionally, NYC DOT had indicated that the 3rd Street Bridge would be inoperable until March 31, 2015. Removal of remaining anchors recommenced on April

27, 2015. Concrete anchor removal within the canal between STA 16+50 and 24+50 was completed on May 11, 2015. In total, 160 anchors were removed.

- On April 13th, 2015, DEC accepted DEP’s Feb 27 certification of Construction completion for the Flushing Tunnel Modernization and Wastewater Pumping Station (WWPS) Reconstruction was achieved on December 24, 2014, sixty-six (66) days earlier than the modified date of February 28, 2015.

Table 6 – Inner Harbor CSO Projects

<i>Gowanus Canal Pumping Station and Flushing Tunnel</i>	
<i>Contract ID</i>	CSO-GC
<i>Plan Elements</i>	Rehabilitation of Pumping Station and Flushing Tunnel
<i>Location</i>	Gowanus Pumping Station Property Brooklyn
<i>Actions</i>	Wastewater Pumping Station and Flushing Tunnel Pumping System upgrades
<i>Construction Cost</i>	\$160,334,214
<i>Status</i>	Complete
<i>Other Issues</i>	

3.2. 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 – certified complete on December 12, 2014
- ◆ Tallman Island Flushing Interceptor
- ◆ Diversion of low-lying sewers and raising of the weir at BB-R02
- ◆ Regulator Modifications
- ◆ Environmental dredging of Flushing Bay

The work in Flushing Bay CSO Facility Planning area also includes Area-wide green infrastructure contracts in Flushing Bay CSO Tributary Drainage Area (TDA), which will saturate the area with as many green infrastructure practices as possible to meet the milestones as outlined in the Order. For more details on the Green Infrastructure Program, see Section 3.9, below.

Design Work Performed During This Quarter

- Tallman Island Flushing Interceptor
 - Conceptual Design - the conceptual design draft report was reviewed, finalized, submitted to DEC on March 23, 2015.
 - Structural Assessment- Consultant evaluated the inspection projects performed by SewerVue to date and submitted a letter recommending that DEP not move ahead with the structural assessment of the Ulmer Interceptor by SewerVue. This letter was forwarded to DEC on March 23, 2015.
- Divert Low-Lying Sewers
 - Contract registered January 9, 2015.
- Regulator Modifications
 - **Design Completed on March 20, 2015.**
- Environmental Dredging
 - The final design phase of the project is completed; the contract documents are in legal and contracts review. DEP submitted to DPR a permit application to Perform Work on DPR Property on March 25, 2015. DPR approval is pending.

Construction Work Performed During This Quarter

- Tallman Island Whitestone Interceptor
 - Continued landscaping work at Powell's Cove Park

- Maintained erosion and sediment control measures in wetland and adjacent areas.
- DEP certified construction completion on December 12, 2014. DEC inspected the site on January 13, 2015 and accepted the certification on January 21, 2015.
- Regulator Modifications
 - **Construction contract in procurement.**

Anticipated Design Activities for Next Quarter

- Tallman Island Flushing Interceptor
 - **A CCTV/Sonar inspection will be performed to determine whether there has been any further structural deterioration of the pipe.**
- Divert Low-Lying Sewers
 - **Design services during construction (DSDC) to continue at DDC.**
- Regulator Modifications
 - **Design Completed.**
- Environmental Dredging
 - Prepare bid package for the Construction and Construction Management Contracts.

Anticipated Construction Activities for Next Quarter

- **Divert Low-Lying Sewers**
 - **Contractor to start mobilization.**
- Regulator Modifications
 - **Register construction contract and issue NTP.**

Table 7 – Flushing Bay CSO Projects

	<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>	TBD	CS-FB-LLD	CS-FB-BWR	CSO-DRDG DRG-FB
<i>Plan Elements</i>	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 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.	Five 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>	TBD	\$5,610,000	\$28,820,000	\$38,800,000 (based on 100% Design)
<i>Status</i>	TOC (PW-088-03) issued for potential design activities described above	In Construction	Design Completed (In Procurement)	Design Completed
<i>Other Issues</i>				None

3.3. 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.
 - DEP Certified Construction Completion of the Destratification Facility on March 20, 2012, and DEC accepted the certification on July 23, 2012.
- ◆ 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.

