The City of New York

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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July 27, 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

**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 April 1 through June 30, 2006.

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

Very truly yours,

for

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

JGM:jv

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
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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 – Second Quarter 2006

## July 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
# SECOND QUARTER 2006
(April 1 – June 30)

July 31, 2006

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# Appendix

# 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 April 1, 2006 to June 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 (April 2006 - June 2006)**

| LOCATION/PROJECT AREA | ITEM DESCRIPTION | ACTION REQUIRED | CONSENT ORDER MILESTONE DATE | DATE MILESTONE WAS ACHIEVED |
|---|---|---|---|---|
| Inner Harbor | Regulator Improvements – Fixed Orifices | Construction Completion | April 2006 | January 2006 |
| Outer Harbor | Port Richmond Throttling Facility | Notice to Proceed to Construction | June 2006 | June 2006 |
| Jamaica Bay | 26th Ward Wet Weather Expansion | Initiate Final Design | June 2006 | June 2006 |
| Jamaica Tributaries | Meadowmere and Warnerville DWO Abatement | Notice to Proceed to Construction | March 2006 * | June 2006 |

* - an extension of this milestone to June 2006 was granted by DEC

**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 May 4, 2006. The meeting was held at Hazen and Sawyer's offices in New York City 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 July 2006 and September 2006*:*

- Hold the next Quarterly Progress Meeting between DEC and DEP on August 3, 2006 at DEP's offices in Kingston, NY.
- Submit written notification to DEC on the following upcoming milestones:

**Table 3 – Milestones to be Met Next Quarter (July 2006 - September 2006)**

| LOCATION/PROJECT AREA | ITEM DESCRIPTION | ACTION REQUIRED | DATE TO BE SUBMITTED |
|---|---|---|---|
| Coney Island Creek | Avenue V Force Mains | Final Design Completion | September 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 | 88% | 89% |
| | CSO Retention Facility | Dec 2006 | Dec 2009 | - | - |
| **Outer Harbor** | Regulator Improvements - Fixed Orifices | Feb 2006 | Jul 2008 | 14% | <1% |
| | Regulator Improvements - Automation | Nov 2007 | Jun 2010 | - | - |
| | Port Richmond Throttling Facility | Jun 2006 | Dec 2008 | - | - |
| **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 | 89% | 95% |
| | Structures and Equipment | Sep 2005 | Aug 2011 | 13% | 19% |
| **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 | 8% | - |
| | 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 | 11% | 9% |
| | Avenue V Force Main | Jul 2007 | Jun 2012 | - | - |
| **Newtown Creek** | Aeration Zone I | Dec 2005 | Dec 2008 | 17% | <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 | 80% | 80% |
| | 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, will be 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 late May 2006, NYSDEC officially approved the contract documents for Contract ER-AC2; however, in their approval letter, the NYSDEC indicated that the approval was contingent upon several questions regarding the project being answered. In late June 2006, DEP submitted responses to the questions to the NYSDEC.
- Contract documents for Contract ER-AC2 continued to be prepared for bidding. It is planned to advertise Contract ER-AC2 for bids in late July 2006.
- Work continued on preparation of applications to secure permits and approvals required to implement Contract ER-AC2, including modifying the existing Joint Application for Permit.
- On June 30, 2006, a meeting was held at the New York City Department of Parks and Recreation (DPR) Olmstead Center, between representatives of DEP, DPR and URS, to discuss outstanding issues associated with Contract ER-AC2. These issues involved site

restoration requirements as mitigation for disturbance due to construction activities, and repair of the Alley Pond Environmental Center building floor slab.

*Construction*

- Construction of Contract ER-AC1 continued. The principal work involved the construction of the pile-supported 16′-0″ W x 7′-6″ H double-barrel outfall sewer located north of Northern Boulevard, the pile-supported 16′-0″ W x 7′-6″ H double-barrel outfall sewer crossing under the Cross Island Parkway, the pile-supported elevated section of the 20′-0″ W x 7′-9″H double-barrel outfall sewer located above the CSO storage facility on the north side of Northern Boulevard, and the CSO storage facility and outfall structure located north of Northern Boulevard. Construction is currently about 89 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 advertised for bids in late July 2006 with the bid opening scheduled for late August 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 CSO storage facility, and the spillway of the outfall structure north of Northern Boulevard. In addition, miscellaneous work will be performed including installation of sections of the pumping station force main, storm sewers in proximity to the storage facility, 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 | Under Revision |
| Status: | Under construction by Carp Construction Corporation, 89% complete | Contract to be advertised for bids in late July 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), Phase II – Throttling Facility and Phase III – In-Line Storage. 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. Phase III proposes in-line storage at two inflatable dam locations in Outer Harbor. 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.
- The final design of the Phase II Port Richmond Throttling Facility was presented to the Staten Island Community Board No. 1 Public Service Committee meeting on June 1.

