



# FACT SHEET

Bay Shore/Brightwaters former Manufactured Gas Plant  
Site 1-52-172  
Bay Shore, NY

October 2009

## Continued Progress in Remediation of All Operable Units of Bay Shore former MGP Site

### Summary:

National Grid continued to make progress under the oversight of the New York State Department of Environmental Conservation (NYSDEC) during the third quarter of 2009 in the remediation of the Bay Shore/Brightwaters former Manufactured Gas Plant (MGP) Site. Major developments were the near completion of the groundwater treatment facility in Operable Unit 1; construction of a 4<sup>th</sup> oxygen injection line in Operable Unit 2 was completed; completion of a design plan and arrangements for relocation of the railroad tracks to facilitate cleanup in Operable Unit 3; and continuing the chemical treatment program in the cesspool area of Operable Unit 4.

As a reminder, this complex site has been broken into four separate areas called Operable Units (OU-1 through OU-4), each of which deals with a specific area of contamination (see the attached figure). This Operable Unit approach has permitted remediation of OUs 2, 3, and 4 to proceed independently while the complexities of the main site area (OU-1) are being addressed. OU-1 constitutes the main site area, where gas manufacturing operations once took place, and where contamination was the most severe. OU-2 consists of the contaminated groundwater plume which originates in OU-1 and has moved southward. OU-3 includes the Brightwaters Yard, where fuel for the gas making process was stored, and its associated groundwater plume. OU-4 is an area east of OU-1 where MGP waste water was discharged. In February 2009, NYSDEC approved the reconfiguration of the boundaries of OU-1 to include the portions of National Grid-owned properties north of Union Boulevard once designated as part of OU-2. This change was designed to refine the areas where OU-1 and OU-2 overlapped.

### Site Wide Activities:

A Project Meeting was held by National Grid to update the community on remedial progress on September 30. Many of the current remedial activities were presented on poster boards at stations manned by the consultants and National Grid personnel responsible for those activities. NYSDEC representatives were also present.

National Grid continued to maintain and update the website for the Bay Shore former MGP site. Updates prepared by the NYSDEC are posted on a bi-weekly basis. News announcements about developments on the site, as well as a file of documents related to the investigation and remediation of the site, are also available on this website. Weekly reports prepared during the active excavation phase on OU-1 are maintained in the Key Documents archive section. The website remains at its address ([www.bayshoreworksmgp.com](http://www.bayshoreworksmgp.com)).

## **Operable Unit Activities:**

### OU-1 Remedial Actions

- Construction of the groundwater treatment building and installation of the groundwater treatment system neared completion, with initial testing and operations scheduled for the week of October 26th. The supplemental oxygen injection system in OU-1 has been very effective at treating contaminants leaving the site and will continue to operate as the groundwater treatment system construction continues and beyond.
- Wells to monitor the effectiveness of the groundwater treatment system were installed at the south end of the unit.
- Preparation is underway for installation of an oxygen injection system to treat the western boundary of the plume outside of the barrier wall.
- Remedial Design continues for the in-situ chemical oxidation program.

### OU-2 Remedial Plan and Interim Remedial Measure (IRM)

- National Grid continued to operate and maintain the previously completed oxygen injection systems, with treatment lines located at the head of the plume along Union Boulevard, the middle of the plume along Montauk Highway and at the end of the plume, near Lawrence Creek. These oxygen injection systems are operating very effectively.
- The Cooper Lane line extension of an existing oxygen injection system is near completion and will be operational by mid-November.
- A fourth oxygen injection system at the tail end of OU-2 was completed during the third quarter and is meeting operating requirements.

### OU-3 Operations & Maintenance/Interim Remedial Measure

- National Grid continued to operate the off-site oxygen injection systems along Union Blvd. The on-site oxygen injection system has been taken off-line to support the planned excavation beneath the LIRR tracks.
- Additional work to line the Lanier Lane catch basins was undertaken to further mitigate groundwater seepage and bacterial growth.
- The temporary relocation of the LIRR tracks to allow removal of contaminated soil beneath the tracks was completed. The switchover to the temporary track took place the weekend of October 17-18. National Grid's remedial contractor, Creamer Environmental, has mobilized to the site and is making preparations to implement the approved remediation.

### OU-4 Interim Remedial Measures

- In-situ chemical injection at the cesspool portion of the unit, which began on April 30, is continuing. Injection is proceeding as designed and is being monitored in accordance to the NYSDEC approved work plan.
- Planning and preparations for treatment of upgradient portion of the unit are in progress.
- Following the completion of remedial activities in OU-4, National Grid will take samples in the previously remediated portion of Watchogue Creek/Crum's Brook (between Union Boulevard and Mechanicsville Road). That portion of the waterway was remediated in 2000-2001 as one of the first Interim Remedial Measures in the remediation of the site.

## FOR MORE INFORMATION

### **Where to Find Information:**

Project documents are available at the following location(s) to help the public stay informed.

**Bay Shore/Brightwaters Public Library**  
1 South Country Road  
Brightwaters, New York 11718  
(631) 665-4350

Repository is open during normal library hours.

**NYSDEC Region 1 Office**  
50 Circle Road  
Stony Brook, NY 11790

Contact: Mr. Walter Parish  
(631) 444-0240  
Hours: M-F: 8:30 – 4:45 PM - (by appointment)

For additional information about site activities and other related information about the site, please visit National Grid's website for the project at: [www.bayshoreworksmgp.com](http://www.bayshoreworksmgp.com)

### **Who to Contact:**

Comments and questions are always welcome and should be directed as follows:

#### Project Related Questions

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#### Site-Related Health Questions

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### **National Grid Representative:**

National Grid's Community Representative is James Christman. (516) 545-5035. The company's Telephone Hotline for the site is (516) 545-3839

**If you know someone who would like to be added to the site contact list, have them contact the NYSDEC project manager above. We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.**

