

**NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL
CONSERVATION**

Public Meeting Invitation

May 12, 2004
7:00 P.M.

At

Bay Shore Middle School
393 Brook Avenue
Bay Shore, NY 11706

The NYS Department of Environmental Conservation will hold a public meeting to discuss the Remedial Action Plan (RAP) for Operable Unit 1 (Main Site) of the Bay Shore/ Brightwaters former MGP Site. The overall status and off-site areas will also be discussed. At the meeting representatives from NYSDEC, NYSDOH and KeySpan, the owner of the site, will:

- Describe the results of detailed site investigations;
- Explain the RAP of this Operable Unit and other alternatives considered;
- Answer your questions about the RAP;
- Receive verbal or written comments about the proposal;
- Discuss the status of the other remedial activities currently in progress or planned for Operable Units 2, 3 and 4 of the former MGP site in the Bay Shore and Brightwaters communities.

FACT SHEET

April 2004

**Former Bay Shore/Brightwaters MGP Site
Bay Shore/Brightwaters, Suffolk County, NY
Site No. 1-52-172**

Remedial Action Plan Proposed for Bay Shore Main Site; Interim Remedial Measures in West and Brightwaters Yards Public Meeting May 12, 2004

The New York State Department of Environmental Conservation (NYS-DEC), together with the New York State Department of Health (NYS-DOH), have developed a Remedial Action Plan for Operable Unit (OU) 1 (main gas manufacturing area) of this former Manufactured Gas Plant (MGP) site. OU-1 is bordered by Fifth Avenue to the east, the LIRR to the south, the Village of Brightwaters to the west and private properties to the north. OU-1 also includes properties immediately south of the site located between the LIRR and Union Boulevard.

To efficiently manage the investigation and remediation of the area, the former MGP site has been divided into four operable units as described below. Please see the map on the last page.

OU-1 – MGP Site is defined as the Bay Shore site, adjacent off-site areas south of the Bay Shore site and north of Union Boulevard and the Bay Shore West Parcel. The Remedial Action Plan (RAP) is based on a Remedial Investigation (RI) of the site and its plume paths. The RI found and delineated the location of areas where contaminant source materials and plume paths are located. It also found that while there are pathways through which people on site and in the community could be exposed to contaminants, there were no immediate hazards. The RAP includes:

- excavating contaminant source areas in the southern half of the site from the surface to an approximate depth of 8 feet;
- excavating source areas in four locations to approximate depths of at least 16 feet, removal and off-site thermal desorption of impacted soil;
- backfilling excavated areas to restore existing grades;
- performing in-situ chemical oxidation to treat residual source material beneath the excavated areas;
- constructing a subsurface barrier wall at the downgradient edge of OU-1 with in-situ groundwater treatment immediately upgradient of the barrier;
- recovering mobile tar or non aqueous phase liquid (NAPL) via extraction wells where practicable; and
- implementing institutional controls and a site management plan to manage future subsurface disturbance and resultant potential exposures.

(Continued next page)

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

Repository is open during normal library hours.

NYSDEC Region 1 Office
SUNY-Stonybrook
Stony Brook, NY 11790

Contact: Mr. Walter Parish
(631) 444-0241
Hours: M-F: 9-5 (by appointment)

This RAP significantly reduces the existing contaminant mass in OU-1 and, therefore, reduces potential for future exposure to contaminants in soil and groundwater within OU-1. The contribution of contaminants into groundwater is reduced by removal and treatment of source material. The barrier wall, NAPL recovery and treatment zone further mitigate potential migration of residual contamination from the site. Together, these measures significantly reduce the source of contaminants to the downgradient groundwater plume that is found in the area designated as OU-2. The cost to build the remedy for OU-1 is estimated at \$47.1 million. KeySpan will fund the project.

The Bay Shore West Yard, which is also in OU-1, is undergoing an Interim Remedial Measure involving removal of underground pipes and structures. This includes excavating soil, removing the pipes and any obviously contaminated soil from their channels; and replacing any contaminated soil with clean fill.