*Construction*

- Shop drawing review for the Phase I Regulator Improvements project is currently in progress.
- The first construction progress meeting for the Regulator Improvements project was held on June 14.
- Permits and approvals for construction of the Port Richmond Throttling Facility are currently being addressed and procured.
- The Order to Commence Work for the Port Richmond Throttling Facility to Angelakis Construction Corp. occurred on June 19.
- The preconstruction conference for the Port Richmond Throttling Facility was held on June 21.

**Missed Milestones**

- There are no missed milestones.

**Anticipated Activities for Next Quarter**

- Contractor to continue mobilization and submit detailed CPM schedule for Regulator Improvements project, and DSDC activities to be addressed.

- DSDC activities to be addressed for the Port Richmond Throttling Facility.
- Consultant to draft optimal instrumentation control strategy technical memorandum.
- Continue work on NYSDEC and DEP applications to permit temporary dewatering during construction.

**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<br>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: | Notice to proceed to construction. | Notice to proceed to construction. | Eliminated due to hydraulic issues. | Final Design – 70% Complete |
| Other Issues: | - | Private property owner's approval is requested to allow contractor to move fence to property line to facilitate construction of temporary roadway. A response has not yet been received from the private property owner. | Submitted determination letter and technical analysis to DEC to eliminate this phase of work. | - |

## 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 advancing to the 90% completion; a report including the response to comments to the 60% design completion and draft specifications were sent to the City for review. Presentations were made to Brooklyn Community Board 1 for Regulator B-6 and Brooklyn Community Board 2 for Regulator R-20.
- 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 NYSDEC on January 24 and the final inspection was completed by NYSDEC. In a letter dated March 20, 2006, NYSDEC 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).

## 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 | $6,750,000 | To be determined |
| Status: | Construction Complete | Final Design – 70% Complete | Final Design – 70% 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 95 % complete.
- Work has continued on the construction of Phase III, Superstructures and Equipment, and is approximately 19% 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 95% complete. | NPT issued on 9/26/05. Construction 19% 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. Began the installation of granite tiles for the front lobby area. Began 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. Began the installation of fire dampers at stationary louvers. Pulled control and power cable to actuators and terminated same.
- CSO Facility: Received delivery of HV-5, 7 and 8, blowers and cone check valves and began installation. 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. Continued the installation of the 4 and 6 inch gas liens in the Gas Meter Room. Continued 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. Install steel beams and rafters for Kiosk roofs.
- 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 or Control Room. Install roofing at air shaft.

- 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.

## 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.<br>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 6 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.

- Destratification Pilot Facility was placed back in service on June 19, for the 2006 summer season.
- Continued the preparation of a drainage plan for southeast Queens.

*Design*

- Preparation of the 90% design documents for the Destratification Facility continued.
- Completed work on NYSDEC tidal wetlands application, and other 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.
- Final Design of the Meadowmere and Warnerville project was presented to the Queens Community Board No. 13 on May 9.

*Construction*

- Construction has not yet initiated for this project.

**Anticipated Activities for Next Quarter**

*Planning*

- Certification of Shellbank Basin Destratification Facility ULURP application by DCP, and resolution of site acquisition issues.
- Continue to maintain and monitor Destratification pilot facility.

*Design*

- Continue preparation of Destratification Facility final design contract documents.

*Construction*

- Receive approved NYSDEC tidal wetlands and dewatering permits for contractor to initiate construction activated for the Meadowmere & Warnerville project.
- Initiate DSDC activities for the Meadowmere & Warnerville project and hold a construction kick-off meeting.
- Resolve ongoing permit application issues with USACOE and DOB.