The work in Jamaica Tributaries CSO Facility Planning area also includes Area-wide green infrastructure contracts in Jamaica Tributaries CSO Tributary Drainage Area (TDA), which will saturate the area with as many green infrastructure practices as possible to meet the milestones as outlined in the Order. For more details on the Green Infrastructure Program, see Section 3.9, below.

Design Work Performed During This Quarter

- Parallel 48-inch Siphon/Interceptor
 - Continued design services during construction (DSDC).
- Bending Weirs
 - Commenced DSDC.

Construction Work Performed During This Quarter

- Parallel 48-inch Siphon/Interceptor
 - **Placed concrete base slab for North Receiver Pit;**
 - **Completed driving of sheet piles for Launch Pit**
 - **Commenced excavation of Launch Pit**
- Bending Weirs
 - **Completed city water main relocation at JA-3, JA-14 and JA-6**

- **Commenced construction and demolition at regulator JA-3 and JA-14**
- **Jet grouting of slurry wall at JA-3 completed**
- **Demolition and removal of slide gate at JA-3 completed**

Anticipated Design Activities for Next Quarter

- Parallel 48-inch Siphon/Interceptor
 - Continue DSDC.
- Bending Weirs
 - Continue DSDC.

Anticipated Construction Activities for Next Quarter

- Parallel 48-inch Siphon/Interceptor
 - **Prepare North Receiver Pit for receipt of microtunnel machine**
 - **Prepare Launch Pit for launch of microtunnel machine**
 - **Commence work on South Receiver Pit**
- Bending Weirs
 - **Continue demolition activities at JA-3 and JA-14**
 - **Continue construction of support of excavation at JA-6**
 - **Start construction of bending weir extension chamber and access risers at JA-3 and JA-14**

Table 8 – Jamaica Tributaries CSO Projects

	<i>Parallel 48-inch Siphon / Interceptor</i>	<i>Bending Weirs</i>
<i>Contract ID</i>	CS-JA-BBS	CS-JA-BWR
<i>Plan Elements</i>	Parallel 48-inch Sewer	Bending Weirs
<i>Location</i>	Belt Parkway Queens	Regulator J6 on the East Interceptor and regulators J3 and J14 on the West Interceptor
<i>Actions</i>	Design and construct system upgrades	Design and construct system upgrades
<i>Construction Cost</i>	\$20,256,909	\$6,853,955
<i>Status</i>	Construction	Construction
<i>Other Issues</i>		

3.4. 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
 - DEP certified complete and DEC accepted certification May 13, 2014
- ◆ 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 drainage area
 - Updates on the GI Demonstration Project are discussed in the Green Infrastructure Section of this report, below.

The work in Newtown Creek CSO Facility Planning area also includes Area-wide green infrastructure contracts in Newtown Creek CSO Tributary Drainage Area (TDA), which will saturate the area with as many green infrastructure practices as possible to meet the milestones as outlined in the Order. For more details on the Green Infrastructure Program, see Section 3.9.

Newtown Creek was added to the EPA Superfund National Priorities List (NPL) on September 29, 2010.

Design Work Performed During This Quarter

- Enhanced Aeration
 - Bid Opening for the Enhanced Aeration in East Branch and Upper Newtown Creek contract (CSO-NC-3, East Branch Aeration) took place on April 13, 2015. **All three contracts have been awarded. The E & H contracts were registered. NTP will be issued upon the registration of the G contract**
- Completed design for the Enhanced Aeration in Dutch Kills and portions of Newtown Creek project (CSO-NC-4) and sent design completion certification to DEC on June 30, 2015. **Comments on the design were shared by DEC on August 24, 2015.**
-
- **DEC preliminarily accepted the April 2015 NTP Modification Request on September 4, 2015 pending DEP's response to their comments. This approval extends NTP for Construction from June 2015 to October 2015 for the Enhanced Aeration in East Branch and Upper Newtown Creek contract (CSO-NC-3).**
- Bending Weirs and Floatables Control
 - **Continued review of construction contractor submittals.**

