The City of New York

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October 27, 2006

Mr. Joseph DiMura, P.E.
Director, Bureau of Compliance
Department of environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, NY 12233

RE: Order on Consent (CSO Order)
DEC Case # CO2-20000107-8
Citywide CSO Program - Quarterly Report

Dear Mr. DiMura:

In accordance with Section IV, Paragraphs A-C of the above referenced proposed Consent Order, the New York City Department of Environmental Protection hereby submits the Citywide CSO Quarterly Report for the period of July 1 through September 30, 2006.

Should you require further information, please contact me at (718) 595-5973.

Very truly yours,

James G. Mueller, P.E.
Director
Facilities Planning and Design

JGM:jv

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NEW YORK CITY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN & CONSTRUCTION
DEC CASE # CO2-20000107-8

Combined Sewer Overflow Order on Consent

Quarterly Progress Report – Third Quarter 2006

October 2006

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

CSO Order on Consent
DEC Case # CO2-20000107-8

QUARTERLY PROGRESS REPORT
THIRD QUARTER 2006
(July 1 – September 30)

October 31, 2006

Table of Contents

Table of Contents ..... **i**

List of Tables ..... **ii**

1.0. Executive Summary **1-1**

2.0. Construction Contracts **2-1**

3.0. Detailed Description of Work Performed **3-1**

3.1. Alley Creek CSO *3-1*

3.2. Outer Harbor CSO *3-4*

3.3. Inner Harbor CSO *3-6*

3.4. Paerdegat Basin CSO *3-8*

3.5. Flushing Bay CSO *3-10*

3.6. Jamaica Tributaries CSO *3-14*

3.7. Coney Island Creek CSO *3-17*

3.8. Newtown Creek CSO *3-20*

3.9. Westchester Creek CSO *3-23*

3.10. Bronx River CSO *3-26*

3.11. Hutchinson River CSO *3-29*

3.12. Jamaica Bay CSO *3-32*

3.13. Citywide Comprehensive Floatables Plan *3-34*

4.0. Compliance Status **4-1**

4.1. Unresolved Delays *4-1*

4.2. Compliance Charts *4-1*

5.0. Community Relations **5-1**

5.1. Activities During the Reporting Period *5-1*

5.2. Activities Anticipated for Next Quarter *5-1*

6.0. Key Personnel Changes **6-3**

7.0. Other Issues **7-1**

8.0. Status of LTCP Development **8-1**

List of Tables

Table 1 – Milestones Met (July 2006 - September 2006) 1-1
Table 2 – Milestones Postponed 1-1
Table 3 – Milestones to be Met Next Quarter (October 2006 - December 2006) 1-2
Table 4 – Construction Contracts and their Status 2-1
Table 5 – Alley Creek CSO Project 3-3
Table 6 – Outer Harbor CSO Project 3-5
Table 7 – Inner Harbor CSO Project 3-7
Table 8 – Paerdegat Basin CSO Project 3-9
Table 9 – Flushing Bay CSO Project 3-13
Table 10 – Jamaica Tributaries CSO Project 3-16
Table 11 – Coney Island Creek CSO Project 3-19
Table 12 – Newtown Creek CSO Project 3-22
Table 13 – Westchester Creek CSO Project 3-25
Table 14 – Bronx River CSO Project 3-28
Table 15 – Hutchinson River CSO Project 3-31
Table 16 – Jamaica Bay CSO Project 3-33
Table 17 – Consent Order Milestone Dates 4-1
Table 18: WB/WS Plans Submittal Dates 8-1
Table 19: Completion Status of LTCP Elements 8-2

Appendix

Appendix A – Consent Order Certification Letters

1.0. Executive Summary

The Combined Sewer Overflow "CSO" Order on Consent, DEC Case # CO2-20000107-8 (the "Order"); was entered into by the City of New York ("City") and the New York State Department of Environmental Conservation ("DEC") on January 14, 2005. Pursuant to Section IV, Paragraph A of the Order, the City shall submit quarterly status reports to DEC ("Quarterly Reports"). The Quarterly Reports shall describe the actions that have been taken toward achieving compliance with this Order during the past three-month period. This Quarterly Report sets forth the status of and progress by of the New York City Department of Environmental Protection ("DEP") in complying with the milestones set forth in the Order during the period from July 1, 2006 to September 30, 2006.

Major Actions This Quarter:

Table 1 presents the milestones that were met by DEP this quarter and Table 2 shows milestones that were postponed. For each milestone listed in Table 1 below, either met or postponed, written notification was submitted by DEP to DEC. Copies of these certification letters are provided in Appendix A.

Table 1 – Milestones Met (July 2006 - September 2006)

LOCATION/PROJECT AREA	ITEM DESCRIPTION	ACTION REQUIRED	CONSENT ORDER MILESTONE DATE	DATE MILESTONE WAS ACHIEVED
Coney Island Creek	Avenue V Force Mains	Final Design Completion	September 2006	September 2006

Table 2 – Milestones Postponed

LOCATION / PROJECT AREA	ITEM DESCRIPTION	ACTION REQUIRED	REASON FOR POSTPONMENT	DATE OF POSTPONMENT
Flushing Bay	Mechanical Structures	Construction Completion	Force Majeure	September 2004

As stipulated by the Order, DEP and DEC held a Quarterly Progress Meeting on August 3, 2006. The meeting was held at DEC's offices in Long Island City, NY to discuss issues related to the Order and review milestones met during the last quarter.

DEP continued to make progress in the planning, design and construction of its CSO facilities during this quarter, as documented in this report.

Major Actions Next Quarter*:*

The following major actions are expected to occur between October 2006 and December 2006:

- Hold the next Quarterly Progress Meeting between DEC and DEP on November 8, 2006 at the offices of Hazen and Sawyer in Manhattan, NY.
- Submit written notification to DEC on the following upcoming milestones:

Table 3 – Milestones to be Met Next Quarter (October 2006 - December 2006)

LOCATION/PROJECT AREA	ITEM DESCRIPTION	ACTION REQUIRED	DATE TO BE SUBMITTED
Jamaica Tributaries	Destratification Facility	Final Design Completion	October 2006
Outer Harbor	Inline Storage	Final Design Completion	November 2006
Outer Harbor	Regulator Automation	Final Design Completion	November 2006
Inner Harbor	Inline Storage	Final Design Completion	November 2006
Inner Harbor	Regulator Automation	Final Design Completion	November 2006
Jamaica Tributaries	Regulator Automation	Final Design Completion	November 2006
Alley Creek	Outfall and Sewer System Improvements	Construction Completion	December 2006
Paerdegat Basin	Foundations and Substructures	Construction Completion	December 2006
Alley Creek	CSO Retention Facility	Notice to Proceed to Construction	December 2006

2.0. Construction Contracts

The 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 4 – Construction Contracts and their Status

WATERBODY	ITEM DESCRIPTION	NOTICE TO PROCEED	CONSTRUCTION COMPLETION	PERCENTAGE OF TIME ELAPSED	PERCENTAGE OF CONSTRUCTION COMPLETED
Alley Creek	Outfall and Sewer System Improvements	Dec 2002	Dec 2006	94%	95%
	CSO Retention Facility	Dec 2006	Dec 2009	-	-
Outer Harbor	Regulator Improvements - Fixed Orifices	Feb 2006	Jul 2008	24%	10%
	Regulator Improvements - Automation	Nov 2007	Jun 2010	-	-
	Port Richmond Throttling Facility	Jun 2006	Dec 2008	10%	<1%
Inner Harbor	Regulator Improvements - Fixed Orifices	Feb 2003	Apr 2006	100%	100%
	Regulator Improvements - Automation	Nov 2007	Jun 2010	-	-
	In-Line Storage	Aug 2007	Aug 2010	-	-
Paerdegat Basin	Influent Channel	Feb 1999	Feb 2002	100%	100%
	Foundations and Substructures	Jun 2002	Dec 2006	94%	96%
	Structures and Equipment	Sep 2005	Aug 2011	17%	30%
Flushing Bay	Reroute and Construct Effluent Channel	Jun 1995	Jun 1996	100%	100%
	Relocate Ballfields	Apr 1995	Aug 1995	100%	100%
	Storage Tank	Jul 1997	Aug 2001	100%	100%
	Mechanical Structures	Mar 2002	Dec 2004	100%	90%
	Tide Gates	Dec 2000	Apr 2002	100%	100%

WATERBODY	ITEM DESCRIPTION	NOTICE TO PROCEED	CONSTRUCTION COMPLETION	PERCENTAGE OF TIME ELAPSED	PERCENTAGE OF CONSTRUCTION COMPLETED
	Manual Sluice Gates	Feb 2004	Jun 2005	100%	100%
Jamaica Tributaries	Meadowmere & Warnerville DWO Abatement	Mar 2006	Mar 2009	17%	1%
	Expansion of Wet Weather Capacity of Jamaica WPCP	Jun 2012	Jun 2015	-	-
	Destratification Facility	Aug 2007	Dec 2008	-	-
	Regulator Automation	Nov 2007	Jun 2010	-	-
Coney Island Creek	Avenue V Pumping Station Upgrade	Nov 2005	Apr 2011	15%	12%
	Avenue V Force Main	Jul 2007	Jun 2012	-	-
Newtown Creek	Aeration Zone I	Dec 2005	Dec 2008	25%	<1%
	Aeration Zone II	Jun 2011	Jun 2014	-	-
	Relief Sewer / Regulator Modification	Jun 2010	Jun 2014	-	-
	Throttling Facility	Jun 2009	Dec 2012	-	-
	CSO Storage Facility	Dec 2015	Dec 2022	-	-
Westchester Creek	Phase I (Influent Sewers)	Jun 2011	Jun 2015	-	-
	CSO Storage Facility	Dec 2015	Dec 2022	-	-
Bronx River	Floatables Control	Jun 2009	Jun 2012	-	-
Hutchinson River	Phase I of the Storage Facility	Jun 2011	Jun 2015	-	-
	Future Phases	Dec 2016	Dec 2023	-	-
Jamaica Bay	Spring Creek AWPCP Upgrade	Mar 2003	Apr 2007	86%	84%
	26th Ward Drainage Area Sewer Cleaning and Evaluation	Jun 2008	Jun 2010	-	-
	Hendrix Creek Dredging	Jun 2008	Jun 2010	-	-
	26th Ward Wet Weather Expansion	Jun 2011	Dec 2015	-	-

3.0. Detailed Description of Work Performed

3.1. Alley Creek CSO

The Alley Creek CSO Facilities Planning area consists of the drainage area of CSO Outfall TI-008, which discharges into Alley Creek at a location just south of Northern Boulevard on the west bank of Alley Creek. Little Neck Bay and Alley Creek receive discharges from 31 stormwater outfalls, as well as CSO Outfall TI-008; however, discharges from CSO Outfall TI-008 were determined to be the primary cause of water quality degradation within Alley Creek. CSO Outfall TI-008 serves a drainage area of approximately 1,975 acres within the Tallman Island Water Pollution Control Plant (WPCP) service area in the Borough of Queens. The Alley Creek Drainage Area Improvements/CSO Abatement Facilities Project, which has been designated as Phase I of the comprehensive Alley Creek CSO Abatement Facilities Plan, is being constructed in two stages:

1. Alley Creek Drainage Area Improvements (Stage 1, Contract ER-AC1) and,
2. Alley Creek CSO Abatement Facilities (Stage 2, Contract ER-AC2)

This section reports on the progress of Phase I, Stages 1 and 2 of the Alley Creek CSO Abatement Facilities Plan.

