



May 2008

**Remedial Action Proposed for OU-2 portion of the  
former Bay Shore/Brightwaters Yard MGP Site;  
Availability Session to be held on June 5, 2008 at 7:00 PM  
at the Bay Shore High School**

**Dear Interested Citizen:**

This Fact Sheet provides a summary of a Proposed Remedial Action for Operable Unit 2 of the Bay Shore/Brightwaters former Manufactured Gas Plant site. An Availability Session will be held at the Bay Shore High School on June 5, 2008 at 7:00 PM to respond to public questions and comments about the proposed action. For additional information about site activities and other related information, please visit National Grid's website for the project at: [www.bayshoreworksmgp.com](http://www.bayshoreworksmgp.com).

**Project Related Issues:**

Mr. Amen Omorogbe, P.E  
NYSDEC  
Division of Environmental  
Remediation  
625 Broadway  
Albany, NY 12233-7014  
(518) 402-9564  
[amomorog@gw.dec.state.ny.us](mailto:amomorog@gw.dec.state.ny.us)

**Health-Related Concerns:**

Ms. Jacquelyn Nealon  
NYSDOH, BEEI  
Flanigan Square  
547 River St., Room 300  
Troy, NY 12180-2216  
(800) 458-1158 Ext. 27880  
[Jen02@health.state.ny.us](mailto:Jen02@health.state.ny.us)

**National Grid**

**Representative:**

National Grid's Community Representative is James Christman. The company's Telephone Hotline for Bay Shore and Brightwaters residents in the vicinity of the site is (516) 545-3839.

**Summary:**

The New York State Department of Environmental Conservation, in cooperation with the New York State and Suffolk County Departments of Health, has completed a Draft Decision Document for a proposed remedy in Operable Unit 2 (the offsite Bay Shore groundwater plume path) of the Former Bay Shore/Brightwaters Manufactured Gas Plant (MGP) site.

**Site Background**

The Former MGP Site is located in Bay Shore and the Incorporated Village of Brightwaters, Suffolk County, New York. A manufactured gas plant operated at the site from 1889 to 1973. The plant has since been demolished, but soil and groundwater contamination from MGP operations remains beneath the site, and has migrated beneath surrounding areas.

This is a large, complex site with impacts on the site as well as off-site locations. As such, the site has been divided into four separate operable units (OUs) (as shown on the attached figure):

- OU-1 Main Site, West Parcel and Adjacent off-site areas
- OU-2 Bay Shore Main Site Groundwater Plume
- OU-3 Brightwaters Yard and Brightwaters Groundwater Plume
- OU-4 Watchogue Creek including former Cesspool and Pond areas.

Contaminated groundwater from the main MGP site (Operable Unit 1) has migrated south to southeast from the site's southern border near Union Boulevard to Lawrence Creek. The groundwater plume is approximately 500 feet wide and 3,400 feet long. An oxygen injection system has been in service since 2005 in the lower portions of the OU-2 plume. This system introduces oxygen into the groundwater, which increases the ability of native soil bacteria to consume the dissolved contaminants in the groundwater plume. Recent groundwater monitoring results indicate that the injection system appears to be effective at reducing groundwater contaminant concentrations that pass through the injection lines. A third line was added recently at the upper end of the plume near Union Boulevard. However, the middle portion of the OU-2 plume does not currently have any active remediation systems in place. The proposed remedy will provide three additional oxygen injection lines in this area, thereby speeding the cleanup of the plume. The proposed remedy is detailed in a draft Decision Document for OU-2. This document is available for public review at the document repositories listed on the side bar of this fact sheet.

**Document Repositories:**

A Draft Decision Document, Remedial Alternatives Analysis and other site related documents are available for review at the document repositories identified below:

**Bay Shore/Brightwaters Public Library**

1 South Country Road  
Brightwaters, NY 11718  
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: 9-5 (by appointment)

**Vapor Intrusion Concerns**

If you have questions regarding possible vapor intrusion exposure as a result of the operation of the former MGP site, please contact the NYSDOH representative, Ms. Jacquelyn Nealon using the contact information listed in the side bar of page 1.