Anticipated Design Activities for Next Quarter

- Enhanced Aeration
 - **Register construction contracts for Enhanced Aeration in East Branch and Upper Newtown Creek (CSO-NC-3).**
 - **The ULURP approval process is nearly completed for Enhanced Aeration in East Branch and Upper Newtown Creek (CSO-NC-3).** City Council approved the project subject to DEP negotiating a memorandum of understanding with an athletic organization for the open space portion of the site.
 - **Continue procurement of the construction contract for the Enhanced Aeration in Dutch Kills and Lower Newtown Creek Aeration (CSO-NC-4) project.**
- Bending Weirs and Floatables Control
 - Continue construction activities & review of construction contractor submittals.
 - **Continue construction work.**
 -

Table 9 – Newtown Creek CSO Projects

	<i>Enhanced Aeration 2</i>	<i>Enhanced Aeration 3</i>	<i>Bending Weirs / Floatables Control</i>
<i>Contract ID</i>	CSO-NC-3	CSO-NC-4	CS-NC-REG & FLO
<i>Plan Elements</i>	Enhanced Aeration	Enhanced Aeration	Floatables Controls and Overflow Reduction
<i>Location</i>	East Branch and Upper Newtown Creek	Dutch Kills and Lower Newtown Creek	Dutch Kills, Maspeth Creek, English Kills and East Branch
<i>Actions</i>	The design of the blower building and aeration system submitted June 30, 2014.	The design of the blower building and aeration system continues	Design of bending weirs and baffles, to reduce overflows/floatables
<i>Construction Cost</i>	\$14,676,445	\$31,695,425	\$41,900,419
<i>Status</i>	Design	Design	Construction
<i>Other Issues</i>	Potential delay to NTP if approval of design is not timely provided by NYC Public Design Commission and/or City Planning		

3.5. 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

The work in Westchester Creek CSO Facility Planning area also includes Area-wide green infrastructure contracts in Westchester Creek CSO Tributary Drainage Area (TDA), which will saturate the area with as many green infrastructure practices as possible to meet the milestones as outlined in the Order. For more details on the Green Infrastructure Program, see Section 3.9, below.

Design Work Performed During This Quarter

- Modifications to CSO-29 and 29A
 - **DEP received bids on July 14, 2015 and is currently reviewing bid documents submitted by the low bidder.**
- Pugsley Creek Parallel Interceptor
 - **Final design is 80% complete.**

Anticipated Design Activities for Next Quarter

- Modifications to CSO-29 and 29A
 - **Award contract and issue Notice to Proceed to Construction.**
- Pugsley Creek Parallel Interceptor
 - Final Design to continue.

Table 10 – Westchester Creek CSO Projects

<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>	Design	Continue Design at DDC
<i>Construction Cost</i>	\$15.3 Million	\$65.8 Million (Estimated)
<i>Status</i>	Contractor Procurement	Design underway
<i>Other Issues</i>		Design delays due to underground infrastructure requiring redesign

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

3.6. 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 (Completed)
- Improving conveyance to the Rockaway WWTP
- 26th Ward High Level Sewer Separation (HLSS)
- 26th Ward Preliminary Treatment Reliability Improvements

The work in Jamaica Bay CSO Facility Planning area also includes Area-wide green infrastructure contracts in Jamaica Bay CSO Tributary Drainage Area (TDA), which will saturate the area with as many green infrastructure practices as possible to meet the milestones as outlined in the Order. For more details on the Green Infrastructure Program, see Section 3.9, below.

In addition, the 26th Ward Green Infrastructure Demonstration Project was performed under a separate contract. 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
 - Final Design has been completed for Phases 1a and 1b. Certification letter from DEC received on April 1, 2015.
 - Survey received for Phase 2a. Awaiting survey for Phase 2b.
 - Survey for Phases 3a and 3b have been received.
- 26th Ward Preliminary Treatment Reliability Improvements
 - On December 2014, certified proposed milestone XII.K.5, as revised by Appendix A to the 2015 Order modifying the CSO Order.
 - NOV related to April 2013 milestone for initiation of design was resolved by Consent Order effective March 26, 2015. (2015 Order)
 - PST work (26W-20) Bids received June 18, 2015.
 - HLMSP work (26W-21) NTP on June 01, 2015.