## 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<br>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: | - NYSDEC permit applications were publicly noticed in DEC's ENB and the Daily News<br>- Resolving USACOE and DOB permit application issues. | 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 Initiated.<br>- 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, 70% 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 is currently preparing 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 attempting to locate plans for the ramps to Verrazano Bridge. DHA has also contacted NY City Transit and retrieved plans for the foundation of elevated structures at Stillwell Avenue and 27$^{th}$ Avenue.
- DHA has submitted the 70 % drawing for review with the NYCDEP. Comments are expected.
- DHA and their Subconsultant Dirtworks are currently working with NYC DPR coordinating tree removal and replacement along the force main route.
- DHA has identified the extent of the pit excavation for the tunneling and jack and bore sections and documenting the staging area required for such an operation.
- An automobile tour of the Contract PS-79F force main route was given to the NYSDEC by NYCDEP.

*Construction*

- The scheme for the support of excavation has been submitted to NYCDEP for review.
- The test dewatering wells for the drawdown test are currently being tested.
- The storage building has been demolished.
- Terracotta pieces have been removed and cataloged for replication.
- MOFO 1A the removal of the 36 force main has been completed. MOFO 1C removal of the remaining 36" force main has been submitted to the NYCDEP for review.
- Plans for the accelerated demolition of the wet well superstructure have been approved.
- 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**

- Continue work for the finalization of the plans and specifications for the force main in compliance with the Consent Order milestone date of September 2006.
- MOFO 1C will be submitted to the NYSDEC for review.
- Dewatering plan will be submitted to the NYCDEP and NYCDEC for review.
- A design workshop on the forcemain work will be held on July 10, 2006 at the Construction Unit field office. The NYSDEC cannot attend so a follow up meeting will be planned.

## 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 | $67,700,000 |
| Status: | Notice to Proceed to Construction issued on 12/16/05 | Final Design – 70% 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 Remedial Action Plan (RAP) and Health and Safety Plan (HASP) for the remedial work related to the CSO Storage Facility.
- The Air Modeling Report was revised to incorporated BEPA's latest comments and submitted for BEPA review.
- A Uniform Land Use Review Process (ULURP) Pre-Application meeting was held with NYC Department of City Planning (DCP).

*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). URS is drafting a response addressing the DEC's comments.

- 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. The Project Manager responsible for this project has left the Department and work will continue in his absence.

*Construction*

- A pre-construction meeting for the Zone I Aeration Facility was held.
- Vendor approvals for equipment continue for Contracts NC-EK11G, H and E.
- Shop drawing review continues for Contracts NC-EK11H and E and commenced for Contract NC-EK11G.

**Missed Milestones**

- There are no missed milestones.

**Anticipated Activities for Next Quarter**

- Respond to NYSDEC's Notice of Incomplete Application
- 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<br>(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.<br>DEC issued a Notice of Incomplete Application to the Joint Permit Application. A response is being prepared.<br>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.<br>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.
- In early May 2006, the Office of the Mayor of NYC provided DEP a copy of Certificate CBX-8380 indicating approval for the DEP to purchase the site for the CSO storage tank at the BPC Campus.

- On May 22, 2006, a meeting was held at the DEP offices, between representatives of DEP, DCAS and URS, to discuss issues associated with acquisition of the project site at the BPC Campus. These issues included use of the soccer field presently located at the project site by soccer organizations, ownership and operation/maintenance of the existing BPC pumping station at the site, installation of a chain link fence around the entire perimeter of the site following acquisition by the DEP, maintenance of the site by the DEP, and easement requirements following acquisition of the site by the DEP.
- On June 22, 2006, a meeting was held at the DASNY offices in Manhattan, between representatives of DEP, DCAS, DASNY, BPC and URS, to discuss similar issues discussed at the May 22nd meeting.

*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.
- A plan for installation of a chain link fence around the entire perimeter of the project site following acquisition of the site by the DEP was developed.
- 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.

