



**Dear Interested Citizen:**

This Fact Sheet provides a summary of remedial and related activities undertaken during the fourth Quarter (October-December) of 2007 at the Bay Shore/ Brightwaters former Manufactured Gas Plant site. For additional information about site activities and other related information about the site, please visit KeySpan'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)

**KeySpan Representative:**

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

QUARTERLY UPDATE  
February 2008

## Remedial Progress Continues at the Former Bay Shore/Brightwaters MGP Site

**Summary:**

KeySpan, under the supervision of the New York State Department of Environmental Conservation (NYSDEC), continued to make progress during the fourth quarter of 2007 in the remediation of the former Bay Shore/Brightwaters Manufactured Gas Plant Site. Details appear below.

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). OU-1 constitutes the main site area. OU-2 is the contaminated groundwater plume which has moved away from OU-1. OU-3 includes the Brightwaters Yard and its associated groundwater plume. OU-4 includes an area east of OU-1 where former process waters were discharged. This Operable Unit approach has permitted the remedial program for OUs 2, 3, and 4 to proceed independently while the complexities of the main site area (OU-1) were addressed.

### Site Wide Activities

During the fourth quarter, KeySpan completed groundwater monitoring and conducted soil vapor intrusion (SVI) investigations as required and provided the data to the responsible agencies for review. KeySpan, representatives of the NYSDEC, New York State Department of Health (NYSDOH) and representatives of Suffolk County met with the Bay Shore Task Force to present the remedial status of the site and respond to issues raised by the Task Force. KeySpan continues to update its community website on a weekly basis with project news, and the NYSDEC continues to distribute a bi-weekly report on progress to its e-mail list. The NYSDEC bi-weekly updates were uploaded in January 2008 to the community website at [www.bayshoreworksmgp.com](http://www.bayshoreworksmgp.com).

### OU-1 Remedial Action

Progress continued on Phase I remedial construction, including the subsurface barrier wall and groundwater treatment system.

- KeySpan completed a revised design to complete the remaining portion of the Phase I barrier wall. Work is expected to resume during the first quarter of 2008.
- KeySpan completed shallow excavations in nine sectors of the site, removing and transporting to offsite facilities over 38,000 tons of contaminated soils in 1253 truckloads as of December 31. This work is continuing as this document was being prepared.

## **Document Repositories:**

The Remedial Action Plan and other documents associated with the Bay Shore/Brightwaters site are available for review at the document repositories identified below:

### **Bay Shore/Brightwaters Public Library**

1 South Country Road  
Brightwaters, New York  
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 on page 1.

- KeySpan installed temporary oxygen system injection wells along the southern boundary of OU-1 to address groundwater contamination and began installation of the system's performance monitoring wells near the injection lines. Permanent treatment units are being designed. These wells are scheduled to begin operation in February 2008. Operations will continue until the more aggressive ozone treatment system is completed.

### **OU-2 Operations & Maintenance/Interim Remedial Measure**

KeySpan continued to operate and maintain an oxygen injection system, with treatment lines located in the middle of the plume along Montauk Highway and at the end of the plume, near Lawrence Creek. In addition:

- The NYSDEC, NYSDOH and Suffolk County accepted KeySpan's Hydrologic Study assessing the effectiveness of this system.
- KeySpan submitted recommendations and a pre-design work plan to expand the OU-2 oxygen injection system with the additional treatment lines in the upper half of the plume along North Clinton Avenue. Access negotiations are underway to determine the precise location of the new oxygen injection lines.

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

KeySpan continued to operate, maintain and evaluate the performance of two oxygen injection systems with treatment lines located in the upper-plume on the Brightwaters GAS Construction Yard property and mid-plume area along Union Blvd. KeySpan and the Long Island Rail Road are evaluating potential remedial options to mitigate contaminant source material trapped under the LIRR tracks and right-of-way. In addition:

The NYSDEC, NYSDOH and Suffolk County accepted KeySpan's study of storm sewer catch basin conditions in the residential areas of this OU. KeySpan then began to develop plans to replace a number of catch basins and upgrade associated storm water piping to ensure that they cannot be infiltrated by contaminants in the groundwater plume

In December KeySpan completed excavation activities associated with a former underground storage tank (UST) area near the Brightwaters warehouse building. This included removal of over 1000 tons of impacted soils from the former UST area and a former drywell and hydraulic lift area located inside the building.

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

KeySpan is making progress in conducting additional Interim Remedial Measures (IRM) activities in the former cesspool area of OU-4. Plans were completed for the installation of additional monitoring wells adjacent to Oak Street. KeySpan is procuring contractor services for implementation of the second phase of the OU-4 Cesspool IRM.