Phase I, Stage 1 (Contract ER-AC1) includes the construction of additional stormwater sewers and combined sewers, a double-barrel outfall sewer, an outfall structure, and a 5 million gallon CSO storage facility to substantially eliminate street flooding and sewer surcharging; and to abate CSO discharges into Alley Creek within the CSO Outfall TI-008 drainage area.

Phase I, Stage 2 (Contract ER-AC2) includes activation of the 5 MG CSO storage facility and upgrading the Old Douglaston Pumping Station to enhance the station's reliability to pump the captured combined sewage to the interceptor system for conveyance to the Tallman Island WPCP for treatment.

Work Performed During This Quarter

Design

- In early July 2006, contract documents for Contract ER-AC2 were finalized to allow the contract to be advertised for bids.
- Work continued on preparation of applications to secure permits and approvals required to implement Contract ER-AC2, including the NYC Department of Business Services Waterfront Permit, NYSDEC Air Facility Registration Application, NYSDEC Joint Application for Permit Modification request, USACE Nationwide Permits concurrence request, NYSDOS Coastal Federal Consistency Assessment re-concurrence request, NYCDCP Local Waterfront Revitalization Program Assessment re-concurrence request, and NYC Art Commission Application including supporting documentation and presentation boards.
- In late July 2006, a revised construction cost estimate for Contract ER-AC2 was prepared.

Bidding

- Contract ER-AC2 was advertised for bids on July 20, 2006.
- A pre-bid conference and site visit for Contract ER-AC2 were held on August 2, 2006.
- The bid opening for Contract ER-AC2 was held on September 7, 2006. Three bids were received with Carp Construction Corporation (Carp) submitting the apparent low bid.
- Analysis of the bids received for Contract ER-AC2 was initiated in mid-September 2006.
- On September 20, 2006, a meeting was held at the DEP offices, between representatives of DEP, URS and Carp, to review the bid prices submitted for Contract ER-AC2 by Carp against the estimated costs. Carp's total bid price was approximately 9 percent higher than the total estimated cost.

Construction

- Construction of Contract ER-AC1 continued. The principal work involved the construction of the 16′-0″ W x 7′-6″ H double-barrel outfall sewer, elevated section of the 20′-0″ W x 7′-9″H double-barrel outfall sewer located above the CSO storage facility, CSO storage facility, outfall structure, and 36-inch diameter storm sewer, all pile-supported and located north of Northern Boulevard. Construction is currently about 92 percent complete.
- Construction of Contract ER-AC2 has not yet been initiated.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

- Contract ER-AC2 will be awarded and a notice to proceed should be issued in late December 2006.
- Work will continue to secure the permits and approvals required to implement Contract ER-AC2 from regulatory agencies and other jurisdictional organizations.
- Construction of Contract ER-AC1 will continue. The principal work will include construction of the double-barrel outfall sewer, CSO storage facility, spillway of the outfall structure and the 36-inch diameter storm sewer located north of Northern Boulevard. In addition, miscellaneous work will be performed including installation of sections of the pumping station force main, and pipes to drain the captured sewage from the storage facility to the pumping station.

Table 5 – Alley Creek CSO Project

	Phase I, Stage 1	*Phase I, Stage 2*
Plan Elements:	Alley Creek Drainage Area Improvements	Alley Creek CSO Abatement Facilities
Location:	46th Avenue, 53rd Avenue, 56th Avenue, Bell Boulevard, Luke Place, 214th Street, 215th Street, 216th Street, 217th Street, Springfield Boulevard, Cloverdale Boulevard, Cross Island Parkway, Northern Boulevard and Alley Park in Bayside, Queens	Northern Boulevard and Alley Park in Bayside, Queens
Actions:	Construction of additional stormwater and combined sewers, catch basins, outfall sewer and outfall structure to effect improved drainage in areas upstream of CSO Outfall TI-008 in Bayside, Queens; construction of 5 MG CSO storage facility for CSO abatement within Alley Creek	Design and construction of modifications to the Old Douglaston Pumping Station including air treatment facilities to treat air exhausted from the CSO storage facility and the pumping station; design and construction of hydraulic control structures and facilities to activate the 5 MG CSO storage facility constructed under Phase I, Stage 1
Cost:	$100,000,000	$29,929,929
Status:	Under construction by Carp Construction Corporation, 95% complete	Contract to be awarded and notice to proceed issued in late December 2006

3.2. Outer Harbor CSO

The Outer Harbor CSO Facility Planning area consists of the drainage areas of the Port Richmond, Oakwood Beach, Owls Head and Coney Island (separately sewered area) Water Pollution Control Plants (WPCPs) and their associated sewers and pumping stations. The receiving waters of the study area include the New York limits of the Raritan Bay, Arthur Kill, Kill Van Kull, Upper New York Bay waters to the boundary of the Inner Harbor CSO Project, the Narrows, Gravesend Bay, Lower New York Bay, Richmond Creek and Lemon Creek. This section reports on the progress for Phase I – Regulator Improvements (Fixed Orifices) and Phase II – Throttling Facility. In addition, the automation of key regulators will be accomplished under the Citywide SCADA Project.

Phase I will provide improvements to 32 regulators in the Outer Harbor study area. Phase II entails the construction of a throttling facility in the Port Richmond east interceptor, which will provide the ability to store up to 5 MG upstream of the Port Richmond WPCP. The Citywide SCADA Project will automate regulators in Outer Harbor.

Work Performed During This Quarter

Design

- Final design of Regulator Automation continued under the BWT's Citywide SCADA Contract.

Construction

- Shop drawing review for the Phase I Regulator Improvements project and the Phase II Throttling Facility is currently in progress.
- Monthly construction progress meetings were held for the Regulator Improvements and the Throttling Facility projects.
- Permits and approvals for construction of the Regulator Improvements and the Port Richmond Throttling Facility are currently being addressed and procured.
- Throttling Facility Contractor to continue mobilization. Detailed CPM schedule submitted for review.
- Groundwater discharge authorization letter for Phase II dewatering issued on August 7.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

- Continue to address DSDC activities for Phase I and II projects.
- Consultant to draft optimal instrumentation control strategy technical memorandum.

Table 6 – Outer Harbor CSO Project

	Phase I	*Phase II*	*Phase III*	*Citywide SCADA*
Plan Elements:	Regulator Improvements – Fixed Orifices	Throttling Facility	In-Line Storage	Regulator Improvements – Automation
Location:	32 regulator sites throughout Brooklyn and Staten Island	Port Richmond WPCP	Owls Head: OH-6C P. Richmond: PR-6W	Regulator sites throughout Brooklyn and Staten Island
Actions:	Conversion to manually operated sluice gates, replacement of stop plank guides, manhole steps, standardization of manhole cover sizes	Installation of throttling facility and sluice gate in Port Richmond east interceptor sewer	Installation of two inflatable dams in the combined sewer system	Conversion to automated regulators
Construction Cost:	$4,390,100	$3,850,000	-	To be determined
Status:	Construction 10% complete.	Construction <1% complete.	Eliminated due to hydraulic issues.	Final Design – 90% Complete
Other Issues:	-	-	DEC approved elimination of this phase of work based on hydraulic issues.	-

3.3. Inner Harbor CSO

The Inner Harbor CSO Facility Planning area consists of the drainage areas of the North River, Newtown Creek, and Red Hook Water Pollution Control Plants (WPCPs) 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. This section reports on the progress of Phase I – Regulator Improvements and Phase II – In-Line Storage. In addition, the automation of key regulators will be accomplished under the Citywide SCADA Project.

Phase I provides improvements to 72 regulators in the Inner Harbor study area. Phase II provides for in-line storage at two inflatable dam locations in the study area. The Citywide SCADA Project will automate regulators in Inner Harbor.

Work Performed During This Quarter

Design

- Work continued on final design of Phase II – In-Line Storage. Final design progressed to 90% complete; a set of drawings and a construction cost estimate were submitted to the City for comments.
- Final design of Regulator Automation continued under the BWT's Citywide SCADA Contract

Construction

- Work is complete on the construction of Phase I, which was broken up into two contracts: Brooklyn Regulator Improvements (32 regulators) and Manhattan Regulator Improvements (40 regulators). The certification of construction completion was submitted to DEC on January 24 and the final inspection was completed by DEC. In a letter dated March 20, 2006, DEC certified compliance with the construction completion milestone.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

- Final design will continue for Regulator Automation and In-Line Storage (ILS) and a final design submittal (drawings and specifications) will be made to DEC and EFC in November 2006, as required by the Order.

Table 7 – Inner Harbor CSO Project

	Phase I	*Phase II*	*Citywide SCADA*
Plan Elements:	Regulator Improvements – Fixed Orifices	In-Line Storage	Regulator Improvements – Automation
Location:	72 regulator sites in Manhattan and Brooklyn	Upstream of regulators B-6 and R-20 in Brooklyn	Regulator sites in Manhattan and Brooklyn
Actions:	Conversion to fixed orifices	Installation of two inflatable dams in the combined sewer systems	Conversion to automated regulators
Construction Cost:	$9,500,000	$8,900,000	To be determined
Status:	Construction Complete	Final Design – 90% Complete	Final Design – 90% Complete

3.4. Paerdegat Basin CSO

The Paerdegat Basin CSO Retention Facility is located in southeastern Brooklyn, at the intersection of Flatlands and Ralph Avenues. The facility will receive combined sewer overflows from outfalls CI –004, CI-005, and CI-006, a drainage area of approximately 6,000 acres in the Coney Island WPCP service area. Once constructed, the facility will consist of a four (4) bay underground storage tank and operations buildings. The stored CSO will be pumped back to the Coney Island WPCP for treatment after each rain event. This section reports on the progress of Phase IA – Influent Channels, Phase II – Foundations and Substructures, and Phase III – Structures and Equipment.