## 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 revised ULURP Application for the 4 MG CSO storage facility, as related to the land swaps in the vicinity of CSO Outfall HP-007, remained under review by the DEP.
- On April 5, 2006, a meeting was held at the DEP offices, between representatives of the DEP and URS, to discuss responses to DEP review comments on a previously submitted version of the draft EAS for the 4 MG CSO storage facility. These comments addressed traffic, air quality and noise impact issues.
- On June 6, 2006, a meeting was held at the DEP offices, between representatives of the DEP and URS, to further discuss revisions to the traffic, air quality and noise impact sections of the draft EAS for the 4 MG CSO storage facility.
- Based on discussions at the April 5$^{th}$ and June 6$^{th}$ meetings, additional traffic, air quality and noise impact analyses were performed, and the respective sections of the draft EAS were revised to incorporate the results of the additional analyses.
- The DEP initiated review of the draft ULURP Application for the floatables control facilities.
- Preparation of the draft EAS for the floatables control facilities continued.
- Based on an evaluation of cost proposals received in late April 2006, Aquifer Drilling and Testing, Inc. was selected to drill the environmental borings and install groundwater monitoring wells at the sites of the floatables control facilities. Documentation to obtain approval to have Aquifer Drilling and Testing, Inc. perform the work remained under review by the DEP.

- The work plan for drilling the environmental borings and installing the groundwater monitoring wells at the sites of the floatables control facilities, and for analyzing the soil and groundwater samples collected from the borings remained under review by the DEP.

*Design*

- Design of the floatables control facilities for CSO Outfalls HP-004, HP-007 and HP-009 continued.
- On April 3, 2006, a meeting was held at the DEP offices, between representatives of DEP, URS, HydroQual, Inc., Hazen and Sawyer Engineers, and O'Brien and Gere Engineers, to discuss possible alternatives for increasing in-line CSO storage within the Hunts Point WPCP sewer system, which includes the sewer system where the floatables control facilities will be located. Based on this meeting, design of the floatables control facilities continued as presently planned, and alternatives for increasing the in-line storage continued to be explored.
- A revised Health and Safety Plan (HASP) for Aquifer Drilling and Testing, Inc. to perform the on-site drilling of the geotechnical borings at the floatables control facilities sites, and a revised HASP for URS to perform the on-site inspection of the drilling of the geotechnical borings were approved by DEP in early June 2006.

*Construction*

- Construction has not yet been initiated.

**Missed Milestones**

- There are no missed milestones.

**Anticipated Activities for Next Quarter**

- The revised ULURP Application for the 4 MG CSO storage facility, as required for the land swaps, will be reviewed by the DEP.
- The draft EAS for the 4 MG CSO storage facility, as required for the land swaps, will be completed and reviewed by the DEP.
- 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.
- Environmental borings will be drilled and groundwater monitoring wells will be installed at the floatables control facilities sites.
- Design of the floatables control facilities will continue.
- Geotechnical borings will be drilled at the floatables control facilities sites.

## 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; revised EAS required for land swaps needs to be completed, approved and Negative Declaration issued; and revised ULURP Application required for land swaps 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 by Jersey Boring and Drilling Co., analyses of the results of the borings and preparation of the preliminary geotechnical report continued.
- 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.
- A draft 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 was prepared and reviewed. This letter report will be submitted to the Pascap Export Co., 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.
- Analyses of the results of the geotechnical borings drilled at the two storage tank sites and preparation of the preliminary geotechnical report will be completed.
- 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.
- 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 will be finalized, and the report will be submitted to the Pascap Export Co.

## 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. Based on results of analysis, CSO sediments will be classified in accordance with NYSDEC TOGS. The preparation of design drawings associated with the interim dredging of CSO sediments from the Canal continued.

*Construction*

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

### Missed Milestones

- There are no missed milestones.

### Anticipated Activities for Next Quarter

- Continue with the preparation of Contract Documents associated with the interim dredging of CSO sediments from the Hendrix Street Canal.
- Receive, review and classify CSO sediments based upon receipt of laboratory analysis.

## 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 currently being 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: | $3.75 million | $4 Million | TBD | $87 Million |
| Status: | On Schedule. | On Schedule | Final Design Initiated | Under construction – 80% complete |
| Other Issues: | - | - | - | - |

## 3.13. Citywide Comprehensive Floatables Plan

### Work Performed During This Quarter

- The work related to the Comprehensive Citywide Floatables Control Abatement Plan Project has been shifted to the CSO Long Term Control Plan (LTCP) Project.

