



# FACT SHEET

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

August 2010

## **Projects Move Ahead in Remediation of All Operable Units of Bay Shore former MGP Site; Public Progress Meeting September 16**

### **Summary:**

During the second quarter of 2010, National Grid continued to make progress under the oversight of the New York State Departments of Environmental Conservation (NYSDEC) and Health (NYSDOH) in the remediation of the Bay Shore/Brightwaters former Manufactured Gas Plant (MGP) Site. Major developments include: 1) completion of excavation of contaminated soil in the area in OU-3 (see attached figure), to which the Long Island Railroad (LIRR) tracks had been relocated; 2) continued successful on-going operation of the Groundwater Treatment Facility in OU-1, which had been made operational in the fourth quarter of 2009; 3) completion of excavation in the Summer's Lumber/King Bear parcel in OU-1; and 4) completion of sampling to evaluate the in-situ chemical oxidation (ISCO) injection program in a portion of OU-4. **A Public Progress Meeting will be held on Thursday, September 16 from 7 – 9 p.m. at the National Grid office on the site at 1 Orinoco Drive, Brightwaters, to update the public on site remedial activities and progress.**

As a reminder, the site has been broken into four separate areas called Operable Units (OU-1 through OU-4), each of which deals with a specific portion of the project area (see Page 4). 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 treated 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. An updated map of the site and plume paths may be found on Page 4 of this Progress Report.

### **Site Wide Activities:**

National Grid continues to maintain the website for the Bay Shore former MGP site. Updates prepared by NYSDEC are posted as they are prepared by the agency. National Grid provides updates on the construction progress on a weekly basis during active work. News announcements about developments on the site are also available on this website. Weekly reports prepared during the active excavation phase on OU-1 and OU-3 are maintained in the Key Documents archive section. That section also contains all of the significant reports associated with the investigation and remediation of the site and its Operable Units. The website can be accessed at [www.bayshoreworksmgp.com](http://www.bayshoreworksmgp.com)

## **Operable Unit Activities:**

### **OU-1 Remedial Actions**

- The oxygen injection system installed along Union Boulevard is operating efficiently. Contaminant levels in groundwater leaving the site have been reduced significantly since the system was installed.
- The oxygen injection system, installed along the north side of the former King Bear building and west side of the western section of the barrier wall, is operating as designed.
- The Ozone treatment unit is operating as designed. Monitoring data is being compiled.
- Contaminated soil excavation at the former King Bear and Summer's Lumber properties is complete. Approximately 3,707 tons of contaminated materials were excavated and removed for off-site treatment/disposal.
- Pre-design work for the in-situ treatment system is continuing to allow the evaluation of the most appropriate technologies including proper mix of oxidation agents and injection depths and concentrations. A final determination will be made once the monitoring results from the in-situ treatment at OU-4 is available and evaluated.

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

- National Grid continued to operate and maintain the six oxygen injection systems, with treatment lines located at the head of the plume (along Union Boulevard, between Cooper Lane and Montauk Highway), in the middle of the plume, and at the tail end of the plume (near Lawrence Creek). These oxygen injection systems are operating effectively. Monitoring results show significant reduction of contaminant concentrations in the impacted groundwater.
- The Cooper Lane line extension of the existing oxygen injection system, which was completed in November, is fully operational.
- Wells are being installed between Cooper Lane and Montauk Highway to support additional mid-plume treatment. The wells, once completed, will be used for an oxygen injection system to be installed later this year.

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

- National Grid continued to operate the off-site oxygen injection system along Union Boulevard. An additional oxygen injection system was installed and became operational in April on the north side of Union Boulevard and Community Road.
- All seven cells in the area where the LIRR tracks were relocated have been excavated and backfilled. Approximately 5,968 tons of contaminated soil and 165,000 gallons of impacted water were removed for off-site disposal at an approved disposal facility. The second excavation phase was also completed in all four cells, with approximately 3,178 tons of materials and 115,660 gallons of impacted water removed for off-site disposal at an approved disposal facility.

### **OU-4 Summary of Interim Remedial Measures**

- The injection phase of in-situ chemical oxidation injection at the cesspool portion of OU-4 was completed at the end of November 2009. Field activities to evaluate the effectiveness of the injection in treating the contamination have been completed. A data report has been submitted to the agencies for review.
- The structure located at 3 Center Avenue has been demolished. An Interim Remedial Measure work plan submitted to DEC has been reviewed and approved. Remedial activities are being scheduled.
- Discussions are ongoing on access to adjacent property to allow remedial work at the pond area portion of OU-4.

**Where to Find Information:**

Project documents are available at the following locations 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 AM – 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 Community Representative**

James Christman  
(516) 545-5035

**Bay Shore MGP Site Hotline**

(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.**

**Public Progress Meeting**

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