

**FACT SHEET****Brownfield Cleanup
Program****Receive Site Fact Sheets by *Email*. See "For More Information" to Learn How.**

Site Name: Gowanus Village I, LLC
DEC Site #: C224099
Address: 430 Carroll St/153 2nd St
Brooklyn, NY 11217

Have questions?
See
"Who to Contact"
Below

Report Recommends Cleanup of Brownfield Site Contamination

The New York State Department of Environmental Conservation (NYSDEC) is reviewing the Remedial Investigation Report for the Gowanus Village I, LLC site ("site") located at 430 Carroll St/153 2nd St, Brooklyn, Kings County. Please see the map for the site location. Documents related to the cleanup of this site can be found at the location(s) identified below under "Where to Find Information."

Remedial Investigation Report

NYSDEC is reviewing the "Remedial Investigation Report" that was submitted. The report describes the results of the site investigation and recommends development of a remedy to address the contamination that was found.

Based on the findings of the investigation, NYSDEC, in consultation with the New York State Department of Health (NYSDOH), has determined that the site poses a significant threat to public health or the environment due to elevated concentrations of contaminants in groundwater and soil. The activities in the report have been designed to address the identified contamination and the threat posed.

Highlights of the Remedial Investigation Report

In 2007, a Remedial Investigation was performed that included 10 soil vapor samples, 32 soil borings, collection of 162 soil samples, installation of 7 groundwater monitoring wells, and the excavation of 5 test pits. In 2012 a Supplemental Remedial Investigation was completed that included 25 additional soil vapor samples, 5 soil borings, and the installation of 5 additional groundwater monitoring wells.

The results of these investigations indicated polychlorinated biphenols (PCBs) in soil at 0-2 ft ranging from below detection limits (BDL) to 72 parts per million (ppm); elevated levels of semi-volatile organic compounds (SVOCs) were also detected in surface soil. In subsurface soil PCBs range from BDL to 3,870 ppm. Volatile organic compounds (VOCs) were detected in subsurface soil ranging to 2,540 ppm, primarily trimethylbenzene. Several metals are elevated in subsurface soil, above Commercial Soil Cleanup Objectives (CSCOs). Lead (up to 6,320 ppm), copper, arsenic and barium were detected in subsurface soil above CSCOs but by

the nature of urban fill, metal concentrations are usually elevated.

VOCs, SVOCs, metals and PCBs were also detected in groundwater. Total VOCs detected range to over 1 ppm at one location. The primary VOCs detected in groundwater were chlorobenzene, dichlorobenzene and trichlorobenzene. Other contaminants detected at elevated concentration in groundwater, including lead, mercury, and PCBs (up to 85 parts per billion (ppb)), are also present at elevated concentrations in soil indicating an on-site source to the contamination found in the groundwater.

VOCs are present in soil vapor, the highest being tetrachlorethene (PCE), which was detected at 1,260 ug/m³ at one location along 2nd Street. PCE at this concentration could impact indoor air quality in new on-site structures or existing off-site structures.

The site borders the Gowanus Canal, an National Priorities List(NPL)Site; although this site has not been considered to be a contributor to Gowanus Canal contamination there is the potential for future migration of contamination from the site.

PCBs detected on site likely resulted from the site being used as an electrical power sub-station. Other contaminants were likely the result of over 125 years of manufacturing uses of the property including a coal-fired power station, sulfur-works, and a paper mill.

Next Steps

NYSDEC will complete its review, make any necessary revisions and, if appropriate, approve the investigation report. The approved report will be made available to the public (see "Where to Find Information" below). A cleanup plan, called a "Remedial Work Plan" will then be developed. This plan describes how contamination will be addressed, with NYSDEC and NYSDOH overseeing the work. NYSDEC will present the draft cleanup plan to the public for its review and comment during a 45-day comment period.

NYSDEC will keep the public informed throughout the investigation and cleanup of the site.

Background

Location:

The property is an approximately 2.5 acre site located in a commercial/industrial area of Brooklyn at 153 2nd St. The Gowanus Canal is located adjacent to the site to the Northwest.

Site Features:

A 24,200 square foot, three story structure occupies the eastern portion of the site. The remainder of the site is vacant and mostly paved with concrete, with debris piles, scrap metal and some vegetative cover.

Current Zoning:

The site is currently inactive and is zoned for Manufacturing and Commercial use.

Historic Uses:

Sanborn maps dating back to 1886 indicate that the site was occupied by Nassau Sulfur Works and Smith and Shaw Mattress Materials and Paper Stock. In 1904, the property was transferred to the Brooklyn Rapid Transit R.R. Power Plant. Under their ownership, it appears that coal was delivered by water and transported beneath the Site via coal tunnel. In 1938, the property was turned over to the Williamsburg Power Plant Corporation and used as a central power station. The property was transferred to the New York City Transit System in 1950, where it was used as an electrical sub-station and switching yard until 1996.

Site Geology and Hydrogeology:

The site is underlain by urban fill to a depth of about 8 feet, but reportedly ranging to depths up to 24 feet in some areas. Below the fill is a layer of organic silt indicative of a historic wetland. The depth to groundwater ranges from about 7 ft. to 20 ft. with groundwater movement generally to the northwest toward the Gowanus Canal.

A Phase II Investigation was completed in 2005. A draft Remedial Investigation (RI) was completed in June 2007 and a Supplemental RI Report was submitted in March 2012.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at:

<http://www.dec.ny.gov/cfm/external/derexternal/haz/details.cfm?pageid=3&progno=C224099>

Brownfield Cleanup Program: New York's Brownfield Cleanup Program (BCP) encourages the voluntary cleanup of contaminated properties known as "brownfields" so that they can be reused and redeveloped. These uses may include recreation, housing, business or other uses.

A **brownfield** is any real property that is difficult to reuse or redevelop because of the presence or potential presence of contamination.

For more information about the BCP, visit: <http://www.dec.ny.gov/chemical/8450.html>

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following location(s) to help the public stay informed.

Brooklyn Public Library - Pacific Branch
25 4th Avenue
Brooklyn, NY 11217
phone: (718) 638-1531

Brooklyn Public Library - Park Slope Library
431 6th Avenue
Brooklyn, NY 11215
phone: (718) 832-1853

NYSDEC
Attn: Brian Davidson
625 Broadway - 12th Fl.
Albany, NY 12233-7016
phone: (518) 402-9767

Who to Contact

Comments and questions are always welcome and should be directed as follows:

Project Related Questions

Brian Davidson
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016
518-402-9767
bhdavids@gw.dec.state.ny.us

Site-Related Health Questions

Chris Doroski
New York State Department of Health
Bureau of Environmental Exposure Investigation
Corning Tower, Room 1787
Albany, NY 12237
(518) 402-7860
BEEI@health.state.ny.us

We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.

Receive Site Fact Sheets by Email

Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page:
<http://www.dec.ny.gov/chemical/61092.html>. It's quick, it's free, and it will help keep you *better informed*.



As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.

Note: Please disregard if you already have signed up and received this fact sheet electronically.