Construction Work Performed During This Quarter

- Hendrix Street Canal Dredging
 - **Finalized and submitted Post Dredge Monitoring Report No. 5 to DEC.**
 - **Initiated and submitted Draft Post Dredge Monitoring Report No. 6 to DEP for review and comment.**

- 26th Ward Preliminary Treatment Reliability Improvements
 - PST work (26W-20) **Pending Award/Registration**
 - HLMSP work (26W-21) **Continue working on wet well repair**

Anticipated Design Activities for Next Quarter

- 26th Ward High Level Sewer Separation
 - Phases 1a and 1b will be sent to Law and ACCO’s office for approval.
 - Survey is expected to be received for Phase 2b. Preliminary Design to continue for Phases 2a, 3a, and 3b.

Anticipated Construction Activities for Next Quarter

- Hendrix Street Canal Dredging
 - **Submit Post Dredge Monitoring Report No. 5 to DEC.**
- 26th Ward Preliminary Treatment Reliability Improvements
 - PST work (26W-20) **Award/Registration**
 - HLMSP work (26W-21) **Continue working on wet well repair and MSP replacement.**

Table 11 – Jamaica Bay CSO Projects

	<i>Rockaway WWTP Conveyance Improvements</i>	<i>26th Ward HLSS</i>	<i>26th Ward Wet Weather Stabilization</i>
<i>Contract ID</i>	Project not yet initiated	CS-FB-SEW	26W-12(CO 128) 26W-21, 26W-20
<i>Plan Elements</i>	Improve collection system and WWTP capacity to achieve 2DDWF		Low Level MSPs High Level MSPs PST#5 PST1-4 Stabilization
<i>Location</i>	Rockaway WWTP, Queens	Fresh Creek, Brooklyn	26 th Ward WWTP, Brooklyn
<i>Actions</i>	None	None	-
<i>Construction Cost</i>	TBD	\$50 million for Phases 1a and 1b (estimated) \$51 million for Phases 2a and 2b (estimated). \$63 million for Phases 3a and 3b (estimated)	LLMSP \$7.6 million 26W-21 \$15 million 26W-20 \$134.4 million
<i>Status</i>	Project not yet initiated	CPIs for all 3 phases have been sent to DDC.	Complete (LLMSPs) In Construction (26W-21) In Procurement/Award (26W-20)
<i>Other Issues</i>			Modifications to Consent Order and milestones for this project were effective Mar 26, 2015.

3.7. Wards Island WWTP Headworks Wet Weather Improvements

The Wards Island WWTP Headworks Wet Weather Improvements consist of work done at the WWTP to increase its wet weather handling capacity. **The projects described in this section 3.7 were added to the 2012 CSO Order through a modification effective March 26, 2015 (DEC Case No. CO2-20140314-01).** The projects are constructed under contracts WI-288(R) and WI-280, which include the following items:

- Reconstruction of Main Sewage Pumps (MSP)
- Bar Screen Replacement

Design Work Performed During This Quarter

Construction Work Performed During This Quarter

- MSP Replacement at Wards Island WWTP
 - **Commenced installation of MSP #5, including electrical work**

Anticipated Construction Activities for Next Quarter

- MSP Replacement at Wards Island WWTP
 - **Completion of the first MSP**
 - **Start Demolition work for the second MSP**
- Bar Screen Replacement at Manhattan and Bronx River Grit Chambers
 - Contractor to start mobilization.

Table 12 – Wards Island WWTP Projects

	<i>MSP Reconstruction</i>	<i>Bar Screen Replacement</i>
<i>Contract ID</i>	WI - 288(R)	WI - 280
<i>Plan Elements</i>	Reconstruction of Six (6) Main Sewage Pumps	Replace Bar Screens at Bronx and Manhattan Grit Chambers
<i>Location</i>	Wards Island WWTP	Wards Island WWTP
<i>Actions</i>	Certification of Notice to Proceed to Construction sent on March 31, 2015	Certification of Notice to Proceed to Construction sent on December 23, 2014
<i>Construction Cost</i>	\$3,689,000	\$13,229,000
<i>Status</i>	The first existing MSP has been released for construction.	Shop witness schedule first week of July 2015 for one screen for each chamber.
<i>Other Issues</i>		Jett requested additional cost to installed BGC bar screen.

Changes from the previous reporting period are shown in bold.

3.8. Environmental Benefits Projects

DEP has undertaken these projects 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 Environmental Benefit Projects (EBPs) are funded by DEP and are 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.