Phase IA includes construction of a major portion of the influent channels and the relief weir. Phase II entails construction of the CSO tank and dredging of the basin. Phase III includes construction of the aboveground buildings, completion of the remaining influent channels and installation of the CSO tank equipment and start-up of the CSO facility.

Work Performed During This Quarter

Planning

- Submitted to DEC and EFC the Paerdegat Basin Drainage Specific LTCP report in November 2005, in compliance with the milestone date in the CSO Consent Order. Transmitted a response to DEC comments and revised LTCP on June 30, 2006.

Construction

- Work has continued on the construction of Phase II - Foundations and Substructures and is approximately 96% complete.
- Work has continued on the construction of Phase III, Superstructures and Equipment, and is approximately 30% complete.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

Construction

- Work will continue on the construction of Phase II, Foundations and Substructures in order to meet the milestone date for Construction Completion by December 2006.
- Work will continue on the construction of Phase III, Superstructures and Equipment in order to meet the milestone date for Construction Completion Date by August 2011.

Table 8 – Paerdegat Basin CSO Project

	Phase IA	*Phase II*	*Phase III*
Construction Phase:	Influent Channels	Foundations and Substructures	Structures and Equipment
Location:	Flatlands and Ralph Avenues, Brooklyn, NY	West Shore of Paerdegat Basin	West Shore of Paerdegat Basin
Actions:	Construction of the influent channels to the CSO facility	Underground structural elements	Aboveground buildings and equipment
Cost:	$9,000,000	$119,101,386	$183,390,078
Status:	Construction completed.	NTP issued on 6/24/02. Construction 96% complete.	NPT issued on 9/26/05. Construction 30% complete.
Other Issues:	-	Dredging of the mouth of the Basin postponed indefinitely due to Belt Pkwy Bridge damage.	-

3.5. Flushing Bay CSO

The Flushing Bay CSO Retention Facility is an underground storage tank, which will have a storage capacity of 43 million gallons, 28 MG in the tank and 15 MG in the upstream sewers. The project is being constructed in phases to provide abatement in the Tallman Island WPCP drainage area at CSO Outfall TI-010 which discharges to the head of Flushing Creek. The elements of the facility include:

- Relocation of ball fields in Kissena Corridor
- Rerouting of Park Drive East CSO line inside the construction site and construction of the effluent channel
- Phase 1 construction of the underground structural elements of the tank
- Phase 2 construction of the mechanical and above-ground portion of the facility
- Construction of tide gates on the tank outfall sewer and construction of two (2) soccer fields

Work Performed During This Quarter

Construction

- Site Work: Continued installation of site curbs and sidewalks. Placed concrete for road and parking lot base. Planted trees and hydroseeded grass areas. Installed cast stone and brick for Kiosk walls.
- Comfort Stations: Installed exterior door and frame.
- Recreation and Maintenance Building: Continued the installation of sheet rock for walls and soffits. Began the installation of black iron and ceiling grids for suspended ceilings. Continued the installation of lighting fixtures. Continue the installation of granite tiles for the front lobby area. Completed the installation of the storefront window at the dance studio and continued the installation of doors and louvers on the south side of the Gymnasium. Began the installation of Elevator No. 3. Began the installation of diffusers and registers, completed the installation of refrigerant, water and drain lines to air conditioners and compressors, and completed installation on said lines.
- Screening Building: Completed the installation of protective screening around the bar screens. Continued the installation of sluice gate floor stands and stems, began the installation of catwalk frames, grates and stairs. Continued the installation of stainless steel handrailing. Completed check-out of the bar sceens. Began the installation of fire dampers at stationary louvers. Pulled control and power cable to actuators and terminated same.Started equipment check-out.
- CSO Facility: Continued installation of HV-6, 7 and 8, blowers and cone check valves. Completed installation of HWS & R piping to HV-5, 7 and 8. Continued installation of duct work. Began the installation of the heavy duty concrete topping on floor at El. -13.00. Continued the installation of control and power cables to all sump pump control panels and various field instruments.

Continued the installation of insulation on HWS & R piping and duct work. Continued the installation of the sprinkler system piping and sprinkler heads. Completed the installation of the 4 and 6 inch gas liens in the Gas Meter Room. Completed hydraulic pressure testing of chemical piping. Continued the installation of exterior lighting. Completed the installation of the Network Compartment equipment and ventilation system. Completing the installation of the Fire Alarm System.

- Regulator No. 9: Completed demolition and raised weir height.

Missed Milestones

- A written notice of a "force majeure" event was submitted to DEC on September 24, 2004. This event has affected compliance with the Construction Completion milestone date of December 2004 for the Flushing Bay CS4-4 (Mechanical Structures) in the Order.
- On September 8, 2004, rainfall at LaGuardia Airport was recorded by the National Weather Service at three inches in a three hour time period. This torrential rain event caused flooding in the basement of the Flushing Bay facility due to a breach in a temporary construction bulkhead in the influent sewer line to the facility. Water levels reached seven to eight feet above the basement floor at the CSO facility which caused damage to various mechanical, HVAC and electrical equipment.
- DEC requested that DEP provide additional information in a formal report concerning the force majeure event and resultant impact upon the facility and construction status. DEP submitted such report on April 1, 2005. DEP has requested an extension of the milestone date to November 2006.

Anticipated Activities for Next Quarter

- Site Work: Complete the installation of curbs and sidewalks. Place asphalt for road and parking lots. Install flagpole. Complete the installation of wrought iron perimeter fencing.
- Comfort Stations: Install ceramic tile for walls and floors.
- Recreation and Maintenance Building: Complete the installation of granite and ceramic tiles in main and secondary lobby and bathrooms. Complete the installation of toilet fixtures. Paint all sheetrock walls. Begin the installation of marlite paneling. Begin the installation of resilient tile and epoxy resin flooring. Begin the installation of cabinetry. Complete the installation of the sprinkler and fire alarm, telephone and building security systems. Complete the installation of Elevator No. 3. Complete the installation of glazing for the storefront. Paint the steel beams and ceiling of the Gymnasium. Begin the installation of the curvature ceiling.
- Screening Building: Run bar screens, correct alignments, and grout and patch around frames. Install gas sensors, pull wire and tie into the Gas Sensor Control Panel. Tie in monorails. Complete installation of handrailings.
- CSO Facility: Continue installation of heavy duty concrete flooring type I and begin installation of heavy concrete topping type II in containment areas. Complete installation of scrubber blowers. Complete installation of secondary pumps, piping, valves and cone

check valves. Complete installation of pipe insulation. Complete installation of duct work and duct insulation. Continue the installation of control cables and perform terminations in control panels and at field instruments. Install raised floor of Control Room. Install roofing at air shaft. Continue start-up and vendor check-out of equipment.

- Botanical Gate Chamber: Place concrete for stairs and roof, install block air shaft, install fan and duct work, install lighting.
- Regulator No. 9: Complete installation of instrumentation, flow sensors, RTU, power and control panels.
- Triple Barrel, Regulator No. 11, Chamber No. 2 and Junction Chamber: Install instrumentation.
- Tie in CSO lines to CSO facility.

Table 9 – Flushing Bay CSO Project

Plan Elements:	Flushing Bay CSO Retention Facility
Location:	Intersection of College Point Boulevard and Avery Avenue, Queens
Actions:	Design and construction of a 43 MG storage facility, which includes a 28 MG, underground storage tank and 15 MG in-line storage in upstream sewers. The facility collects flow from the system tributary to the TI-010 outfall.
Cost:	$291,000,000
Status:	Phase 2 construction started March 2002 and is on-going.
Other Issues:	Damage to mechanical, HVAC and electrical equipment due to a major storm on September 8, 2004 which caused flooding in the facility and delays to construction. Contract change orders for additional work are in progress.

3.6. Jamaica Tributaries CSO

The Jamaica Tributaries project area includes the Jamaica WPCP sewershed area and the tributaries, which receive the wet weather discharges from the drainage area. These tributaries include Bergen, Thurston, Shellbank, and Hawtree Basins, which are located in the northeast portion of Jamaica Bay. There are several recommendations that are being advanced in this facility plan which include:

- Meadowmere & Warnerville DWO Abatement – Construction of a new pumping station, force main, and sanitary sewer collection system in southeast Queens, NY, to convey flows from the communities of Meadowmere and Warnerville into the Jamaica drainage area collection system, for treatment at the Jamaica WPCP. This project will eliminate the dry weather discharge that is currently occurring in these two communities, which are not connected to NYC's collection system.
- Expansion of Wet Weather Capacity of Jamaica WPCP – An additional 50 mgd of wet weather flow will be treated at the Jamaica WPCP to reduce the CSO discharges to Bergen Basin. Recent analyses indicate that this element has limited water quality benefits. Alternative actions are currently being analyzed in the waterbody/ watershed plan and will be submitted to DEC for discussion and review.
- Destratification Facility – Installation of a permanent diffused-air bubble mixing system at Shellbank Basin. The system is designed to eliminate temperature stratification during the summer season, which leads to poor water quality conditions in the basin, odors and marine life kills. This element currently has an operating pilot facility, which has produced positive water and air quality results for the past 7 summer seasons.
- Laurelton and Springfield Blvd. Drainage Plan – A drainage plan for 7,000 acres in southeast Queens is being developed to address flooding and to construct high-level storm sewers in a 1,450 acre CSO drainage area tributary to Thurston Basin. The drainage plan identifies the necessary capital sewer projects to alleviate flooding and convert the aforementioned CSO area to a high-level storm sewer system.
- Regulator Automation – Automation of key regulators was recommended in response to the 1988 State Pollution Discharge Elimination System (SPDES) permit requirements that called for telemetry in the regulators to detect dry weather overflows. It was recommended at those regulators contributing the largest flows to the treatment plants, specifically Regulators 2, 3, and 14 in the Jamaica WPCP drainage area. The Citywide Collection Facilities Supervisory Control and Data Acquisition (SCADA) System Project will automate key regulators in the City by installing electro-hydraulic actuators capable of controlling flows to the sewer interceptor.

