

FACT SHEET

Kliegman Brothers Site

Site Number: 2-41-031

Glendale, New York

February 2008

Remedial Action Proposed for the Kliegman Brothers Site

* * * Public Meeting, Comment Period Announced * * *

Public Meeting Invitation

Wednesday
February 27, 2008
7:00 PM

Glendale Public School 119

75th Street
Glendale, NY 11040



The New York State Departments of Environmental Conservation and Health (NYSDEC and NYSDOH) will discuss the Proposed Remedial Action Plan (PRAP) for the Kliegman Bros. Site. At the meeting, representatives from NYSDEC and NYSDOH will:

- describe results of detailed investigations and interim remedial measures;
- explain the remedy selected in the Proposed Remedial Action Plan and other alternatives considered;
- receive your verbal or written comments on the proposal.

Public Comment Period

From: February 15, 2008
To: March 17, 2008

The New York State Department of Environmental Conservation (NYSDEC) working cooperatively with the New York State Department of Health (NYSDOH) is proposing additional action to address hazardous waste contamination from the Kliegman Brothers site in Glendale, New York.

The Proposed Action: Highlights of the remedy include in situ chemical treatment of contaminated groundwater plus groundwater extraction to create a hydraulic gradient in the treatment area. The proposal is described in the site's "Proposed Remedial Action Plan" (PRAP). The PRAP examines different ways to clean up contaminated groundwater at the site, and presents the preferred alternative. The source of the groundwater contamination, contaminated soil at the Kliegman Brothers site, is currently being remediated by a soil vapor extraction treatment system.

Your Opportunities to Comment on the Proposed Remedy: Release of the PRAP begins a process to finalize selection of a remedy for the Kliegman Brothers site. *Your comments about the proposed remedy are important and encouraged.* The PRAP can be viewed at the document repositories identified below during the hours indicated and on the Department's web site (<http://www.dec.state.ny.us/website/der/projects/>).

Your oral and written comments about the PRAP are welcome at the **public meeting** (see sidebar) and during a **public comment period** which runs until March 17, 2008. Written comments may also be sent until the end of the comment period by addressing them to:

Mr. James Quinn, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, Albany, New York 12233-7016

What Happens Next: All comments received during the public comment period will be considered. Public input will be factored into a Record of Decision (ROD) which will describe the remedy selected and why it was chosen. A Responsiveness Summary will be prepared to provide a response to public comments received. The Responsiveness Summary will be part of the ROD. Work will then continue to design and implement the selected remedy.

Document Repositories:

NYSDEC, Central Office
By: Appointment
Attn: Mr. James Quinn, P.E.
Division of Environmental Remediation
Remedial Bureau B
625 Broadway, Albany, NY 12233-7016
M - F - 8:30 AM - 4:30 PM
(518) 402-9774

Queens Borough Public Library
Glendale Branch
78-60 73rd Place
Glendale, NY 11385
Phone: (718) 821-4980
Hours: M 1-8; T 1-6, W 10-6, Th 1-8, F 1-6
Sat. and Sun. closed

For more information please contact the following staff:

Meeting/Comment Period/PRAP:
Mr. James Quinn, P.E.
NYSDEC, Div. of Env. Remediation
625 Broadway, Albany, NY 12233-7016
(518) 402-9774 or
1 (888) 212-9586

Health -Related Concerns:
Ms. Stephanie Selmer.
NYSDOH, BEEI, Flanigan Square
547 River Street
Troy, NY 12180-2216
(518) 402-7870 or
1 (800) 458-1158ext. 27870

Site Description:

The Kleigman Brothers Site is located at 76-01 77th Avenue in Queens County, New York City (Figure 1). The site is bordered to the north by the Long Island Railroad. Residences border the site to the east, west and south. This site is an area approximately 37,000 square feet, of which 26,000 is occupied by a building.

Summary of Proposed Remedial Action:

The elements of the proposed remedy are as follows:

- A remedial design would be performed to provide the details necessary for the construction, operation, maintenance, and monitoring of the remedial program. During this design, the feasibility of constructing an extraction well, force main, and groundwater treatment plant (items 3 and 4, below) would be determined;
- Approximately 60 oxidant injection locations would be installed within the concentrated plume area. Several injection events would occur, each expected to last a few weeks to one month. Performance monitoring events would be performed four to eight weeks after completion of injection activities to determine contaminant mass reduction in comparison to baseline groundwater concentrations and subsurface distribution of injection oxidant material;
- A ground water extraction well would be constructed on 76th St. Groundwater would be extracted from this well to create a hydraulic gradient to increase the area reached by the injected oxidants;
- A groundwater treatment system would be constructed on or near Edsall Ave. to treat extracted groundwater. The treatment system is anticipated to minimally include: an air stripper for the removal of VOCs and vapor phase carbon units to remove contaminants in off-gas from the air stripper. A force main would be constructed to carry water from the extraction well to the treatment plant;
- The ongoing vapor intrusion mitigation program would continue to monitor soil gas levels at adjacent residences and assess the need for additional system sub-slab depressurization installations. Additional system installations would be conducted as necessary in the future to provide mitigation;
- The operation of the remedy would continue until the remedial objectives have been achieved, or until the Department determines that continued operation is technically impracticable or not feasible.

Costs and Funding for the Proposed Remedy

The construction, maintenance, and monitoring costs (present worth) for the proposed remedy are estimated at \$7,600,000. The state superfund program is expected to fund the design and construction of the remedy. The NYSDEC would then attempt to recover the costs from the responsible party through legal proceedings.