In addition to the EBPs discussed below, the 2012 Order requires that \$2 million in EBP funding be allocated toward the Hutchinson River and Newtown Creek Neighborhood Demonstration Areas. The funding commitment has been met and the Demonstration Area projects are now complete.

2008 CSO EBP Grants

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.

- **Manhattan College**

The installation of approximately 14,666 sq. ft. of a modular green roof project on New York Hospital in Queens was completed in November 2012 and monitoring of flow data continues and is in year **three** of the three year monitoring period.

The total project value is \$660,440; **\$457,040** has been invoiced through July 2015. New York Hospital **supported the plan** to increase the scope of this project by installing and monitoring an additional green roof using existing funds. **Additional trays of green roof plants were grown and installed in September by staff from Manhattan College.** The goal of this new roof would be to test the shade tolerance of the plantings and determine the baseline light requirement beyond which green roof plantings would not survive. **Monitoring of the newly constructed roof will occur concurrently with the previously constructed sections.**

- **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. A topographical survey of the site was conducted. 90% construction designs are in the process of being updated following discussion with NYC DOT to ensure the project conforms to updated pedestrian and traffic calming features. Alternative drainage conveyance into the sewer system will not be required. **Design undergoing revision to comply with DOT requests and to avoid discovered underground utilities.** The total project value is \$448,803; \$75,000 has been invoiced to date as startup fund and subsequent bills have been deducted from the fund. \$2,340.57 remains available in Audubon's startup fund.

- **Regional Plan Association**

Two Sponge Park™ bioretention basins were completed in June 2013 and monitoring equipment were installed shortly afterward. Equipment testing and data collection began in **spring** 2014. Ice formation during the winter of 2014-2015 caused minor damage to some aboveground equipment which will be reinstalled prior to resumption of monitoring

in Spring 2015. Equipment calibration tests scheduled for April to test new sensors which were added since Spring 2014. The total project value is \$600,000; **\$447,350** has been invoiced through **January 2015**.

Gowanus Canal Conservancy

The 6th Street Green Corridor Project built a series of curbside swales ranging from 400 square feet to 1,200 square feet along 6th Street and 2nd Avenue in Brooklyn. Construction began in April **2014** and all major structures for the eleven bioswales were completed by June. Trees and herbaceous plants were installed in early June and are currently being maintained by the Conservancy and the contractor. Installation of tree guards and other aesthetic details has been completed and the **monitoring equipment have been installed**. The site sustained some damage during winter 2014-2015 and **repairs were made by the contractor**. The total project value is \$583,470 (\$873,470 including EPA Grant); **\$413,741** has been billed through **September 2015**.

- **Unisphere, Inc.**

Installation of a 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 entered into a contract agreement with Excav Services and construction began on May 20, 2013. Construction **was completed** in spring 2015 **with the** installation of wetland planting and upland vegetation. The total project value is \$504,340; **\$436,327** was invoiced through **May 2015**.

- **Drexel University**

Project was to 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. Due to high bedrock and low infiltration rate, the proposed location at Stratford Ave is being dropped as a viable site. Alternative sites at the Bronx High School of Science and Flushing International High School **were** submitted as alternate sites and **were** approved by DEC to proceed with full design. Total project value is \$893,493; \$205,108 has been invoiced through September 2014.

Table 13 – 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>
<i>Location:</i>	HP-009 Service Area	Multiple Areas	6th St / 2nd Ave, Brooklyn	Bronx River and Newtown Creek CSO Areas
<i>Description:</i>	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 (\$504,340); NYC Audubon Rego Park Green Streets (\$448,803)	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.
<i>Cost:</i>	Budget: \$850,000 JTD : \$205,108 This Qtr: \$0 Next Qtr: \$100,000	Budget: \$2,213,583 JTD: \$1, 415,717 This Qtr: \$66,315 Next Qtr: \$100,000	Budget: \$583,470 JTD: \$413,741 This Qtr: \$42,654 Next Qtr: \$50,000	Budget: \$250,000 JTD: \$223,244 This Qtr: \$0 Next Qtr: \$0
<i>Status:</i>	Bronx Science brought to 100% design and construction set to begin August 2015. However, due to concerns of the principal, construction is delayed. Flushing International High School: Coordination with TPL is on-going and the EBP start of construction is anticipated late fall 2015.	Manhattan College, Unisphere and RPA completed construction and is in the monitoring phase.. NYC Audubon is updating 90% designs to reflect new DOT Standards	Construction completed July 2014. Monitoring of installations began and will continue for three years.	Working with Riverkeeper to close out their contract.
<i>Other Issues:</i>	Subsurface Drainage	None	None	

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

3.9. Green Infrastructure Program Implementation

This section of the quarterly report provides the status of Green Infrastructure Program implementation required by paragraph IV.C of the 2012 CSO Consent Order. The Order sets forth schedule and stormwater capture targets, and other requirements for the program to reduce runoff and CSO through the use of green infrastructure.