Work Performed During This Quarter

Planning

- Continued effort to certify ULURP application and associated land acquisition (coordination effort between DEP, DCP and Law Dept.) for Shellbank Basin Destratification Facility.

- The Destratification Pilot Facility was shut down in September, completing another successful summer season with no odor complaints.
- BWSO and its consultant continued the preparation of a drainage plan for southeast Queens.

Design

- Preparation of the 90% design documents for the Destratification Facility continued.
- Continued work on permit applications and approvals for the Meadowmere/Warnerville DWO Abatement project.
- Final design of Regulator Automation continued, as required by the Order under the BWT's Citywide SCADA Contract.

Construction

- Pre-construction conference held on June 29 for the Meadowmere & Warnerville DWO Abatement Project.
- Initiated DSDC activities for the Meadowmere & Warnerville project. The first construction site meeting was held on September 27.
- Initiated filing for Storm Water Pollution Prevention Plan (SWPPP) permit.

Anticipated Activities for Next Quarter

Planning

- Certification of Shellbank Basin Destratification Facility ULURP application by DCP, and resolution of site acquisition issues.

Design

- Continue preparation of Destratification Facility final design contract documents.

Construction

- Continue DSDC activities.

Table 10 – Jamaica Tributaries CSO Project

Plan Elements:	Meadowmere & Warnerville DWO Abatement	Expansion of Wet Weather Capacity of Jamaica WPCP	Destratification	Laurelton and Springfield Blvd. Drainage Plan	Regulator Automation
Location:	Meadowmere and Warnerville – Queens, New York	Bergen Basin	Shellbank Basin	Jamaica WPCP Drainage Area	Regulators 2,3 and 14
Actions:	Construction of a Pumping Station, Sewer Collection System, and Dual Force Main	Provide an additional 50 mgd of wet weather capacity at the Jamaica WPCP.	Conduct Demonstration Construct Permanent Facility	Develop drainage plan for storm sewer buildout	Provide automated regulators
Construction Cost:	$30,648,888	$120 million	$1,000,000	To be determined	To be determined
Status:	Construction activities initated. DSDC activities initiated.	Recent analyses indicate that this element has limited water quality benefits. Alternative actions are currently being analyzed in the waterbody/ watershed plan and will be submitted to DEC for discussion and review.	- Final Design continued. - ULURP and land acquisition process delayed, due to DCP complications involving the acquisition plan for the original site chosen for the facility.	Drainage planning underway.	Final design underway, 90% complete.

3.7. Coney Island Creek CSO

The recommended plan for the Coney Island Creek CSO Facility Planning Project is to increase the wet weather pumping capacity of the Avenue V Pumping Station. The Avenue V Pumping Station tributary area encompasses 2,900 acres, of which 2,056 acres are separately sewered and 844 acres have combined sewers. The Avenue V Pumping Station capacity will be increased to capture 85 percent, by volume, of the current CSO discharge from outfall OH-021 to Coney Island Creek. The capacity of the pumping station will be increased from approximately 30 mgd to 80 mgd in two construction contracts, a pumping station upgrade phase and a force main construction phase.

Work Performed During This Quarter

Design

- DEP has signed a Memorandum of Understanding with US Army Corps of Engineers, Fort Hamilton to install the force mains adjacent to the Belt Parkway across US Army property.
- Delon Hampton Associates (DHA) has retrieved as-built drawings of various locations and is finalizing any coordination technical issues with the various agencies.
- DEP submitted to DEC and EFC the 100% design submittal for review in accordance with the CSO Order.
- NYCDEP has signed the Con Edison Network Protection Structure Building drawings.

Construction

- The scheme for the support of excavation has been submitted to NYCDEP for review.
- The wet well building superstructure has been demolished. The vintage bricks were reclaimed for the reconstruction of the wing walls.
- Terracotta pieces have been removed and cataloged for replication.
- MOFO 1A the removal of the 36 force main. MOFO 1C removal of the remaining 36" force main has been completed.
- The Resident Engineers office for the pumping station construction work (PS-79G, H, P, E) is occupied.
- Verification of the as built conditions of the substructures is being performed.
- Monthly Progress Meetings are held on the first Tuesday of each month.
- Avenue V Plant Operations equipment and materials are being transferred to the Paerdegat Storage site.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

- Bid the Force Main Contract PS-79F
- Install temporary flow around System A
- Dewatering plan will be submitted to the NYCDEP and NYCDEC for review.

Table 11 – Coney Island Creek CSO Project

	Contracts *PS-79G, H, P, E*	*Contract* *PS-79F*
Plan Elements:	Upgrade Avenue V Pumping Station	New Force Mains
Location:	Avenue V PS (Avenue V and West 11th Street)	42-inch to SE-133 (Shore Pkwy. Vic. Verrazano Bridge); 48-inch to vic. Reg. 9A
Actions:	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 DWF and WWF
Cost:	$68,200,000	$77,600,000
Status:	Notice to Proceed issued on 12/16/05. Construction is 12% complete.	Final Design – 100% Complete
Other Issues:		Routing of force main along parkland; Routing of force main in vicinity of Fort Hamilton; Selective replacement of water and sewer utilities along route; possible seawall/ promenade improvements

3.8. Newtown Creek CSO

The Newtown Creek CSO Facility Planning area consists of the areas in Brooklyn and Queens from which wet weather runoff drains to the Newtown Creek waterbody and its branches: English Kills, Dutch Kills, Whale Creek, Maspeth Creek and the East Branch. For this CSO planning area, the Waterbody/Watershed Facility Plan currently under development will analyze cost effective CSO control measures for this waterbody and potentially propose modifications to the scope of the existing CSO facilities plan, as permitted in the Order in Section III, Paragraph A, Section 3.

This section reports on the progress of facility planning and design of the existing CSO plan, subject to modifications by the Waterbody/Watershed Facility Plan, and includes 1) maximizing flow through the Morgan Avenue Interceptor, 2) the construction of instream aeration facilities (Zone I & II) and 3) the construction of an off-line storage tank.

Maximizing flow through the Morgan Avenue Interceptor will include raising the overflow weir in Regulator B1; increasing the sluice gate openings to the interceptor; providing a relief sewer from the St. Nicholas weir to Regulator B1; and providing a throttling gate on the Kent Avenue Interceptor. The Aeration Facilities (Zone I) includes construction of a landside compressor station and installation of an air header in the creek bottom of the Upper English Kills. Based upon the performance evaluation of the Zone I aeration testing, Zone II aeration may be implemented to expand instream aeration to include the Lower English Kills, the East Branch and Dutch Kills. The off-line storage facility will control CSO discharge to the English Kills and will include a 9 million gallon tank, a pumping station, and a new gravity drain to drain the tank for treatment at the Newtown Creek WPCP.

Work Performed During This Quarter

Planning

- The Bureau of Environmental Planning and Assessment (BEPA) continued their review of the revised CSO Storage Facility Environmental Assessment Statement (EAS), the Air Modeling Report and the Remedial Action Plan (RAP) and Health and Safety Plan (HASP) for the remedial work related to the CSO Storage Facility.
- A meeting was held with the NYC Department of Citywide Administrative Services (DCAS) to discuss and review the Uniform Land Use Review Process (ULURP) as related to the CSO Storage Facility.

Design

- The NYSDEC Joint Permit has expired and a new permit application was submitted to the NYSDEC. Although previously approved, the DEC has revised its review and has determined that the apparent bulkhead is actually a relieving platform and therefore the land beneath the platform is considered wetlands. As a result, the DEC replied to the permit application with a Notice of Incomplete Application (NOIA). A response to the NOIA was prepared was submitted to the DEC on July 18, 2006. The State then issued a second NOIA and a response was prepared and submitted August 25, 2006, with a revised response going to the State September 7, 2006.

- Kent Avenue Throttling Facility design continued. It has been decided to include construction of this facility under Newtown Creek W.P.C.P. Upgrade Contract NC-36.
- A Request for Proposals for Engineering Services for English Kills Aeration Zone II, Regulator B-1 Modifications and St. Nicholas Avenue Weir to Regulator B-1 Relief Sewer has been drafted and the procurement process for these services has begun.

Construction

- An exploratory search for the limits of the platform was performed and the amount and location of wetlands revitalization to offset the resulting wetlands disturbance was identified.
- Tracking of vendor approvals for equipment, shop drawing reviews and responses to the contractors' request for information continued for Contracts NC-EK11G, H and E.
- BEPA is reviewing the modified EAS and Waterfront Revitalization Program Form to ensure consistency with the prior site acquisition for issuance of a modified Negative Declaration.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

- Issuance of modified Negative Declaration
- Continue vendor approval, shop drawing review and response to Request for Information for Contracts NC-EK11G, H and E.
- Continue coordination with BEPA for finalization of the Air Modeling Report, EAS, RAP and HASP for the CSO Storage Facility.
- Continue coordination with NYCDCP for ULURP.
- Continue design for Kent Avenue Throttling Gate.
- Continue procurement process for Engineering Services procurement for English Kills Aeration Zone II, Regulator B-1 Modifications and St. Nicholas Avenue Weir to Regulator B-1 Relief Sewer.