For additional information on Health and Remediation issues, please visit the following links:

<http://www.health.state.ny.us/environmental/about/exposure.htm>

[http://toxics.usgs.gov/highlights/o2\\_biodeg\\_lessons.html](http://toxics.usgs.gov/highlights/o2_biodeg_lessons.html)

<http://www.dec.ny.gov>

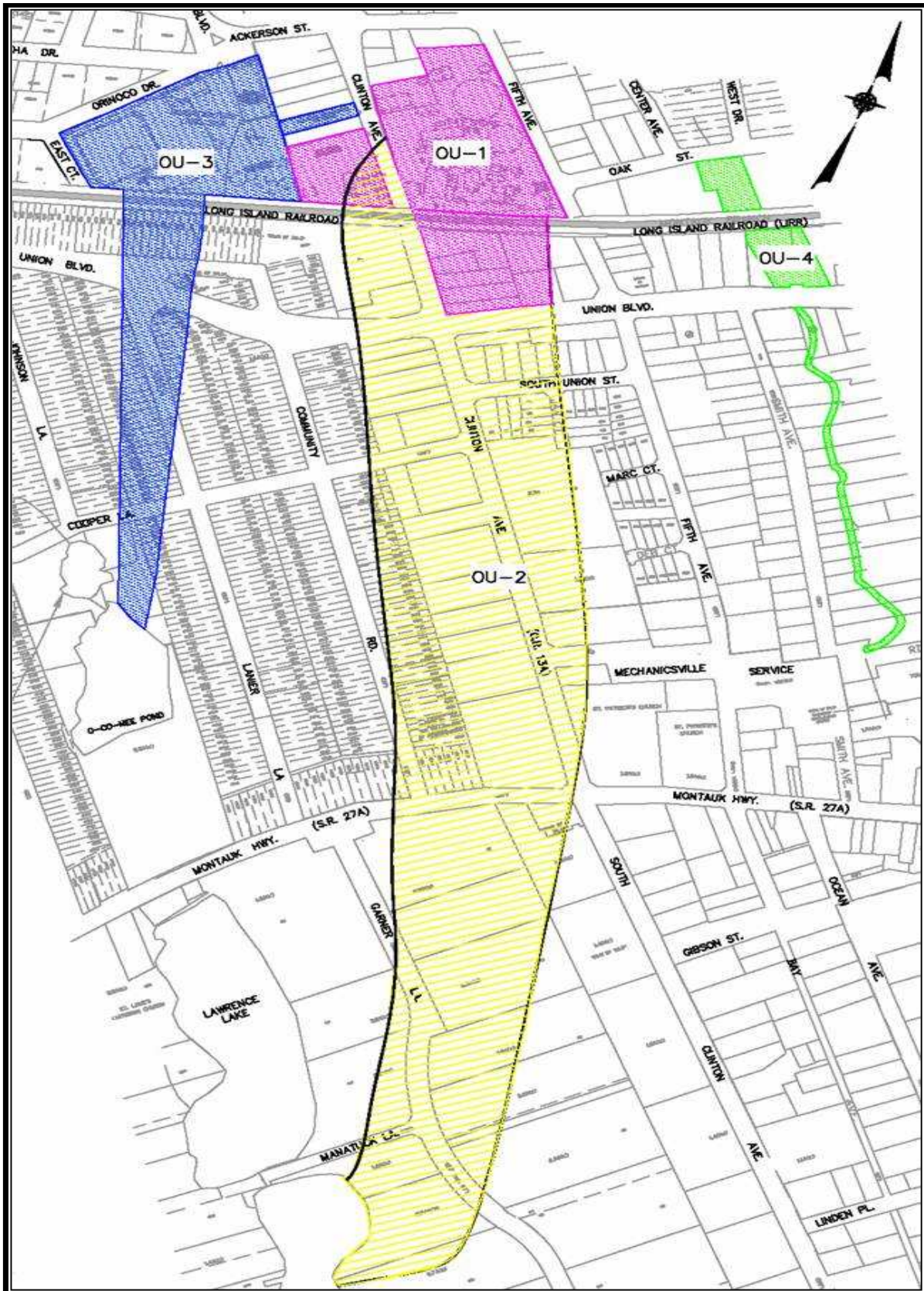
The effectiveness of this remedy will be further enhanced by the completion of remedial activities in OU-1. The status of this work in OU-1 is summarized below:

- National Grid has completed the Phase 1 barrier wall installation;
- National Grid has completed shallow excavations throughout the site, and has begun work in the deep excavation areas;
- Permanent oxygen system injection wells have been installed along the southern boundary of OU-1 to address groundwater contamination and performance monitoring wells have been installed near the injection lines. These operations will continue after the more aggressive ozone treatment system is completed.

Remedial activities in Operable Unit 3 and Operable Unit 4 are also continuing.

**Availability Session**

Representatives of the NYSDEC, New York State Department of Health, Suffolk County Departments of Health Services and Environment and Energy, including National Grid will hold an Availability Session at the Bay Shore High School on June 5, 2008 at 7:00 p.m. at which information about the proposed OU-2 remedy will be discussed and public questions and comments will be heard and responded to.



# **National Grid**

**Public Affairs**

**175 East Old Country Road**

**Hicksville, NY 11801**

**IMPORTANT:** Information on Public  
availability session inside