Additionally, the Order contains completion milestones for three Green Infrastructure Demonstration projects and set forth financial requirements including the requirement to spend no less than \$2M of EBP funds on the implementation of two Green Infrastructure Demonstration areas, which has been achieved.

To meet the green infrastructure goals of the Order, DEP has identified Priority Areas based on several criteria, such as annual CSO volume, frequency of CSO events, as well as projected benefits of projects constructed through DEP's Waterbody/Watershed Facility Plans or other system improvements planned for the future. DEP also notes outfalls in close proximity to existing and future public access locations. DEP continues to review and expand the Priority Areas to ensure sufficient green infrastructure implementation to meet the 2030 goal set forth in the Order.

The identification of Priority Areas has enabled DEP to focus resources on specific CSO tributary areas, to analyze all potential opportunities, to saturate these areas with green infrastructure as much as possible, and to achieve efficiencies in design and construction.

DEP has initially focused primarily on the Area-wide right-of-way contracts building Right-of-way bioswales, Stormwater Greenstreets, Right-of-way Rain Gardens, and porous paving. DEP's standardized designs and procedures have been critical to supporting the systematic implementation of green infrastructure at a wide scale. DEP expects to continue green infrastructure implementation using an expanding array of tools. As right-of-way implementation continues and reaches its fullest extent over the long term, DEP will increasingly rely on other, more site-specific opportunities on public and private property. Over time, the proportion of program resources devoted to implementation will shift from right-of-way to public property retrofits and other types of green infrastructure tools.

During the **Third** Quarter of 2015, design and construction work continued in three Green Infrastructure Program initiatives and are generally summarized below. DEP plans to continue this work for the next quarter.

- Ongoing Area-wide green infrastructure contracts design and build thousands of Right-of-way Bioswales, Right-of-way Rain Gardens and Stormwater Greenstreets (ROWBs, ROWRGs and SGSs). Design and construction contracts are being implemented in multiple phases.
- Ongoing siting, design and construction of public property retrofits in coordination with City agency and non-profit partners.
- Ongoing design and construction of Green Infrastructure Grant Program projects on private property.

Below is a status summary of green infrastructure practices and impervious area managed by CSO Tributary Drainage Area (TDA), as of the publish date of this report. The table is cumulative and updated each quarter.

Table 14 – Status of Green Infrastructure Practices and Impervious Area Managed

CSO Tributary Drainage Area	Constructed GI Practices	GI Practices in Construction	Total Impervious Area Managed (ac)
Bronx River	46	1	11.9
East River	62	10	12.0
Flushing Bay	56	466	44.6
Flushing Creek	13	1	2.4
Gowanus Canal	29	84	9.3
Hutchinson River	22	126	17.8
Jamaica Bay	58	877	100.9
Newtown Creek	25	1176	96.5
Westchester Creek	3	0	0.3
Total	314	2,741	295.6

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

- The **295.6** acres represent **0.38%** of the total impervious area in combined sewer areas to be managed.
- DEP is on schedule to achieve 0.7% impervious area managed by end of 2015 and 1.5% by the end of 2016, as described in the 2014 Annual Report.

4.0 Community Relations

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.

During the **Third** Quarter of 2015 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.