Table 12 – Newtown Creek CSO Project

Plan Elements:	Maximize flow through Morgan Ave. Interceptor	Phase I Aeration Facilities	Off-line Storage Tank
Location:	Regulator B1 and WPCP throttling chamber	Head end of English Kills, south of Grand Street	Sewers tributary to CSO outfall discharging to English Kills
Actions:	Raise overflow weir in Regulator B1; increase sluice gate openings to interceptor; provide relief sewer from St. Nicholas weir to Regulator B1; provide throttling gate on Kent Avenue Interceptor.	Provide aeration of English Kills to raise DO concentrations to a minimum of 1.0 mg/l. The facility includes a landside compressor station and an air header and diffuser assembly on the Creek bottom.	Design of an off-line storage facility to control CSO discharge into English Kills. The facility would include the tank, a pumping station, and a new gravity drain to drain the tank for treatment at the Newtown Creek WPCP.
Cost:	$10,000,000	$56,000,000 (total for Zones I and II)	TBD
Status:	Facility plan elements for modifications to regulator and routing of the relief sewer have been completed. The final design of the throttling facility will be performed under the Newtown Creek WPCP upgrade contract. A Revised Final Facility Plan Report was submitted to the DEC.	Contracts G, H and E have been awarded and a pre-construction meeting was held. DEC issued two Notice of Incomplete Applications to the Joint Permit Application. Responses have been prepared and submitted. Zone II for the lower English Kills, the East Branch and Dutch Kills will follow.	Siting within English Kills was rejected by DEC. Identified preferred site at intersection of Johnson and Morgan Avenues after re-evaluation of siting alternatives. Draft ULURP application submitted to DEP. The EAS, RAP, HASP and Air Modeling Report are under review by BEPA. Preliminary plan and profile drawings and preliminary equipment sizing prepared for construction of tank at preferred location. A Revised Final Facility Plan Report was submitted to the DEC.
Other Issues:	Requires coordination with WPCP planning and design requirements	NYSDEC Joint Permit Application approval is required.	Site approval (ULURP) and acquisition of property required. **As allowed by the Order, the current plan is subject to modifications by the Waterbody/Watershed Facility Plan**.

3.9. Westchester Creek CSO

The Westchester Creek CSO Facilities Planning area consists of the drainage area of CSO Outfall HP-014, which discharges at the head end of the Creek. Westchester Creek receives discharges from five CSO outfalls; however, discharges from CSO Outfall HP-014 were determined to be the primary cause of water quality degradation in the Creek. CSO Outfall HP-014 serves a drainage area of approximately 2,321 acres within the Hunts Point WPCP service area in the Borough of the Bronx. For this CSO planning area, the Waterbody/ Watershed Facility Plan currently under development will analyze cost effective CSO control measures for this waterbody and potentially propose modifications to the scope of the existing CSO facilities plan, as permitted in the Order in Section III, Paragraph A, Section 3.

The current Westchester Creek CSO Abatement Facilities Plan, subject to modifications by the Waterbody/Watershed Facility Plan recommendations, will be constructed in two phases with Phase I consisting of the facilities to divert the combined sewage to the CSO storage tank, as well as rehabilitation of an existing tide gate chamber, and Phase II consisting of the CSO storage tank. In addition to the facilities required for abatement at CSO Outfall HP-014, the DEP has agreed to provide, as part of the project, amenities for use by the Bronxchester and Van Nest Little Leagues that utilize the baseball fields adjacent to the site of the proposed CSO storage tank on the Bronx Psychiatric Center (BPC) Campus. These amenities consist of restroom facilities, a clubhouse facility, a parking lot to be located on top of the CSO storage tank, and fencing to separate the Little League facilities from the BPC Campus facilities and the DEP facilities. This section reports on the progress of the Little League restroom facilities, and Phases I and II of the Westchester Creek CSO Abatement Facilities Plan.

The Little League restroom facilities will be constructed under a separate contract referred to as the Site Preparation Contract in advance of the Phase I contract. Phase I includes construction of the diversion chamber in Eastchester Road, construction of the 2 MG CSO supply/storage conduit along Waters Place between the diversion chamber and the 10 MG CSO storage tank, and rehabilitation of the existing tide gate chamber located at CSO Outfall HP-014. Phase II includes construction of the 10 MG CSO storage tank in the southwest section of the BPC Campus, including an operations building to house operational units, construction of the Little League clubhouse facility and parking lot, and installation of the required fencing at the site.

Work Performed During This Quarter

Planning

- Negotiations continued between New York City Department of City-Wide Administrative Services (DCAS) and the Dormitory Authority of the State of New York (DASNY) regarding acquisition of the site at the BPC Campus by the DEP for the CSO storage tank.
- The Department is procuring services for a surveyor to prepare a metes and bounds description of a permanent easement along the access road into the BPC Campus from Waters Place. This easement, which will be from DASNY to the DEP, is needed to serve

as an emergency access route onto the northeast section of the storage tank site, and will be included as a stipulation in the Contract of Sale for the storage tank site.

- The two existing BPC sewage pumping stations (one operational and one abandoned) located at the site of the storage tank were inspected on September 11 and 12, 2006. The inspections were to determine if asbestos, PCBs, mercury and/or lead are present within the stations. A report documenting the findings, which will include an estimated cost for removal of any of these hazardous materials, will be prepared. This estimated cost will be used in determining the negotiated cost for purchasing the site.

Design

- Work to prepare the Site Preparation Contract for re-bidding remained on hold until the site at the BPC Campus is acquired by the DEP.
- Design of Phases I and II continued.

Construction

- Construction has not yet been initiated.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

- Site acquisition negotiations between DCAS and DASNY will continue.
- Design of Phases I and II will continue.
- Hirani Engineering and Land Surveying will prepare the metes and bounds description of the permanent easement along the access road into the BPC Campus from Waters Place.
- The report documenting the findings of the inspection of the two existing BPC sewage pumping stations will be prepared.

Table 13 – Westchester Creek CSO Project

Plan Elements:	Westchester Creek CSO Supply/Storage Conduit, CSO Storage Tank and Little League Amenities
Location:	Bronx Psychiatric Center Campus, and along Eastchester Road and Waters Place in the Bronx
Actions:	Design and construction of an underground CSO storage tank with a capacity of 12 MG (including the storage capacity within the supply/storage conduit) to provide abatement at CSO Outfall HP-014 on Westchester Creek; design and construction of an operations building; design and construction of amenities for the Bronxchester and Van Nest Little Leagues
Cost:	Under Revision
Status:	Negative Declaration issued for project; ULURP Application approved; design underway for CSO supply/storage conduit, CSO storage tank and clubhouse facility for Little Leagues; design complete for restroom facilities for Little Leagues
Other Issues:	Site needs to be acquired by DEP from the State of New York; licensing agreement between DEP and the Little Leagues needs to be finalized; NYC Building Permit Application, as well as other permit applications, need to be processed for restroom facilities for Little Leagues. As allowed by the Order, the current plan is subject to modifications by the Waterbody/Watershed Facility Plan

3.10. Bronx River CSO

The modified CSO facilities plan for the Bronx River recommends that floatables control facilities be provided at CSO Outfalls HP-004, HP-007 and HP-009, within the Hunts Point WPCP drainage area, to minimize the discharge of unsightly floatable material. This modified plan eliminated the previously proposed 4 MG CSO storage facility due to limited benefits in the improvement of water quality in the Bronx River.

For CSO Outfall HP-004, which is located on the west bank of the Bronx River just north of the Cross Bronx Expressway and serves a drainage area of approximately 582 acres, the recommended floatables control facility consists of providing in-line netting within a new conduit located upstream of the outfall along West Farms Road. For CSO Outfall HP-007, which is located on the east bank of the Bronx River just north of the Sheridan Expressway and serves a drainage area of approximately 1,693 acres, the recommended floatables control facility consists of providing "COPA" screens within Regulators 27 and 27A located upstream of the outfall. For CSO Outfall HP-009, which is located on the east bank of the Bronx River near the confluence with the East River and serves a drainage area of approximately 436 acres, the recommended floatables control facility consists of providing in-line netting within Regulator 13, located within Soundview Park upstream of the outfall.

Work Performed During This Quarter

Planning

- The draft ULURP Application for the floatables control facilities remained under review by the DEP.
- Preparation of the draft EAS for the floatables control facilities continued.
- In early August 2006, documentation was submitted to the DEP Contract Compliance Office to procure the services of a subcontractor to analyze soil and groundwater samples collected from the environmental borings to be drilled at the floatables control facilities sites.

Design

- Design of the floatables control facilities for CSO Outfalls HP-004, HP-007 and HP-009 continued.
- In mid-August 2006, a Field Activities Work and Contingency Plan – Disturbance of Underground Utilities for drilling of the geotechnical borings at the floatables control facilities sites was prepared.
- Drilling of the geotechnical borings at the floatables control facilities sites was initiated on September 18, 2006. The initial drilling was performed at the Regulator 27A site located near the monorail storage shed within the Bronx Zoo property. Drilling is expected to be completed in early October 2006.

Construction

- Construction has not yet been initiated.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

- The draft ULURP Application for the floatables control facilities will be reviewed by the DEP.
- The draft EAS for the floatables control facilities will be completed.
- Design of the floatables control facilities will continue.
- Drilling of the geotechnical borings at the floatables control facilities sites will be completed.

Table 14 – Bronx River CSO Project

Plan Elements:	Floatables Control Facilities at CSO Outfalls HP-004, HP-007 and HP-009
Location:	New conduit (West Farms Road) upstream of CSO Outfall HP-004, Regulator 27 (Bronx Park Avenue) and Regulator 27A (Bronx Zoo) upstream of CSO Outfall HP-007, and Regulator 13 (Soundview Park) upstream of CSO Outfall HP-009
Actions:	Design and construction of floatables control facilities for CSO Outfalls HP-004, HP-007 and HP-009
Cost:	Under Revision
Status:	Preparation of EAS for floatables control facilities underway; draft ULURP Application for floatables control facilities under review; EAS required for land swaps being revised; revised ULURP Application required for land swaps under review; and design of floatables control facilities underway
Other Issues:	EAS for floatables control facilities needs to be completed, approved and Negative Declaration issued; ULURP Application for floatables control facilities needs to be finalized, certified and approved

3.11. Hutchinson River CSO

The Hutchinson River CSO Facilities Planning area consists of the drainage areas of CSO Outfalls HP-023 and HP-024 in the Hunts Point WPCP drainage area. The Hutchinson River receives discharges from five CSO outfalls; however, discharges from CSO Outfalls HP-023 and HP-024 were determined to be the primary cause of water quality degradation in the River. CSO Outfall HP-023, which is located on the west bank of the Hutchinson River near the southern end of Conner Street, serves a drainage area of approximately 300 acres. CSO Outfall HP-024, which is located on the west bank of the Hutchinson River near the intersection of Boston Road and 233rd Street, serves a drainage area of approximately 1,100 acres. For this CSO planning area, the Waterbody/Watershed Facility Plan currently under development will analyze cost effective CSO control measures for this waterbody and potentially propose modifications to the scope of the existing CSO facilities plan, as permitted in the Order in Section III, Paragraph A, Section 3.