- The "City-Wide Comprehensive CSO Floatables Plan – Modified Facility Planning Report" (Floatables Plan) was delivered to the NYSDEC on August 1, 2005. As an addendum, the Pilot Floatables Monitoring Program Workplan was submitted to the DEC on December 29 to provide supplemental information to the monitoring program framework provided in the Plan.

- In a letter dated March 17, 2006, the NYSDEC approved the "City-Wide Comprehensive CSO Floatables Plan – Modified Facility Planning Report and Addendum 1: Pilot Floatables Monitoring Program Work Plan," dated December 2005. The NYCDEP received the above letter on April 27, 2006 and responded with a letter stating that activities have commenced regarding the Pilot Floatables Monitoring Program Work Plan, and that monitoring for this purpose will begin during the summer of 2006. In response to NYSDEC requests, public involvement activities relating to the pilot floatables monitoring program will also be planned over the course of the summer.

### Missed Milestones

- There are no missed milestones.

### Anticipated Activities for Next Quarter

- Initiate 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 June 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 | 70 |
| 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 | 89 |
| 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 | 10 |
| 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 | <1 |
| D. Regulator Improvements – 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 | - |
| 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 | - |
| 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 | 95 |
| 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 | 70 |
| 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 | 70 |
| 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 | 95 |
| 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 | 19 |
| 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 | 15 |
| 2. Submit Approvable Thurston Basin Waterbody / Watershed Facility Plan Report | - | June 2007 | 15 |
| 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 | - |
| 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 | - | 85 |
| 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 | - |
| D. Avenue V Force Main | | | |
| 1. Initiate Final Design | Apr. 1998 | - | 100 |
| 2. Final Design Completion Including CPM Analysis | - | Sept. 2006 | 70 |
| 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 | 75 |
| 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 | 10 |
| 2. Submit Approvable Spring Creek Waterbody / Watershed Facility Plan Report | - | June 2007 | 10 |
| 3. Submit Approvable Fresh Creek Waterbody / Watershed Facility Plan Report | - | June 2007 | 10 |
| 4. Submit Approvable Hendrix Creek Waterbody / Watershed Facility Plan Report | - | June 2007 | 10 |

| 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 | - | Apr. 2007 | 80 |
| D. 26th Ward Drainage Area Sewer Cleaning and Evaluation | | | |
| 1. Initiate Final Design | Jan. 2007 | - | 100 |
| 2. Final Design Completion Including CPM Analysis | - | June 2007 | 90 |
| 3. Notice to Proceed to Construction | June 2008 | - | - |
| 4. Construction Completion | - | June 2010 | - |
| E. Hendrix Creek Dredging | | | |
| 1. Initiate Final Design | Jan. 2007 | - | 10 |
| 2. Final Design Completion Including CPM Analysis | - | June 2007 | - |
| 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 | - |
| 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 May 10, 2006. The CAC members were given an overview of the P2 process for the OW 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.

Several Stakeholder Team meetings were held this quarter:

- The first Alley Creek Stakeholder Team Meeting was held April 4, 2006.
- The first Flushing Bay and Creek Stakeholder Team Meeting was held April 5, 2006.
- The second Flushing Bay and Creek Stakeholder Team Meeting was held June 6, 2006.
- The first Jamaica Bay Stakeholder Team Meeting was held June 22, 2006.
- The first Coney Island Creek Stakeholder Team Meeting was held June 29, 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 third Open Water LTCP CSO Citizens Advisory Committee meeting will be held July 12, 2006.
- The fourth Open Water LTCP CSO Citizens Advisory Committee meeting is scheduled for September 13, 2006.
- The first Bronx River Stakeholder Team Meeting will be held July 20, 2006.
- The first and only Gowanus Canal Stakeholder Team Meeting will be held July 25, 2006.
- The second Alley Creek Stakeholder Team Meeting will be held July 26, 2006.
- The third Flushing Bay and Creek Stakeholder Team Meeting is scheduled for August 1, 2006.
- The second Coney Island Creek Stakeholder Team Meeting is scheduled for August 2, 2006.
- The first Westchester Creek/Hutchinson River Stakeholder Team Meeting is scheduled for September 6, 2006.
- The second Jamaica Bay Stakeholder Team Meeting is scheduled for September 14, 2006.
- The first Paerdegat Basin Stakeholder Team Meeting is scheduled for September, 2006.