Table 15 – Green Infrastructure Meetings

<i>Date</i>	<i>Community Member(s)</i>	<i>Type of Outreach</i>	<i>Attendees</i>
<i>July</i>			
<i>8</i>	<i>Green Infrastructure Grant Workshop, Manhattan</i>	<i>Presentation</i>	<i>40</i>
<i>9</i>	<i>Grey to Green Advisory Committee</i>	<i>Meeting</i>	<i>15</i>
<i>21</i>	<i>Fifth Avenue Committee/Gowanus Canal Conservancy</i>	<i>Meeting</i>	<i>8</i>
<i>Aug</i>			
	<i>No meetings held</i>		
<i>Sept</i>			
<i>8</i>	<i>Green Infrastructure Grant Workshop, Brooklyn</i>	<i>Presentation</i>	<i>15</i>
<i>9</i>	<i>Brooklyn Borough Service Cabinet</i>	<i>Meeting</i>	<i>30</i>
<i>17</i>	<i>Water Infrastructure Steering Committee</i>	<i>Presentation</i>	<i>18</i>
<i>23</i>	<i>Green Infrastructure Grant Program Roundtable</i>	<i>Meeting</i>	<i>5</i>
<i>24</i>	<i>Pratt Design Class</i>	<i>Presentation</i>	<i>10</i>
<i>25</i>	<i>Urban Innovation for Livable Cities Conference</i>	<i>Presentation</i>	<i>30</i>

LTCP Education and Outreach Activities

- **September 9, 2015:** DEP staff presented at the Brooklyn Borough President’s Borough Cabinet Meeting to announce the kick-off meeting of the Coney Island LTCP.
- **September 16, 2015:** DEP held the third LTCP meeting for the Westchester Creek and

Hutchinson River at the Public School 071 Rosa E. Scala in the Bronx. DEP presented information on a summary of previous public meetings, the LTCP process, the Hutchinson River and Westchester Creek watershed characteristics, the LTCP’s proposed final recommendations, and provided opportunities for public input. Approximately twenty people from the public attended the event as well as representatives from the Department of Environmental Protection and the New York State Department of Environmental Conservation.

Planned Activities Not Conducted During This Quarter

- DEP conducted all planned activities this quarter.

Summary of Comments Received

The following is a summary of all e-mails received during the **Third** quarter of 2015:

Table 16 –Community Outreach Email Correspondence this Quarter (Jul – Sep 2015)

	2015			
	Q3			Sub-Totals
	July	Aug	Sept	
RSVP to LTCP Meeting	0	2	16	18
Request to be Added	0	2	0	2
Request to be Deleted	0	0	0	0
Press Inquiries	0	0	0	0
Public Comment	0	0	0	0
General Information	0	0	0	0
Sub-Totals	0	4	16	20

5.0 Changes

The table below provides key personnel as of the **Second Quarter of 2015**.

Table 17 – Key DEP Personnel for Contracts Subject to the CSO Consent Order

Planning Area	Project	DEP Responsible Personnel		
		Bureau	Chief	APM
Inner Harbor	CSO-DRDG: Gowanus Dredging	BEDC	Tysvaer	Chao
	CSO-GC: Flushing Tunnel	BEDC	Clarke	Joseph
	CSO-GC: Gowanus PS	BEDC	Clarke	Joseph
Flushing Bay	CSO-DRDG: Dredging	BEDC	Tysvaer	Chao
	PW-088 Assn. 2B: Flushing Interceptor	BWT	Lochan	Tbd
	CS-FB-LLD: Low-Lying Sewers	BWSO	DeLillo	Gordon/Garin
	CS-FB-LLD R2 Weir	BWT	Tbd	Tbd
	CS-FB-BWR: Regulators	BEDC	Tysvaer	Szeto
TI-WW-1: Whitestone Interceptor	BEDC	Solimando	Sadat	
Jamaica Tributaries	CS-JA-BWR: Bending Weirs	BEDC	Tysvaer	Novotny
	CS-JA-BBS: 48-Inch Sewer	BEDC	Tysvaer	Szeto
Newtown Creek	CSO-NC-4: Dutch Kills, Lower Newtown	BEDC	Tysvaer	Meshkati
	CSO-NC-3: East Branch, Upper Newtown	BEDC	Tysvaer	Meshkati
	CSO-NC-2: Enhanced Aeration Lower English Kills	BEDC	Tysvaer	Adabi
	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	DeLillo	Gordon/Garin
Jamaica Bay	CSO-HC: Hendrix Creek Dredging	BEDC	Tysvaer	N. Shah
	CS-FB-SEW: 26th Ward / Fresh Creek HLSS	BWSO	DeLillo	Gordon/Garin
	CO 26W-128: Low Level Main Sewage Pumps	BEDC	Solimando	Kharivala
	26W-20: 26th Ward Wet Weather Stabilization	BEDC	Solimando	D'Attile
	26W-21: 26th Ward High Level Main Sewage Pumps	BEDC	Solimando	Heim
Wards Island	Reconstruction of Main Sewage Pumps (MSP)	BWT	Lochan	A. Parada
	Bar Screen Replacement	BEDC	Moriarty	N. Shah

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

6.0 Other Issues

Action Items generated during the **June 10, 2015** CSO Quarterly Meeting are summarized below.

