



ENVIRONMENTAL
CONSERVATION

Dear Interested Citizen:

This Fact Sheet provides an update on activities at this site since the March 31, 2004 signing of the Record of Decision by the Department.

A PUBLIC MEETING to discuss recent developments at the Site will be held on NameDay, November 00 at 0:00 PM. The Meeting will be held at Name of Place, 0000 Street. Representatives of the NYSDEC, KeySpan and the NYSDOH will provide an overview of site status and the planned work and respond to public questions.

**NYSDEC Contact:
Amen Omorogbe
(518) 402-9564**

**NYSDOH Contact:
Stephanie Selmer
1 (800) 458-1158 Ext. 27870**

**Community Board 1:
(718) 981-6900**

KeySpan Hotline:

November 2005

FACT SHEET

Former Clifton MGP Site

Site No: 2-43-023

Staten Island
Richmond County, NY

KeySpan, NYSDEC Begin Phase 2 of Remediation of OU-1 (40 Willow Ave. Sector) of Former Manufactured Gas Plant (MGP) Site; Public Meeting November 00

The New York State Department of Environmental Conservation (NYSDEC) and KeySpan have completed a Pilot Study of the installation of a Jet Grout Barrier Wall in the Operable Unit 1 (40 Willow Avenue) sector of the former MGP site, known as the Clifton Site. Based on the Pilot Test, modifications have been made to the design for and installation of the barrier wall.

The barrier wall is part of a remedy selected by the NYSDEC to address the site contamination associated with the former relief holder located at 40 Willow Avenue. The selected remedy includes construction of a barrier containment wall to a depth of approximately 130 ft below ground surface, that will be keyed into a weathered bedrock layer to isolate the contaminated source material and prevent migration of coal tar, a dense oily liquid with a strong objectionable odor.. In addition, a low permeability cap will be installed on the entire OU-1 area to prevent exposure to contaminated soil and limit infiltration of surface water runoff. Also included are the installation of wells to passively recover coal tar from inside the barrier wall area and an institutional control consisting of an environmental easement which would include restrictions on groundwater usage or future use of the land for residential purposes, a soil management plan and long-term monitoring. A soil gas survey will be performed before and after the implementation of the remedy to assess the soil gas vapor quality in the vicinity of the contaminated site.

Applying findings from the Pilot Test, KeySpan will install a barrier wall comprised of a sheet pile wall, running from just above the surface to an approximate depth of 40 feet below the surface. Interlocking jet grout columns will be installed from the bottom of the sheet pile to the bedrock, approximately 130 feet below the surface. Following the installation of the barrier wall, an

asphalt cap will be placed over the entire site, preventing any further contact with or exposure to the contaminants below the ground surface. With the exception of the asphalt cap and passive recovery wells, the area will be restored to pre-construction conditions

Schedule: Mobilization for sheet pile wall installation will begin around November 21. The installation will take approximately 30 days to complete. The installation of the jet grout barrier below the sheet pile wall will begin immediately on completion of the sheet pile wall and will require about 4 months. All work will be done during daylight hours on weekdays only, and the project should be completed by the end of the school year.

Site Description: The former MGP was operated by Richmond County Gas Light from 1856 to 1901. The plant was then operated by the New York and Richmond Gas Company from 1901 until 1957. Brooklyn Union acquired the later company in 1957, at which point MGP operations ceased. The 40 Willow Avenue parcel (OU-1) is the location of a former gas relief holder which was part of the plant structure, and historically used to store manufactured gas. Over the years, by-products, such as coal tar generated from the MGP operations have leaked or released from the relief holder resulting in the contamination of soil and groundwater. The holder was an aboveground structure approximately 150 feet tall with a storage capacity of about one million cubic feet. Demolition of the gas plant occurred in the spring of 1959.

Document Repositories: Two locations have been established as document repositories to provide you with access to project information. The ROD as well as other documents relevant to the site are available for review at the following locations:

Community Board 1
One Edgewater Plaza
Room 311
Staten Island, NY 10305
Phone #: (718) 981-6900
Hours of Operations: By appointment

Staten Island Borough President's Office
10 Richmond Terrace
Staten Island NY
Phone #: 718 816 2057
Hours of Operations: by appointment

For More Information: Please call or write the following staff:

Project Related Concerns
Mr. Amen M. Omorogbe, P.E.
NYSDEC, Div. Environmental Remediation
625 Broadway, Albany, NY 12233-7014
(518) 402-9564

Health-Related Concerns:
Ms. Stephanie Selmer
NYSDOH, BEEI
Flanigan Square
547 River Street, Room 300
Troy, New York 12180-2216
1 (800) 458-1158 Ext. 27870