



FACT SHEET

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

November 2010

Additional Remedial Actions Planned for Operable Unit 4; Progress Continues in three other OU's

Summary:

During the third 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. An assessment of the OU-4 SISCO program has been completed. Some of this contamination is present at depths which present the possibility of exposure to underground utility workers. Consequently, National Grid has been directed to include excavation of a part of the S-ISCO treatment area during the next round of remedial work, to be conducted during the winter months of 2010-2011. The excavation will remove any remaining tar contamination at depths less than 10 feet below the ground surface.

In the other Operable Units, monitoring of groundwater in OU-2 demonstrated continuing reduction of constituents in the groundwater plume and pre-design data was collected for the design of two additional oxygen injection lines; the treatment plant in Operable Unit 1 continued to operate as designed and restoration of the recently excavated area near the LIRR tracks in Operable Unit 3 was completed.

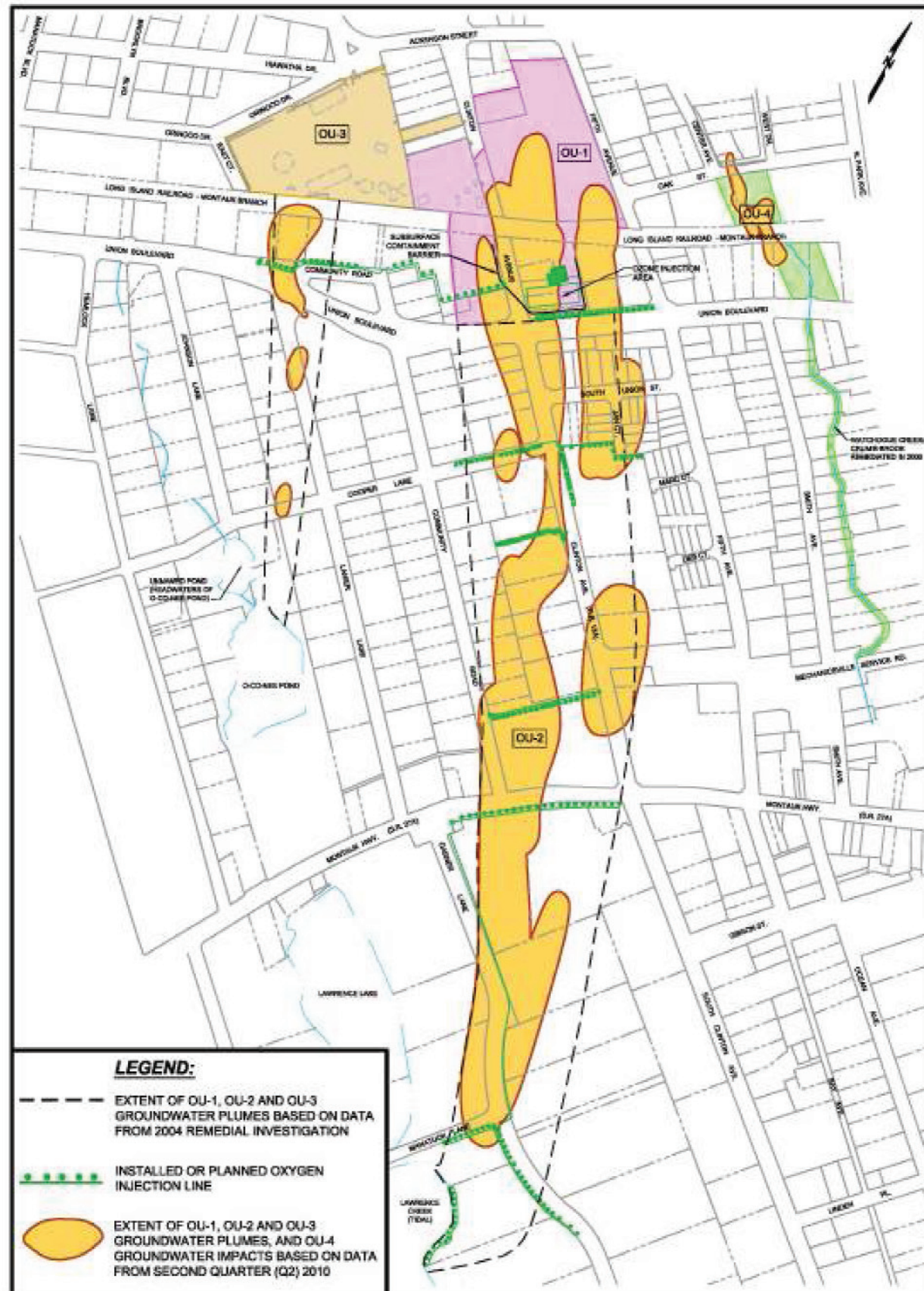
As a reminder, the site has been broken into four separate areas called Operable Units (OU-1 through OU-4), each of which deals with a specific portion of the project area (see Page 4). OU-1 constitutes the main site area where gas manufacturing operations once took place and where contamination was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

Assessment of OU-4 In-Situ Treatment

The NYSDEC has completed its assessment of the surfactant-enhanced in-situ chemical oxidation (S-ISCO) treatment performed in a portion of Operable Unit 4 during 2009-2010. Despite the contractor's public claims of complete success in treating contamination in this area, examination of post-treatment soil samples makes it clear that significant amounts of tar contamination remain in place in the treatment zone, including some areas within 20-25 feet of the wells where the treatment chemicals were injected.

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(Over Please)



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 phases 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. A Progress Meeting was held at the site in September to update the community on recent developments and upcoming work.

Progress in other Operable Units:

OU-1 Remedial Actions

- The Ozone treatment unit is operating as designed. Monitoring data indicates that the unit is achieving design objectives.
- 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.
- A pre-design investigation has been completed for the installation of an additional oxygen injection line to east of the barrier wall.

In Situ Treatment at OU-1

Tar contamination in Operable Unit 4 is considerably less severe than the contamination found in Operable Unit 1. In light of the fact that the S-ISCO treatment did not fully treat the seams of tar found at OU-4, the Department considers it unlikely that this treatment would be effective in OU1.

The shallow tar contamination at OU-1 was removed during the excavation component of the OU-1 remedy, performed in 2008. The remaining tar contamination at OU-1 is found at depths where exposure to future underground utility workers is unlikely. Off site impacts from the remaining contamination have been successfully addressed by the combination of the barrier wall and ozone treatment system.

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

- National Grid began planning to extend the oxygen injection line along Union Blvd. to the east towards 5th Ave. The former Expo Tire building will be demolished to facilitate this project.
- National Grid continued to operate and maintain six oxygen injection systems, with treatment lines located at the head of the plume, in the middle of the plume, and at the tail end of the plume. These oxygen injection systems are operating effectively. Monitoring results shows significant reduction of contaminants concentrations in the impacted groundwater.
- Wells previously installed between Cooper Lane and Montauk Highway to support mid-plume treatment will be used to support an additional oxygen injection system to be installed this Winter.

OU-3 Operations & Maintenance/Interim Remedial Measure

- The new oxygen injection line that became operational in April on the north side of Union Boulevard and Community Road is meeting its objectives.
- The removal of approximately 9000 tons of contaminated soil and 280,000 gallons of impacted water was completed in the second quarter. National Grid has now completed grading and restoration of the excavated area.
- LIPA will be relocating the large overhead transmission poles back to the LIRR right of way now that soil excavation has been completed in Brightwaters Yard.

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.