Table 158 – Action Items from Quarterly Progress Meeting

<i>Planning Area</i>	<i>Responsible Party</i>	<i>Required Action</i>	<i>Status</i>
Inner Harbor	DEP	<ul style="list-style-type: none"> DEP to send confirmation email on decommissioning of inflatable dams 	Completed
Newtown Creek	DEC	<ul style="list-style-type: none"> DEC to coordinate meeting on Superfund between DEP, DEC and EPA (not strictly related to CSO Order) 	In Progress
	DEP	<ul style="list-style-type: none"> DEP to include Gary on coordination emails for EPA sampling at regulators 	Complete – Coordinate with Ian from DEC
Flushing Bay/Creek	DEP	<ul style="list-style-type: none"> DEP to propose construction completion milestone for Flushing Bay dredging project 	Completed
	DEC	<ul style="list-style-type: none"> DEC to closeout milestone V.I.5 	In Progress
	DEP	<ul style="list-style-type: none"> DEP to setup telecom to discuss water quality results for Flushing Bay LTCP 	Completed
Jamaica Bay/Tribs	DEC	<ul style="list-style-type: none"> DEC to review and respond to Force Majeure (sinkhole) for bending weirs project 	In Progress
	DEP	<ul style="list-style-type: none"> DEP to check on need for interim limits for 26th Ward primary settling tank project 	In Progress
		<ul style="list-style-type: none"> DEP to submit responses to DEC follow-up comments on Spring Creek disinfection pilot study 	Completed
EBPs	DEC	<ul style="list-style-type: none"> DEC to follow-up with J. McLaughlin on National Audubon Society EBP 	In Progress
Misc	DEP	<ul style="list-style-type: none"> Provide flow monitoring and influent sampling data from LTCP sampling efforts (ongoing) 	In Progress

7.0 Status of LTCP Development

The status of all Long-Term Control Plan development is described below. Where only the planning area and a LTCP due date are shown, work has not yet been initiated as of the reporting quarter. All Waterbody/Watershed Facility Plans (WWFPs) have been approved.

- Alley Creek LTCP: June 2013
 - DEC comments received on January 23, 2015
 - **Response sent to DEC on May 6, 2015.**
- Westchester Creek LTCP: June 2014 (modified date)
 - LTCP was submitted on June 30, 2014 in accordance with the requirements of the Order. DEC comments received on September 22, 2014. DEP responded on November 24, 2014.
 - Additional DEC comments received on January 14, 2015.
 - Response sent to DEC April 14, 2015
- Hutchinson River LTCP: September 2014
 - LTCP was submitted on September 30, 2014 in accordance with the requirements of the Order.
 - DEC comments received on January 14, 2015 and a response was sent on April 14, 2015
 - **DEC sent response with comments on June 10, 2015 and DEP responded on August 7, 2015.**
- Flushing Creek LTCP: December 2014
 - LTCP was submitted on December 30, 2014 in accordance with the requirements of the Order.
 - DEC comments received on March 23, 2015 and a response was sent on May 22, 2015.
 - DEC sent response with comment on June 10, 2015 and **DEP responded on August 7, 2015.**
- Bronx River LTCP: June 2015
 - Submitted on-time.
 - **Comments from DEC was received on August 24, 2015.**
- Gowanus Canal LTCP: June 2015
 - Submitted on-time.
 - **Comments from DEC was received on August 5, 2015, and responded to on September 8, 2015.**
- Coney Island Creek LTCP: June 2016 (modified date)
- Flushing Bay LTCP: June 2016 (modified date)
- Jamaica Tributaries and Bay LTCP: June 2017 (modified date)

- Newtown Creek LTCP: June 2017
- Citywide LTCP: December 2017