- The second Bronx River Stakeholder Team Meeting is scheduled for September, 2006.
- The fourth and final Flushing Bay and Creek Stakeholder Team Meeting is scheduled for September, 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.

# 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**

**Tel. (718) 595-5050**
**Fax (718) 595-5999**
**alopez@dep.nyc.gov**

January 24, 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 Construction Completion for Inner Harbor/ Regulator Improvements - Fixed Orifices (Brooklyn and Manhattan Contracts)**

Dear Mr. DiMura:

In accordance with Section III-F of the above referenced Consent Order for Combined Sewer Overflow (the Order), this letter is to certify the compliance with a milestone contained in the Order by the New York City Department of Environmental Protection (DEP). Specifically, construction has been completed for both contracts related to the Inner Harbor Regulator Improvements - Fixed Orifices, in conformance with milestone III, C, 4 in Appendix A of the Order. Copies of the resident engineer's certification of significant completion for both the Brooklyn and Manhattan contracts are attached.

Please contact me at (718) 595-5973 if you have any questions regarding this certification.

Very truly yours,

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

JGM:jv
Attachment

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP
www.nyc.gov/dep

DIAL 311 Government Information and Services for NYC

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New York State Department of Environmental Conservation
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100 Church Street
New York, NY 10007

DEP: E. Rogak, M. Klein, M. Osit, P. O'Connor, R. Marandi, G. Tang, P. Young (H&S), File

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN AND CONSTRUCTION
DIVISION OF WATER QUALITY CONSTRUCTION

# CERTIFICATE OF ACCEPTED CONTRACT WORK

## ARTICLE 44 – SUBSTANTIAL COMPLETION

**PROJECT:** WP-169 City Wide CSO Facilities

**CONTRACT NO:** CSO-IH-11K, Inner Harbor CSO – Brooklyn Regulator Improvements

**CONTRACTOR:** Kenneth J. Delaney Contracting Corp.

**REGISTRATION NO:** 20030013309

This is to Certify that an Article 44 Inspection of your contract work, including change orders, was held on the dates shown below for the following structures, and/or equipment:

Brooklyn Regulators (32) February 16, 2005

The work detailed above was found to be satisfactorily completed and is accepted as of February 16, 2005.

The guarantee period, as indicated in Article 24 and Schedule "A" of the AGREEMENT, is of one year duration and will commence as of the above acceptance date(s). The Retained Percentage on the work accepted under this Article 44 valued at $ 3,989,500.00 will be reduced from 5% to 2%.

| | |
|---|---|
| Value of Previously Accepted Article 16 Work | $ 0.00 |
| Value of Accepted Work Under This Article 44 | $ 3,989,500.00 |
| Total Value of Accepted Work, To Date | $ 3,989,500.00 |
| Double the Value of the Punch List for Accepted Work Under This ARTICLE 44. | $ 79,850.00 |

STATE OF NEW YORK
JAMES M. CODDINGTON
No. 047732
LICENSED PROFESSIONAL ENGINEER

(Seal)

Jm. Coddington
(Sign) Resident Engineer

(Print) James M. Coddington, P.E.

12 Dec 2005
Date

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENGINEERING DESIGN AND CONSTRUCTION
DIVISION OF WATER QUALITY CONSTRUCTION

# CERTIFICATE OF ACCEPTED CONTRACT WORK

## ARTICLE 44 – SUBSTANTIAL COMPLETION

**PROJECT:** WP-169 City Wide CSO Facilities

**CONTRACT NO:** CSO-IH-11M, Inner Harbor CSO – Manhattan Regulator Improvements

**CONTRACTOR:** Kenneth J. Delaney Contracting Corp.

**REGISTRATION NO:** 20030013023

This is to Certify that an Article 44 Inspection of your contract work, including change orders, was held on the dates shown below for the following structures, and/or equipment:

Manhattan Regulators (40) February 16, 2005

The work detailed above was found to be satisfactorily completed and is accepted as of February 16, 2005.

