



FACT SHEET

Bay Shore/Brightwaters former Manufactured Gas Plant

April 2010

Site 1-52- 172

Bay Shore, NY

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

Summary:

Despite adverse weather conditions throughout the first quarter of 2010, National Grid continued to make progress under the oversight of the New York State Department of Environmental Conservation (NYSDEC) 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 figure on Page 4) from which the Long Island Railroad (LIRR) tracks had been relocated; 2) successful on-going operation of the Groundwater Treatment Facility in OU-1 which had been made operational in the fourth quarter of 2009; 3) implementation of Phase IV soil excavation and installation of an oxygen injection system in OU-1; 4) completion of planning for the installation of a new oxygen injection system in OU-3. A Public Progress Meeting was held on Thursday, February 25th 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 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 on a bi-weekly basis. 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 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.

Operable Unit Activities:

OU-1 Remedial Actions

- The groundwater treatment system is in full scale operation. The supplemental oxygen injection system in OU-1 that has been very effective at treating contaminants leaving the site continues to operate.
- Installation of an oxygen injection system along Union Boulevard to treat the western boundary of the plume outside of the barrier wall has been completed. The line is operational and meeting its objectives.
- Implementation of Phase IV of the OU-1 remediation commenced in the Summer's Lumber/King Bear parcel south of the LIRR tracks. Approximately 2794 tons of contaminated materials including both MGP and non-MGP associated materials have been excavated and removed to a certified facility for treatment/disposal. All 12 cells have been excavated and backfilled. Approximately 48,000 gallons of impacted excavation water were collected and shipped off-site. The work was completed in early April. Additionally, the installation of a new oxygen injection system was completed and is now fully operational. 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 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. The lines were inactive for a brief period of time following the major storm on March 13, but were returned quickly to full operating condition.
- The Cooper Lane line extension of the existing oxygen injection system, which was completed in November, is fully operational.

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 on the north side of Union Boulevard and Community Road.
- The nine additional monitoring wells installed in late 2009 to verify the effectiveness of the OU-3 oxygen injection are providing sampling results that will be included in the quarterly monitoring reports.
- Phase I of the removal of contaminated soil beneath the LIRR tracks was completed. Approximately 5968 tons of contaminated soil and 165,000 gallons of impacted water were removed for off-site disposal at an approved disposal facility. The tracks were returned to their normal location the weekend of April 23-25. Phase II excavation work will begin in early May.

OU-4 Interim Remedial Measures

- The ISCO injection phase at the cesspool area has been completed. In mid-April, National Grid commenced the post treatment soil sampling program to evaluate the effectiveness of the treatment process on subsurface soil.
- Planning and preparations for excavation of the upgradient area is in progress.

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 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

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

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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.