Background:

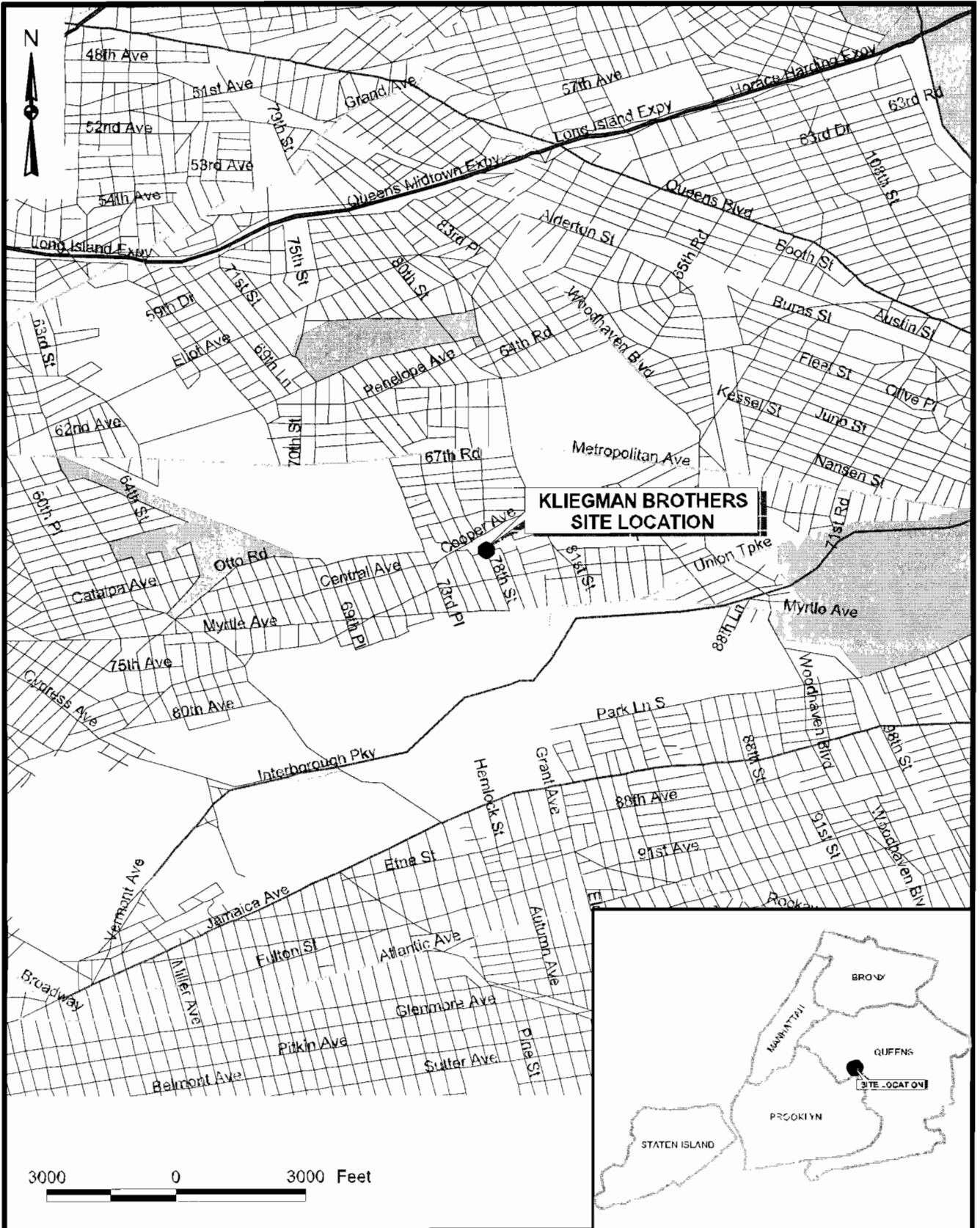
The site was formerly owned by Kliegman Brothers, Inc. It was used as a warehouse and distribution center for laundry and dry-cleaning supplies from the 1950s through the 1990s. The site contained two 6,000 gallon above ground storage tanks (ASTs) which were used to store tetrachloroethene (PCE) that have since been removed. These tanks are the presumed source of contamination. It is unknown when product was released or whether contamination was due to a single catastrophic release or a chronic leak problem. Kliegman Bros. ceased operation in 1999. In 2000, the site was purchased and operated as an import foods distributor.

In November 2000, the NYSDEC listed the site as a Class 2 site in the Registry of Inactive Hazardous Waste Disposal Sites in New York. A Class 2 site is a site where hazardous waste presents a significant threat to public health or the environment and action is required.

A remedial investigation was initiated in 2002 to gather data and develop a remedial approach. The field activities and findings of the investigation are described in the RI report dated February 2004, the RI Addendum dated September 2005 and the Soil Vapor Investigation Report dated July 2006.

A soil vapor intrusion investigation of surrounding structures was conducted to analyze the air quality beneath and within occupied structures. Owners of several properties were offered sub-slab depressurization systems, and eight such systems have been installed. These systems (similar to radon removal systems) reduce the air pressure under a building and thereby prevent vapors from migrating upward into the building.

A soil vapor extraction (SVE) system was installed at the Kliegman Brothers Site as an interim remedial measure in 2004. The NYSDEC signed a Record of Decision in March 2006 which called for an expansion and enhancement of the SVE system on the site to remediate contaminated soil beneath the property. This expanded system has been constructed and is currently operational.



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10/2005

3000 0 3000 Feet

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KIEGMAN BROTHERS
SITE LOCATION MAP

FIGURE 1