The current Hutchinson River CSO Abatement Facilities Plan, subject to modifications by the Waterbody/Watershed Facility Plan, will be constructed in two phases with Phase I consisting of a 4 MG CSO storage tank to provide abatement at CSO Outfall HP-023 and Phase II a 3 MG CSO storage tank to provide abatement at CSO Outfall HP-024. This section reports on the progress of Phases I and II of the Hutchinson River CSO Abatement Facilities Plan.

Phase I includes construction of a southern 4 MG CSO storage tank to be located adjacent to the Hutchinson River wholly within the boundary limits of Public Place Site, which is land near the southern end of Conner Street currently controlled by the DPR. Phase II includes construction of a northern 3 MG CSO storage tank to be located adjacent to the Hutchinson River along Hutchinson Avenue on land currently owned by Pascap Export, Inc.

Work Performed During This Quarter

Design

- Preliminary design of Phases I and II continued.
- Based on the geotechnical borings drilled at the northern and southern storage tank sites, a draft geotechnical investigation report was prepared, and review of the report was initiated.
- A draft report presenting the results of the laboratory analyses of the samples collected from the environmental borings drilled at the southern 4 MG and northern 3 MG storage tank sites was prepared, and review of the report was initiated.
- In late August 2006, DEP submitted the letter report, presenting the results of the laboratory analyses of the samples collected from the environmental borings drilled at the northern 3 MG storage tank site, to the Pascap Export Co., Inc., current owner of the northern storage tank site.

Construction

- Construction has not yet been initiated.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

- Design of Phases I and II will continue.
- The geotechnical investigation report will be finalized.
- The report presenting the results of the laboratory analyses of the samples collected from the environmental borings drilled at the two storage tank sites will be finalized.

Table 15 – Hutchinson River CSO Project

Plan Elements:	Hutchinson River CSO Storage Facilities
Location:	City-owned property at southern end of Conner Street adjacent to Hutchinson River; privately-owned property along Hutchinson Avenue adjacent to Hutchinson River
Actions:	Design and construction of a 4 MG CSO storage tank and a 3 MG CSO storage tank to provide abatement at CSO Outfalls HP-023 and HP-024, respectively; rehabilitation of existing CSO Outfalls HP-023 and HP-024
Cost:	Under Revision
Status:	Preparation of EAS and ULURP Application being coordinated with the CSO Long-Term Control Plan; design underway
Other Issues:	EAS needs to be prepared, approved and Negative Declaration issued; ULURP Application needs to be prepared, certified and approved; sites for CSO storage facilities need to be acquired. As allowed by the Order, the current plan is subject to modifications by the Waterbody/Watershed Facility Plan

3.12. Jamaica Bay CSO

The Jamaica Bay CSO Abatement Facility Plan addresses CSOs in the 26th Ward WPCP drainage area, specifically the CSO discharges to Fresh Creek, Hendrix St. Canal and Spring Creek, as well as other tributary waters with CSO discharges to Jamaica Bay. The Phased plan for the 26th Ward tributaries includes: Phase I includes cleaning of sewers in the 26th Ward drainage area and interim dredging of the head-end of Hendrix St Canal. Subsequent phases include development of waterbody/watershed plans for the 26th Ward tributaries under the Citywide Long Term Control Plan for CSO and expansion of the wet weather capacity of the 26th Ward WPCP by 50 mgd. In addition to the facility plan recommendations, the existing Spring Creek Auxiliary WPCP is undergoing an upgrade. The project was developed under another program, but was subsequently listed as a recommended project in the Jamaica Bay CSO Abatement Facility Plan. The key components of the Spring Creek Auxiliary WPCP upgrade include lowering the roof and providing enhanced HVAC and odor control systems, improved disinfection systems, and new basin wash down systems.

Work Performed During This Quarter

Planning

- For the Hendrix Street Canal CSO sediment dredging project, CSO sediment samples were collected in accordance with the approved sampling plan. Collected CSO sediment samples were submitted to a NYSDEC certified laboratory for analysis and analyses have been completed. Based on results of analysis, CSO sediments will be classified in accordance with NYSDEC TOGS.

Construction

- Construction activities continued at the Spring Creek Auxiliary WPCP upgrade.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

- Preparation of Contract Documents associated with the interim dredging of CSO sediments from the Hendrix Street Canal.
- Additional field work to be undertaken to quantify original creek bottom.

Table 16 – Jamaica Bay CSO Project

Plan Elements:	Dredging	Cleaning of Certain Combined Sewers	Expansion of 26th Ward WPCP Capacity	Spring Creek Upgrade
Location:	Phase I- Interim dredging of Hendrix Street Canal	Phase I-Portions of sewers in Williams, Hegeman and Flatlands Avenues	Phase IV- 26th Ward WPCP, Brooklyn	Spring Creek, Brooklyn
Actions:	Collection of CSO sediment samples completed. Samples have been analyzed. Contract documents for interim dredging currently being prepared	Contract Documents Complete	Increase wet weather capacity by 50 mgd	Upgrade of existing CSO facility
Project Cost:	$15 million	$4 Million	TBD	$87 Million
Status:	On Schedule.	On Schedule	Final Design Initiated	Under construction – 84% complete
Other Issues:	-	-	-	-

3.13. Citywide Comprehensive Floatables Plan

Work Performed During This Quarter

- The Pilot Floatables Monitoring Program commenced in April 2006 upon receipt of NYSDEC approval of the December 2005 Floatables Plan report, which contained the pilot program workplan. Several ongoing program setup tasks, such as creating a photo library to select standard rating photographs, monitoring protocols, and monitoring site reconnaissance, were started during the spring and summer. Monitoring activities have also been initiated.

- On July 27, 2006, DEP and NYSDEC staff held a conference call to discuss basic pilot program progress and inclusion of a public participation component in the program. During that call, it was agreed that the DEP would develop a method to include the public in monitoring activities by starting off on a very small scale and building to a larger scale once program details had been developed. DEP also agreed to include information about the pilot floatables monitoring program as part of the CSO Quarterly Report beginning with the fourth quarter of 2006.

- Overall, the pilot floatables monitoring program has progressed, albeit slower than anticipated, but activities are expected to increase in intensity over the course of the fall in an effort to meet the milestones presented in the Floatables Plan report.

Missed Milestones

- There are no missed milestones.

Anticipated Activities for Next Quarter

- Continue pilot floatables monitoring program activities and related public involvement planning.

4.0. Compliance Status

4.1. Unresolved Delays

4.2. Compliance Charts

The following table summarizes the milestone dates developed in the draft Consent Order and updates available through September 2006:

Table 17 – Consent Order Milestone Dates

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
I. Alley Creek CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	Completed	100
2. Submit Approvable Additional Modified Facility Plan Report	-	Feb. 2004	100
3. Submit Form 2A SPDES Application	-	June 2003	100
B. Comprehensive Watershed Planning			
1. Submit Approvable Alley Creek Waterbody / Watershed Facility Plan Report	July 2004	June 2007	95
2. Submit Approvable East River Waterbody / Watershed Facility Plan Report	-	June 2007	-
C. Outfall and Sewer System Improvements			
1. Initiate Final Design	May 1996	-	100
2. Final Design Completion Including CPM Analysis	-	Mar. 2002	100
3. Notice to Proceed to Construction	Dec. 2002	-	100
4. Construction Completion	-	Dec. 2006	95
D. CSO Retention Facility			
1. Initiate Final Design	May 1996	-	100
2. Final Design Completion Including CPM Analysis	-	Dec. 2005	100
3. Notice to Proceed to Construction	Dec. 2006	-	-
4. Construction Completion	-	Dec. 2009	-
E. Drainage Basin Specific LTCPs			

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
1. Submit Approvable Drainage Basin Specific LTCP for Alley Creek	-	6 mos. after approval of I.B.1.	-
2. Submit Approvable Drainage Basin Specific LTCP for East River	-	6 mos. after approval of I.B.2.	-
II. Outer Harbor CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	Completed	100
2. Submit Additional Modified Facility Plan Report	-	Feb. 2004	100
B. Comprehensive Watershed Planning			
1. Submit Approvable Open Waters Waterbody / Watershed Facility Plan Report	-	June 2007	50
C. Regulator Improvements - Fixed Orifices			
1. Initiate Final Design	Jan. 2004	-	100
2. Final Design Completion Including CPM Analysis	-	April 2005	100
3. Notice to Proceed to Construction	Feb. 2006	-	100
4. Construction Completion	-	July 2008	10
D. Regulator Improvements – Automation			
1. Initiate Final Design	Feb. 2005	-	100
2. Final Design Completion Including CPM Analysis	-	Nov. 2006	90
3. Notice to Proceed to Construction	Nov. 2007	-	-
4. Construction Completion	-	June 2010	-
E. Port Richmond Throttling Facility			
1. Initiate Final Design	June 2004	-	100
2. Final Design Completion Including CPM Analysis	-	Aug. 2005	100
3. Notice to Proceed to Construction	June 2006	-	100
4. Construction Completion	-	Dec. 2008	<1
F. In-Line Storage			
1. Initiate Final Design	July 2005	-	N/A
2. Final Design Completion Including CPM Analysis	-	Nov. 2006	N/A
3. Notice to Proceed to Construction	Aug. 2007	-	N/A

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
4. Construction Completion	-	Aug. 2010	N/A
G. Submit Approvable Drainage Basin Specific LTCP for Open Waters	-	Jan. 2008	-
III. Inner Harbor CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	Completed	100
2. Submit Additional Modified Facility Plan Report	-	Feb. 2004	100
B. Comprehensive Watershed Planning			
1. Submit Approvable Gowanus Canal Waterbody / Watershed Facility Plan Report	-	June 2007	100
C. Regulator Improvements - Fixed Orifices			
1. Initiate Final Design	Mar. 2000	-	100
2. Final Design Completion Including CPM Analysis	-	Sept. 2002	100
3. Notice to Proceed to Construction	Feb. 2003	-	100
4. Construction Completion	-	Apr. 2006	100
D. Regulator Improvements – Automation			
1. Initiate Final Design	Feb. 2005	-	100
2. Final Design Completion Including CPM Analysis	-	Nov. 2006	90
3. Notice to Proceed to Construction	Nov. 2007	-	-
4. Construction Completion	-	June 2010	-
E. In-Line Storage			
1. Initiate Final Design	July 2005	-	100
2. Final Design Completion Including CPM Analysis	-	Nov. 2006	90
3. Notice to Proceed to Construction	Aug. 2007	-	-
4. Construction Completion	-	Aug. 2010	-
F. Submit Approvable Drainage Basin Specific LTCP for Gowanus Canal	-	Jan. 2008	-
IV. Paerdegat Basin CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	Completed	100
2. Submit Additional Modified Facility Plan Report	-	Feb. 2004	100