The guarantee period, as indicated in Article 24 and Schedule "A" of the AGREEMENT, is of one year duration and will commence as of the above acceptance date(s). The Retained Percentage on the work accepted under this Article 44 valued at $ 5,161,500.00 will be reduced from 5% to 2%.

| | |
|---|---|
| Value of Previously Accepted Article 16 Work | $ 0.00 |
| Value of Accepted Work Under This Article 44 | $ 5,161,299.80 |
| Total Value of Accepted Work, To Date | $ 5,161,299.80 |
| Double the Value of the Punch List for Accepted Work Under This ARTICLE 44. | $ 65,410.48 |

(Seal)

(Sign) Resident Engineer

(Print) James M. Coddington, P.E.

12 Dec 2005
Date

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**

**Tel. (718) 595-5050**
**Fax (718) 595-5999**
**alopez@dep.nyc.gov**

June 21, 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 Notice to Proceed to Construction for Outer Harbor/Port Richmond Throttling Facility**

Dear Mr. DiMura:

In accordance with Section III-F of the above referenced Consent Order for Combined Sewer Overflow (the Order), this letter is to certify the compliance with a milestone contained in the Order by the New York City Department of Environmental Protection (DEP). Specifically, notice to proceed to construction has been transmitted to the general contractor for the Port Richmond Throttling Facility, in conformance with milestone II, E, 3 in Appendix A of the Order. A copy of the order to commence work is attached.

Please contact me at (718) 595-5973 if you have any questions regarding this certification.

Very truly yours,

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

JGM:jv

Attachment

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP
www.nyc.gov/dep

DIAL 311 Government Information and Services for NYC

cc: Sandra Allen
Director, Division of Water
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-3500

Scott Crisafulli, Esq.
Water Compliance Counsel
New York State Department of Environmental Conservation
Division of Environmental Enforcement
625 Broadway, 14th Floor
Albany, NY 12233-5500

Gary E. Kline, P.E.
Division of Water
New York State Department of Environmental Conservation
625 Broadway 4th Floor
Albany, NY 12233-3500

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

Timothy Burns, P.E.
New York State Environmental
Facilities Corporation
625 Broadway
Albany, New York 12207

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

DEP: E. Rogak, M. Klein, S. Mallik, D.Taffe, G. Tang
P. Young (H&S) File

The City of New York
DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Flushing, New York 11373

Emily Lloyd
Commissioner

Tel: (718) 595 - 6565
Fax: (718) 595 - 3557
ELloyd@DEP.NYC.GOV

Carol E. Fenves
AGENCY CHIEF CONTRACTING OFFICER

Tel: (718) 595-3225
Fax: (718) 595-3278
CFenves@DEP.NYC.GOV

June 08, 2006

Angelakis Construction Corp.
2516 Coney Island Avenue
Brooklyn, NY 11223

RE: ORDER TO COMMENCE WORK FOR CONTRACT CSO-OH-TF

Dear Contractor:

Transmitted herewith is your duly executed contract **CSO-OH-TF** for furnishing all labor and materials necessary and required for the **Reconstruction of Port Richmond East Interceptor Throtting Facility, Port Richmond WPCP.**

The Contract was:

| | |
|---|---|
| Awarded to you on | **April 25, 2006** |
| Executed on | **May 04, 2006** |
| Registered by the Comptroller on | **June 06, 2006** |

The Contract was awarded in the amount of **$3,850,000.00** and the registration number is **CTC 826 20060038701.**

The commence work date is **June 19, 2006.** You must complete the work within **730** consecutive calendar days as fixed in the General Conditions, or within the time such completion may be extended. The date to complete all work is **June 18, 2008.**

Upon receipt of this order please contact **Kevin Fitzpatrick**, located at **96-05 Horace Harding Expressway, 5th Floor, (718) 595-6097.**

Yours truly,

Debra E. Butlien
**Deputy Agency Chief Contracting Officer**

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**

**Tel. (718) 595-5050**
**Fax (718) 595-5999**
**alopez@dep.nyc.gov**

June 21, 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 Initiation of Final Design for the Jamaica Bay/ 26th Ward Wet Weather Expansion**

Dear Mr. DiMura:

In accordance with Section III-F of the above referenced Consent Order for Combined Sewer Overflow (the Order), this letter is to certify the compliance with a milestone contained in the Order by the New York City Department of Environmental Protection (DEP). Specifically, final design has been initiated for the 26th Ward WPCP Wet Weather Expansion Facility, in conformance with milestone XII, F, 1 in Appendix A of the Order.

Please contact me at (718) 595-5973 if you have any questions regarding this certification.