OU-2 – Off-site Bay Shore Groundwater Plume Area is entirely off-site and includes the area through which the plume of groundwater from the Bay Shore site flows, approximately ½ block east and west of Clinton Avenue to Montauk highway, then bending westward to Lawrence Creek. At the Public Meeting, representatives of the NYSDEC and KeySpan will discuss an Interim Remedial Measure to inject oxygen into the plume in two locations near Lawrence Creek to reduce the concentration of contaminants.

OU-3 Brightwaters Yard is the Brightwaters Yard area of the site and the narrow plume path crossing Lanier Lane and Cooper Lane to O-Co-Nee Pond. OU-3 will be undergoing an Interim Remedial Measure to remove by excavation approximately 1000 cubic yards of contaminated soil for off-site treatment/disposal. Because this IRM may produce odors, it is being undertaken beneath a temporary enclosure. It is still possible that some odors may escape. However, continuous air monitoring will be undertaken throughout the IRM, and appropriate protective actions will be taken should odors or concentration levels become of concern, including temporary stoppage of work until appropriate measures are in place. The IRM is scheduled to begin on April 26.

During all of the activities described above, workers are likely to be dressed in protective gear. This is an OSHA requirement for work of this kind and reflects the possibility that on-site workers during these activities may come in direct contact with the contaminants during their work, against which they must be protected. All of the work is being done under Health & Safety Plans for the protection of the workers and the community, which have been approved by the New York State Departments of Environmental Conservation and Health.

OU-4 Cesspool, Pond and Creek is east of the main site, mostly under the LIRR parking lot and Watchogue Creek (between Union Boulevard and Mechanicsville Road). An IRM calling for the excavation and treatment of contaminated soils under the Town of Islip Long Island Railroad parking lot and portions of an adjacent private property is being developed for implementation later this year.

Next Steps: After the Public Meeting and end of comment period, the comments received will be considered before the NYSDEC approves and describes the Remedial Action Plan for OU-1. KeySpan will also be undertaking the preparation of a Remedial Design Work Plan for the approved Remedial Action Plan and then the detailed Remedial Design. The implementation of Interim Remedial Measures in the other Operable Units as well

For More Information:

This Project is under the supervision of the New York State Department of Environmental Conservation and the New York State Department of Health. For more information about the site, please contact:

Remedial Action Plan and IRM's:

Mr. Amen Omorogbe, P.E
NYSDEC
Division of Environmental
Remediation
625 Broadway
Albany, NY 12233-7014
(518) 402-9564

Health-Related Concerns:

Ms. Lani Rafferty
NYSDOH, BEEI
Flanigan Square
547 River St., Room 300
Troy, NY 12180-2216
(800) 458-1158 Ext. 27890

KeySpan Representative:

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

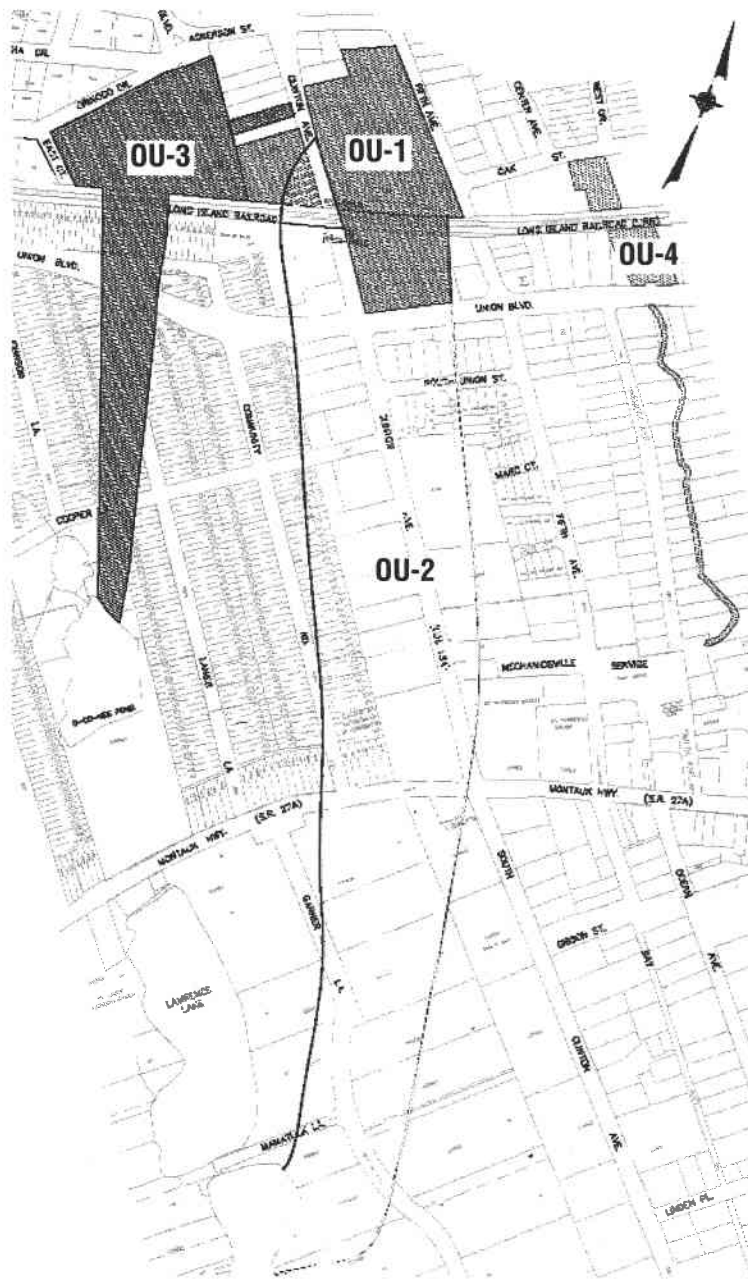
as on the main site will also continue. These activities are undertaken under the oversight of the NYSDEC, and require the filing and approval of Work Plans as well as interim and final reports evaluating the results of the activities. These final reports will also be available to the public in the Document Repositories for the Site.

Site and Environmental Investigation History:

The MGP operations began in the late 1880s and continued into the 1970s. Most of the MGP facilities were demolished in 1973. A site inspection conducted under the auspices of the United States Environmental Protection Agency in 1989 indicated the presence of subsurface impacts associated with former MGP operations. Subsequent investigations from 1992 through 2002 have comprehensively delineated and characterized the environmental impacts.

The January 2003, Bay Shore/Brightwaters Former Manufactured Gas Plant Site Final Remedial Investigation Report, Bay Shore, New York and the April 2002, Bay Shore/Brightwaters Former Manufactured Gas Plant Site Remedial Investigation Report, Bay Shore, New York (RI Reports) summarize the findings of all the investigations and interim remedial actions and recommend further remedial action to mitigate sources of MGP contaminants and eliminate potential exposure pathways and/or environmental impacts. In the Fact Sheet that was distributed at the time the Final Remedial Investigation Report was produced, the key findings were summarized as follows:

1. The site exhibits chemical constituents in soil and groundwater on-site and to the south or downgradient of the site. These chemical contaminants are primarily attributable to the former MGP at the site.
2. There are two separate groundwater contamination plumes. One, originating from the Bay Shore site, migrates south from the site and enters the upper end of Lawrence Creek. The other plume originates from the Brightwaters Yard and discharges into O-Co-Nee Pond (see Figure 1).
3. There are no findings that chemicals from the site have affected drinking water supplies for the community.
4. There are pathways through which people on the site and in the community could be exposed to hazardous materials related to the site. However, the investigations showed that no immediate hazards were found. KeySpan has already instituted, under NYSDEC supervision, some interim remedial measures (IRMs) to reduce the risks of exposure (see below).
5. There are pathways through which fish and wildlife could be exposed to materials associated with the site; however, because of the urbanization of the community and transient nature of the wildlife, specific actions directed at fish and wildlife exposure are not expected.



KEYSPAN

175 East Old Country Road
Hicksville NY 11801

FIRST CLASS
U.S. POSTAGE
PAID
Hicksville, NY
Permit No. 254