



Environmental Protection



Department of Environmental Protection Gowanus Facilities Upgrade

Contract # CSO-GC Bureau of Design Engineering and Construction

Project Update – August 2010

This project will reduce combined sewer overflows into Gowanus Canal by 34%

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| <ol style="list-style-type: none">1. Construction started September 2009 to improve water quality in Gowanus Canal2. Construction completion is anticipated in summer 20133. Project cost is approximately \$140 million |
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Two Major Construction Components

- (1) Reconstruct Wastewater Pumping Station [which pumps wastewater flow to Red Hook Water Pollution Control Plant (WPCP)]
 - *Increase pumping capacity from 20 million gallons per day (mgd) to 30 mgd*
 - *Construct new mile-long force main from Pumping Station to Columbia Street / Red Hook WPCP Interceptor Sewer*
- (2) Reconstruct Gowanus Canal Flushing Tunnel Pumping System [which brings East River water from Buttermilk Channel to head of canal] & Increase System Reliability
 - *Take Flushing Tunnel off-line for approximately two years (7/26/10)*
 - *Dewater Tunnel (7/27/10)*
 - *Activate temporary oxygenation system [which substitutes for the Flushing Tunnel shutdown] (7/26/10) & monitor and adjust system performance (continuing)*
 - *Build new wastewater force main from pumping station to Columbia Street Interceptor Sewer [which conveys wastewater flow to Red Hook WPCP]*
 - *Install 3 new submersible pumps to increase Flushing Tunnel flow capacity from 154 mgd to 215 mgd*
 - *Rehabilitate, as necessary, one-mile long Tunnel*

Current & Upcoming Activities

AT PUMPING STATION & FLUSHING TUNNEL BUILDING -

- Install interim piping and pump bases

- Install temporary site security lighting
- Continue work to salvage limestone capping and properly remove lead/other materials from interior and exterior of structures
- Begin demolition inside Flushing Tunnel building
- Select and design new perimeter fencing for site that is consistent with fencing used at other DEP facilities

AT FORCE MAIN -

- Implement Maintenance and Protection of Traffic (MPT) detours for Columbia Street and Degraw Street and for Degraw Street & Tompkins Place for Clean-Out and Exit Chamber work
- Install jet grout at the Clean Out and Exit Chambers to prepare for the construction of these structures

OTHER -

- Continue discussions with Department of Parks and Recreation regarding removal of two trees on Butler Street that interfere with the demolition of existing Con Edison manholes and installation of new duct banks for the project's permanent electrical service
- Update Brooklyn Community Board #6's Environmental Protection Committee about the progress of construction at its upcoming October 25th meeting

Questions or comments? For more information, please contact Debra Pucci, DEP Director of Community Partnerships, at (718) 595 6523 debrap@dep.nyc.gov or Martha M. Holstein, the Project's Community Liaison, at (718) 625 1005 x 223 mholstein@urbansol.com

DEP manages the City's water supply, providing more than 1 billion gallons of water each day to more than 9 million residents, including 8 million in New York City. New York City's water is delivered from a watershed that extends more than 125 miles from the City, and comprises 19 reservoirs and three controlled lakes. Approximately 7,000 miles of water mains, tunnels and aqueducts bring water to homes and businesses throughout the five boroughs, and 7,400 miles of sewer lines take wastewater to 14 in-City treatment plants.