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
3. Submit Form 2A SPDES Application	-	July 2002	100
B. Comprehensive Watershed Planning			
1. Submit Approvable Paerdegat Basin Waterbody / Watershed Facility Plan Report	-	Mar. 2003	100
C. Influent Channel			
1. Initiate Final Design	Oct. 1994	-	100
2. Final Design Completion Including CPM Analysis	-	Mar. 1997	100
3. Notice to Proceed to Construction	Feb. 1999	-	100
4. Construction Completion	-	Feb. 2002	100
D. Foundations and Substructures			
1. Initiate Final Design	Oct. 1994	-	100
2. Final Design Completion Including CPM Analysis	-	Aug. 2001	100
3. Notice to Proceed to Construction	June 2002	-	100
4. Construction Completion	-	Dec. 2006	96
E. Structures and Equipment			
1. Initiate Final Design	Oct. 1994	-	100
2. Final Design Completion Including CPM Analysis	-	Nov. 2004	100
3. Notice to Proceed to Construction	Sept. 2005	-	100
4. Construction Completion	-	Aug. 2011	30
F. Submit Approvable Drainage Basin Specific LTCP for Paerdegat Basin	-	Nov. 2005	100
V. Flushing Bay CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	Completed	100
2. Submit Additional Modified Facility Plan Report	-	Feb. 2004	100
3. Submit Form 2A SPDES Application	-	June 2003	100
B. Comprehensive Watershed Planning			
1. Submit Approvable Flushing Bay Waterbody / Watershed Facility Plan Report	July 2004	June 2007	70
2. Submit Approvable Flushing Creek Waterbody / Watershed Facility Plan Report	July 2004	June 2007	70

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
C. CS4-1 Reroute and Construct Effluent Channel			
1. Initiate Final Design	Oct. 1992	-	100
2. Final Design Completion Including CPM Analysis	-	Sept. 1994	100
3. Notice to Proceed to Construction	June 1995	-	100
4. Construction Completion	-	June 1996	100
D. CS4-2 Relocate Ballfields			
1. Initiate Final Design	Oct. 1992	-	100
2. Final Design Completion Including CPM Analysis	-	Sept. 1994	100
3. Notice to Proceed to Construction	Apr. 1995	-	100
4. Construction Completion	-	Aug. 1995	100
E. CS4-3 Storage Tank			
1. Initiate Final Design	Dec. 1993	-	100
2. Final Design Completion Including CPM Analysis	-	Sept. 1996	100
3. Notice to Proceed to Construction	July 1997	-	100
4. Construction Completion	-	Aug. 2001	100
F. CS4-4 Mechanical Structures - Initiate Final Design			
1. Initiate Final Design	Dec. 1993	-	100
2. Final Design Completion Including CPM Analysis	-	Feb. 2000	100
3. Notice to Proceed to Construction	Mar. 2002	-	100
4. Construction Completion	-	Dec. 2004	90
G. CS4-5 Tide Gates			
1. Initiate Final Design	Aug. 1998	-	100
2. Final Design Completion Including CPM Analysis	-	Nov. 1999	100
3. Notice to Proceed to Construction	Dec. 2000	-	100
4. Construction Completion	-	Apr. 2002	100
H. CD-8 Manual Sluice Gates			
1. Final Design Completion Including CPM Analysis	-	May 2003	100
2. Notice to Proceed to Construction	Feb. 2004	-	100
3. Construction Completion	-	June 2005	100
I. Drainage Basin Specific LTCPs			

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
1. Submit Approvable Drainage Basin Specific LTCP for Flushing Bay	-	6 mos. after apprvl. of V.B.1.	-
2. Submit Approvable Drainage Basin Specific LTCP for Flushing Creek	-	6 mos. after apprvl. of V.B.2.	-
VI. Jamaica Tributaries CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	April 2003	100
2. Submit Additional Modified Facility Plan Report	-	Feb. 2004	100
B. Comprehensive Watershed Planning			
1. Submit Approvable Bergen Basin Waterbody / Watershed Facility Plan Report	-	June 2007	35
2. Submit Approvable Thurston Basin Waterbody / Watershed Facility Plan Report	-	June 2007	35
C. Meadowmere & Warnerville DWO Abatement			
1. Initiate Final Design	Jan. 2004	-	100
2. Final Design Completion Including CPM Analysis	-	May 2005	100
3. Notice to Proceed to Construction	Mar. 2006	Jun. 2006	100
4. Construction Completion	-	Mar. 2009	1
D. Expansion of Wet Weather Capacity of Jamaica WPCP			
1. Initiate final Design	June 2007	-	-
2. Submit Form 2A SPDES Application	-	June 2010	-
3. Final Design Completion Including CPM Analysis	-	June 2011	-
4. Notice to Proceed to Construction	June 2012	-	-
5. Construction Completion	-	June 2015	-
E. Destratification Facility			
1. Initiate Final Design	Jan. 2006	-	90
2. Final Design Completion Including CPM Analysis	-	Oct. 2006	-
3. Notice to Proceed to Construction	Aug. 2007	-	-
4. Construction Completion	-	Dec. 2008	-
F. Laurelton and Springfield Blvd.			

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
1. Submit Drainage Plan for Storm Sewer Buildout	-	Jan. 2008	60
G. Regulator Automation			
1. Initiate Final Design	Feb. 2005	-	100
2. Final Design Completion Including CPM Analysis	-	Nov. 2006	70
3. Notice to Proceed to Construction	Nov. 2007	-	-
4. Construction Completion	-	June 2010	-
H. Drainage Basin Specific LTCPs			
1. Submit Approvable Drainage Basin Specific LTCP for Bergen Basin	-	Aug. 2012	-
2. Submit Approvable Drainage Basin Specific LTCP for Thurston Basin	-	Aug. 2012	-
VII. Coney Island Creek CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	Apr. 2003	100
B. Comprehensive Watershed Planning			
1. Submit Approvable Coney Island Creek Waterbody / Watershed Facility Plan Report	July 2004	June 2007	90
C. Avenue V Pumping Station Upgrade			
1. Initiate Final Design	April 1998	-	100
2. Final Design Completion including CPM Analysis	-	Jan. 2005	100
3. Notice to Proceed to Construction	Dec. 2005	-	100
4. Construction Completion	-	Apr. 2011	12
D. Avenue V Force Main			
1. Initiate Final Design	Apr. 1998	-	100
2. Final Design Completion Including CPM Analysis	-	Sept. 2006	100
3. Notice to Proceed to Construction	July 2007	-	-
4. Construction Completion	-	June 2012	-
E. Submit Approvable Drainage Basin Specific LTCP for Coney Island Creek	-	Sept. 2007	-
VIII. Newtown Creek CSO			
A. Facility Plan Development			

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
1. Submit Modified Facility Plan Report	-	Oct. 2003	100
B. Comprehensive Watershed Planning			
1. Submit Approvable Newtown Creek Waterbody / Watershed Facility Plan Report	-	June 2007	10
C. Aeration Zone I			
1. Initiate Final Design	Mar. 2001	-	100
2. Final Design Completion Including CPM Analysis	-	Dec. 2004	100
3. Notice to Proceed to Construction	Dec. 2005	-	100
4. Construction Completion	-	Dec. 2008	<1
D. Aeration Zone II			
1. Initiate Final Design	June 2007	-	-
2. Final Design Completion Including CPM Analysis	-	June 2010	-
3. Notice to Proceed to Construction	June 2011	-	-
4. Construction Completion	-	June 2014	-
E. Relief Sewer / Regulator Modification			
1. Initiate Final Design	June 2007	-	-
2. Final Design Completion Including CPM Analysis	-	June 2009	-
3. Notice to Proceed to Construction	June 2010		-
4. Construction Completion	-	June 2014	-
F. Throttling Facility			
1. Initiate Final Design	Dec. 2005	-	100
2. Final Design Completion Including CPM Analysis	-	June 2008	-
3. Notice to Proceed to Construction	June 2009	-	-
4. Construction Completion	-	Dec. 2012	-
G. CSO Storage Facility			
1. Initiate Final Design	Nov. 2010	-	-
2. Submit Form 2A SPDES Application	-	Nov. 2013	-
3. Final Design Completion Including CPM Analysis	-	Nov. 2014	-
4. Notice to Proceed to Construction	Dec. 2015	-	-
5. Construction Completion	-	Dec. 2022	-

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
H. Submit Approvable Drainage Basin Specific LTCP for Newtown Creek	-	Feb. 2016	-
IX. Westchester Creek CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	Apr. 2003	100
2. Submit Form 2A SPDES Application	-	June 2009	-
B. Comprehensive Watershed Planning			
1. Submit Approvable Westchester Creek Waterbody / Watershed Facility Plan Report	July 2004	June 2007	85
C. Phase I (Influent Sewers)			
1. Initiate Final Design	Jan. 2004	-	100
2. Final Design Completion Including CPM Analysis	-	June 2010	20
3. Notice to Proceed to Construction	June 2011	-	-
4. Construction Completion	-	June 2015	-
D. CSO Storage Facility			
1. Notice to Proceed to Construction	Dec. 2015	-	-
2. Construction Completion	-	Dec. 2022	-
E. Submit Approvable Drainage Basin Specific LTCP for Westchester Creek	-	Feb. 2016	-
X. Bronx River CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	Sept. 2003	100
2. Submit Additional Modified Facility Plan Report	-	Mar. 2004	100
3. Submit Form 2A SPDES Application	-	July 2007	-
B. Comprehensive Watershed Planning			
1. Submit Approvable Bronx River Waterbody / Watershed Facility Plan Report	July 2004	June 2007	75
C. Floatables Control			
1. Initiate Final Design	Apr. 2006	Jan. 2006	100
2. Final Design Completion Including CPM Analysis	-	July 2008	25
3. Notice to Proceed to Construction	June 2009	-	-

