



Department of
Environmental
Conservation

FACT SHEET

Petroleum Remediation Program

Former Pratt Oil Works
3820 – 3914 Review Avenue
Long Island City, NY 11101

May 2018

SITE No. S241115
NYSDEC REGION 2

Environmental Cleanup to Begin at Petroleum Site Public Availability Session Announced

Availability Session, Thursday 5/24/18 at 4:30 PM to 7:30 PM
NYSDEC Region 2 office, 47-40 21st Street, 8th Floor Conference Room,
Long Island City, NY 11101

NYSDEC invites you to a public availability session to discuss the remedial activities for the site. Drop in any time during the session to ask questions and discuss the ongoing and upcoming site activities.

The New York State Department of Environmental Conservation (NYSDEC) invites the public to discuss the ongoing and future remedial activities to address contamination related to the Former Pratt Oil Works site (“site”) located at 3820 – 3914 Review Avenue, Long Island City, Queens 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 to the left under “Where to Find Information.”

The cleanup activities for the site will be performed by ExxonMobil Environmental Services Company and Waste Management of New York, LLC (collectively, the Remedial Party) with oversight provided by the New York State Department of Environmental Conservation (NYSDEC). The site is comprised of four “Operable Units” (OUs) as shown on the attached figure. Each of the OUs will be addressed by the Department-approved remedial action alternatives.

Highlights of the Upcoming Cleanup Activities: The goal of the cleanup action for the site is to achieve cleanup levels that protect public health and the environment. The key components of the remedy are:

- Continue recovering Light Non-Aqueous Phase Liquid (LNAPL), which contains weathered petroleum contamination, and operating skimming systems already constructed at the site. Skimming systems extract LNAPL from the subsurface using a pump;
- Maintain the existing cover system and construct a new low-permeability cover over areas that are not currently covered with asphalt, concrete, or buildings (with the exception of the railroad tracks);
- Monitoring of natural source zone depletion (NSZD) and natural attenuation via groundwater and soil vapor sampling to demonstrate the reduction of petroleum-related compounds. Natural attenuation is the physical, chemical or biological processes that reduce the amount of soil and groundwater contamination;

Where to Find Information:

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

Queens Central Library
89-11 Merrick Boulevard
Jamaica, NY 11432
(718) 990-0700

Queens Community Board 2
43-22 50th Street, Room 2B
Woodside, NY 11377
(718) 533-8773

Who to Contact:

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

Project-Related Questions
John Grathwol, Project Manager
NYSDEC
625 Broadway
Albany, NY 12233-7016
(518) 402-9767
john.grathwol@dec.ny.gov

For more information about New York’s
Petroleum Remediation Program, visit:
www.dec.ny.gov/chemical/8428.html

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- In-situ (“In-Place”) soil mixing using approximately 175,000 pounds of lime (calcium hydroxide) to neutralize the acidic soil and groundwater;
- Installation of a Soil Vapor Extraction/Air Sparging (SVE/AS) system to remediate the contaminated soil and groundwater;
- Installation of a bioventing system to maximize the efficiency of the SVE/AS system;
- Installation of bulkhead to eliminate petroleum discharge into Newtown Creek; and
- Record Environmental Easements to place groundwater use restrictions on the property and to limit the site’s use to industrial.

A site-specific health and safety plan (HASP) and a Community Air Monitoring Plan (CAMP) will be implemented during remediation activities. The HASP and CAMP establish procedures for the protection of on-site workers and residents and includes required air monitoring as well as dust and odor suppression measures.

Next Steps: After the Remedial Party completes the cleanup activities, they will prepare a Final Engineering Report (FER) and submit it to NYSDEC. The FER will describe the cleanup activities completed and certify that cleanup requirements have been/or will be achieved.

When the NYSDEC is satisfied that the cleanup requirements have been/or will be achieved for the site, it will approve the FER.

A fact sheet that describes the content of the FER will be sent to the site contact list. The fact sheet will identify any institutional controls (for example, environmental easement) or engineering controls (for example, a site cover) necessary at the site in relation to the closure of the spill project.

Site Description:

Location

The site encompasses 18.51 acres adjacent to Newtown Creek at 3820 - 3914 Review Avenue in Queens, in an industrial/commercial area. The property is divided by the

Long Island Railroad (LIRR) train tracks. A Waste Management Transfer Station and Steel Equities warehouse space with several tenants occupy the property along Newtown Creek. Several businesses occupy the inland portion of the site including a cesspool service company, valve manufacturer, and building and lumber supply.

Site Geology & Hydrogeology

The site is underlain by urban fill which contains layers of coal ash. Urban fill is underlain by a deposit of peat/organic silt in places, as well as deposits of sands, silt, gravel and cobbles. The regional hydrogeologic unit beneath the site area is the Upper Glacial aquifer. Depth to groundwater ranges from 3.5 ft. below grade in the southern portion of the site to 28 ft. below grade in the northernmost portion of the site. Regional groundwater flow is west towards Newtown Creek.

Petroleum Remediation Program Overview: Under this program, NYSDEC responds to, and manages real time emergency spills of petroleum, hazardous materials and non-hazardous materials that range from several gallons to several thousand gallons and manages long term petroleum subsurface investigation and remediation projects.

For more information about Petroleum Remediation and Spill Response Program, visit:

<http://internal.dec.state.ny.us/der/der466.html>

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:

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.

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Site Location Map