Very truly yours,

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

JGM:jv

cc: Sandra Allen
Director, Division of Water
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-3500

Scott Crisafulli, Esq.
Water Compliance Counsel
New York State Department of Environmental Conservation
Division of Environmental Enforcement
625 Broadway, 14th Floor
Albany, NY 12233-5500

Gary E. Kline, P.E.
Division of Water
New York State Department of Environmental Conservation
625 Broadway 4th Floor
Albany, NY 12233-3500

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

Timothy Burns, P.E.
New York State Environmental
Facilities Corporation
625 Broadway
Albany, New York 12207

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

DEP: E. Rogak, M. Klein, S. Mallik, J. Javaheri, G. Tang
P. Young (H&S), File

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**

**Tel. (718) 595-5050**
**Fax (718) 595-5999**
**alopez@dep.nyc.gov**

June 30, 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 Notice to Proceed to Construction for Jamaica Tributaries/Warnerville DWO Abatement**

Dear Mr. DiMura:

In accordance with Section III-F of the above referenced Consent Order for Combined Sewer Overflow (the Order), this letter is to certify the compliance with a milestone contained in the Order by the New York City Department of Environmental Protection (DEP). Specifically, the notice to proceed to construction has been transmitted to the general contractor for the Meadowmere & Warnerville DWO Abatement. The milestone set forth in the Appendix A of the Order (milestone VI, C, 3) required such notice by March 2006. In a January 19, 2006 determination letter from DEC, the notice to proceed to construction milestone date was extended to June 30, 2006.

Please contact me at (718) 595-5973 if you have any questions regarding this certification.

Very truly yours,

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

JGM:jv

Attachment

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP
www.nyc.gov/dep
DIAL 311 Government Information and Services for NYC

cc: Sandra Allen
Director, Division of Water
New York State Department of Environmental Conservation
625 Broadway
Albany, NY 12233-3500

Scott Crisafulli, Esq.
Water Compliance Counsel
New York State Department of Environmental Conservation
Division of Environmental Enforcement
625 Broadway, 14th Floor
Albany, NY 12233-5500

Gary E. Kline, P.E.
Division of Water
New York State Department of Environmental Conservation
625 Broadway 4th Floor
Albany, NY 12233-3500

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

Timothy Burns, P.E.
New York State Environmental
Facilities Corporation
625 Broadway
Albany, New York 12207

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

DEP: E. Rogak, M. Klein, S. Mallik, P. Tharasavat, G. Tang
[redacted] (H&S), File

The City of New York

DEPARTMENT OF ENVIRONMENTAL PROTECTION
59-17 Junction Boulevard
Flushing, New York 11373

Emily Lloyd,
Commissioner

Tel (718) 595-6565
Fax (718) 595-3557
Elloyd@DEP.NYC.GOV

Carol E. Fenves
AGENCY CHIEF CONTRACTING OFFICER

Tel (718) 595-3225
Fax (718) 595-3278
CFENVES@DEP.NYC.GOV

June 30, 2006

**E.E. CRUZ & COMPANY, INC.**
**943 Holmdel Road, Cruz Plaza**
**Holmdel, NJ 07733**

**RE: ORDER TO COMMENCE WORK FOR CONTRACT PS - 216G**

Transmitted herewith is your duly executed contract **PS - 216G** for furnishing all labor and materials necessary and required for the construction of sanitary sewers for pumping station main force & associated facilities. Meadowmere & Warnersville.

The Contract was:

| | |
|---|---|
| **Awarded to you on** | **April 03, 2006** |
| **Executed on** | **April 20, 2006** |
| **Registered by the Comptroller on** | **May 26, 2006** |

The Contract was awarded in the amount of **$28,898,888.00** and the registration number is **CT 826 20060036540.**

The commence work date is **June 30, 2006.** You must complete the work within **1004** consecutive calendar days as fixed in the General Conditions, or within the time such completion may be extended. The date to complete all work is **March 30, 2009.**

Upon receipt of this order please contact **Ajay Desai** located at **96 - 05 Horace Harding Expressway 5th Floor, Flushing, NY, 11373 (718)595-6027.**

Yours truly,

Debra Butlien
Deputy ACCO

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DEP
www.nyc.gov/dep

DIAL 311 Government Information and Services for NYC