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
4. Construction Completion	-	June 2012	-
D. Submit Approvable Drainage Basin Specific LTCP for Bronx River	-	Aug. 2009	-
XI. Hutchinson River CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	July 2003	100
2. Submit Form 2A SPDES Application	-	June 2009	-
B. Comprehensive Watershed Planning			
1. Submit Approvable Hutchinson River Waterbody / Watershed Facility Plan Report	July 2004	June 2007	75
C. Phase I of the Storage Facility			
1. Initiate Final Design	Apr. 2005	-	100
2. Final Design Completion Including CPM Analysis	-	June 2010	10
3. Notice to Proceed to Construction	June 2011	-	-
4. Construction Completion	-	June 2015	-
D. Future Phases			
1. Notice to Proceed to Construction	Dec. 2016	-	-
2. Construction Completion	-	Dec. 2023	-
E. Submit Approvable Drainage Basin Specific LTCP for Hutchinson River	-	Feb. 2017	-
XII. Jamaica Bay CSO			
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	Dec. 2003	100
B. Comprehensive Watershed Planning			
1. Submit Approvable Jamaica Bay Waterbody / Watershed Facility Plan Report	-	June 2007	50
2. Submit Approvable Spring Creek Waterbody / Watershed Facility Plan Report	-	June 2007	50
3. Submit Approvable Fresh Creek Waterbody / Watershed Facility Plan Report	-	June 2007	50
4. Submit Approvable Hendrix Creek Waterbody / Watershed Facility Plan Report	-	June 2007	50

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
C. Spring Creek AWPCP Upgrade			
1. Initiate Final Design	Apr. 1998	-	100
2. Final Design Completion Including CPM Analysis	-	Feb. 2002	100
3. Submit Form 2A SPDES Application	-	June 2003	100
4. Notice to Proceed to Construction	Mar. 2003	-	100
5. Construction Completion	-	May 2007	84
D. 26th Ward Drainage Area Sewer Cleaning and Evaluation			
1. Initiate Final Design	Feb 2004	-	100
2. Final Design Completion Including CPM Analysis	-	Jan 2007	90
3. Notice to Proceed to Construction	-	June 2008	-
4. Construction Completion	-	June 2010	-
E. Hendrix Creek Dredging			
1. Initiate Final Design	July 2004	-	100
2. Final Design Completion Including CPM Analysis	-	Jan 2007	20
3. Notice to Proceed to Construction	-	June 2008	-
4. Construction Completion	-	June 2010	-
F. 26th Ward Wet Weather Expansion			
1. Initiate Final Design	June 2006	-	100
2. Final Design Completion Including CPM Analysis	-	June 2010	5
3. Submit Form 2A SPDES Application	-	June 2009	-
4. Notice to Proceed to Construction	June 2011	-	-
5. Construction Completion	-	Dec. 2015	-
G. Drainage Basin Specific Long Term Control Plans			
1. Submit Approvable Drainage Basin Specific LTCP for Jamaica Bay	-	Aug. 2012	-
2. Submit Approvable Drainage Basin Specific LTCP for Spring Creek	-	Aug. 2012	-
3. Submit Approvable Drainage Basin Specific LTCP for Fresh Creek	-	Aug. 2012	-
4. Submit Approvable Drainage Basin Specific LTCP for Hendrix Creek	-	Aug. 2012	-
XIII. Citywide Comprehensive Floatables Plan			

ITEM DESCRIPTION	START DATE	DUE DATE	% COMPLETE
A. Facility Plan Development			
1. Submit Modified Facility Plan Report	-	Dec. 2004	100
XIV. Submit Approvable City-Wide LTCP			
	-	Dec 2017	-

5.0. Community Relations

5.1. Activities During the Reporting Period

The second Open Water LTCP CSO Citizens Advisory Committee (CAC) meeting was held July 12, 2006. The CAC members were given an overview of the public participation process for the Open Water LTCP, a summary of the DEP CSO Consent Order and CSO Planning Projects, an explanation of LTCP CSO Control Evaluation Requirements, an overview of open water CSO control impacts, and a discussion on Alternative Technologies/Interagency Participation.

The third Open Water LTCP CSO CAC meeting was held September 13, 2006 and included a field visit to the Flushing CSO Retention Facility. During the meeting, the CAC members were given an overview of ongoing CSO control alternatives analyses and a short list of potentially viable CSO controls, water quality projections for baseline conditions, NYC water rates, and a presentation on Stormwater Best Management Practices.

Several Stakeholder Team meetings were held this quarter:

- The first Bronx River Stakeholder Team Meeting was held July 20, 2006.
- The first and only Gowanus Canal Stakeholder Team Meeting was held July 25, 2006.
- The second Alley Creek Stakeholder Team Meeting was held July 26, 2006.
- The third Flushing Bay and Creek Stakeholder Team Meeting was held August 1, 2006.
- The second and final Coney Island Creek Stakeholder Team Meeting was held August 2, 2006.
- The first Westchester Creek/Hutchinson River Stakeholder Team Meeting was held September 6, 2006.
- The second Jamaica Bay Stakeholder Team Meeting was held September 14, 2006.
- The first Paerdegat Basin Stakeholder Team Meeting was held September 26, 2006.

The public participation program will continue to be consistent with EPA's CSO Control Policy which requires public participation and input to the process.

5.2. Activities Anticipated for Next Quarter

- The fifth Open Water LTCP CSO Citizens Advisory Committee meeting will be held November 8, 2006.
- The second Bronx River Stakeholder Team Meeting will be held October 12, 2006.
- The third and final Alley Creek Stakeholder Team Meeting will be held October 18, 2006.
- The first Newtown Creek Stakeholder Team Meeting will be held October 25, 2006.

- The second and final Westchester Creek/Hutchinson River Stakeholder Team Meeting will be held October 26, 2006.

6.0. Key Personnel Changes

At this time, there are no major changes in key project personnel to report.

7.0. Other Issues

At this time, there are no other issues identified that may materially affect the work required by this Order.

8.0. Status of LTCP Development

According to the Order, the reporting on the progress of the Drainage Basin Specific LTCP development shall be included in the first and third quarterly reports of each calendar year beginning in the year 2005 and continuing until all Appendix A requirements have been completed and approved. The Order specifies that the following elements shall be addressed: (1) Characterization, Monitoring, and Modeling of the Combined Sewer System; (2) Public Participation; (3) Consideration of Sensitive Areas; (4) Evaluation of Alternatives; (5) Cost/Performance Considerations; (6) Operational Plan; (7) Maximizing Treatment at the Existing WPCP Treatment Plant; (8) Implementation Schedule; and (9) Post Construction Compliance Monitoring.

During the 2nd and 3rd Quarters of 2006, all of the waterbody plans were under development. The revised Paerdegat Basin LTCP was submitted to DEC and the public comment period was initiated. The Gowanus Canal Waterbody/Watershed Facility Plan (WB/WS Plan) was submitted to DEC for review. All other waterbodies are in the WB/WS Plan development phase. During the next quarter, the following WB/WS Plans are anticipated to be submitted to DEC for review:

Table 18: WB/WS Plans Submittal Dates

WB/WS Plan	Target Date for Submittal	Consent Order Date
Alley Creek	October 2006	June 2007
Coney Island Creek	November 2006	June 2007

The table below presents the status of completion of the nine elements of an LTCP for each waterbody.

Table 19: Completion Status of LTCP Elements

Waterbody	Percent Completion of Each LTCP Element								
	1	2	3	4	5	6	7	8	9
	CSS Characterization	Public Participation	Sensitive Areas	Alternatives Evaluation	Cost / Performance	Operational Plan	Maximizing WPCP Treatment	Implementation Schedule	Post-Construction Monitoring
Alley Creek	75	75	90	90	90	90	50	50	75
Bergen Basin	75	50	90	50	25	0	75	0	75
Bronx River	90	90	90	90	90	90	90	90	90
Coney Island Creek	90	100	90	90	90	90	75	75	75
East River	50	50	90	90	90	90	90	90	90
Flushing Bay	90	75	100	75	75	50	90	50	75
Flushing Creek	90	75	100	75	75	50	90	50	75
Fresh Creek	75	50	90	50	25	0	75	0	75
Gowanus Canal	100	100	100	100	100	100	100	100	100
Hendrix Creek	75	50	90	50	25	0	75	0	75
Hutchinson River	90	50	90	75	50	50	50	50	75
Jamaica Bay	75	50	90	50	25	0	75	0	75
Newtown Creek	90	10	90	50	25	0	50	10	75
Open Waters	50	50	90	50	50	0	50	0	75
Paerdegat Basin	100	100	100	100	100	100	100	100	100
Spring Creek	75	50	90	50	25	0	75	0	75
Thurston Basin	75	50	90	50	25	0	75	0	75
Westchester Creek	100	50	100	95	95	95	95	95	95

APPENDIX A

CONSENT ORDER CERTIFICATION LETTERS

The City of New York

DEPARTMENT OF ENVIRONMENTAL PROTECTION

96-05 Horace Harding Expressway
Corona, New York 11368

Emily Lloyd
Commissioner

Alfonso R. Lopez, P.E.
Deputy Commissioner

Bureau of Engineering Design & Construction

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September 26, 2006

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

Re: Order on Consent (CSO Order)
DEC Case #CO2-20000107-8
Certification of Design Completion of Coney Island Creek CSO/Avenue V Force Mains

Dear Mr. DiMura:

In accordance with Section III-F of the above referenced Consent Order for Combined Sewer Overflow (Order), this letter is to certify completion of a final design milestone contained in Appendix A (Milestone VII, D, 2) for the Avenue V Force Mains, by the New York City Department of Environmental Protection (DEP).

In accordance with the definition of design completion set forth in Section III, paragraph H (1) of the Order, approvable plans and specifications are enclosed for your review. These documents are for review purposes only; they are not for public release and therefore are stamped "confidential."

Also included in this submittal is a preliminary CPM schedule diagram for the Avenue V Force Mains, as shown on drawing number X-02.

As required under the Order, approvable plans and specifications are also being provided to Timothy Burns of the NYS Environmental Facilities Corporation. Any necessary addenda to these plans and specifications will be provided as they become available. Please contact me at (718) 595-5973 if you have any questions regarding this submittal.

Very truly yours,

James D. Mueller

James G. Mueller, P.E.
Director
Facilities Planning and Design

JGM:jv
Enclosures

cc: w/attachments
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Facilities Corporation
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Gary E. Kline, P.E.
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New York State Department of Environmental Conservation
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w/out attachments:
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P. Young (H&S), File