



FACT SHEET	Voluntary Cleanup Program
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Site Name: Yaphank (LIRR)
DEC Site #: V00384
Address: E. of River Rd, S. of RR Tracks
 Yaphank, NY 11980

Have questions?
See
"Who to Contact"
Below

Remedy Selected for Voluntary Cleanup Site Contamination

The New York State Department of Environmental Conservation (NYSDEC) has released a proposed cleanup plan for the Yaphank (LIRR) site ("site") located at E. of River Rd, S. of RR Tracks, Yaphank, Suffolk 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 Action Work Plan and Decision Document

The cleanup plan is described in NYSDEC's Decision Document, which is based on a more detailed "Remedial Action Work Plan". The remedy consists of:

Based on the remedial action objectives (RAOs) defined for the site and adjoining impacted properties and the nine remedy selection factors presented in NYSDEC DER-10 Guidance the remedial alternative described in the following paragraphs best meets the selection criteria:

The remedy will include placement of a 1-foot soil, stone, or concrete cover over the fill material on portions of the LIRR property, on the adjacent property to the southeast of the site (Cement Plant), and placement of a 1-foot asphalt cover on the adjoining property to the east of the site (Asbestos Transfer Company). The placement of these covers will require the excavation of soil/fill before placement of the cover systems in areas where the existing ground surface elevation cannot be significantly altered.

The remedy also includes the excavation of fill material above Residential Use SCOs from the adjacent undeveloped residential property to the south and replacement with clean fill.

The excavated soil/fill will be consolidated on the western two acre portion of the LIRR property. The consolidated soil/fill in the western area of the site will be capped with an impermeable engineered cap. This cap will consist of an asphalt and plastic membrane "crown" and a fabric formed concrete revetment and plastic membrane on the side slopes. This will also serve as an effective low permeable cap to cover the portion of the site that has exhibited the highest metal concentrations based on the completed investigations. The cap and cover will isolate the contamination from human or environmental exposure.

Additional drainage enhancements are part of the design, and will convey the storm water run-off from the site to drainage control basins. Groundwater monitoring will be continued to show the remedy is being protective of the environment. Other engineering and institutional controls will be implemented to monitor and maintain the cap, covers, site access, and site use.

Additional Details

The remedial construction will involve the excavation and movement of approximately 9500 cubic yards of soil and fill. This will take place on site or on the properties immediately adjacent to the site. You may notice increased truck traffic, heavy excavation equipment, water spraying, dust monitoring, fence construction, and placement of plastic sheeting and asphalt pavement. The remedy does not call for the removal of soil from the site. However, clean fill and asphalt will be brought on to the site and the adjacent properties to create the cap and cover.

The remedy was developed by MTA Long Island Rail Road ("volunteer(s)") after performing a detailed investigation of the site under New York's Voluntary Cleanup Program (VCP).

Summary of the Investigation

A Site Investigation was conducted to delineate the nature and extent of contamination. Soil and groundwater samples were collected on and off-site. The contamination consisted of inorganic contamination (primarily lead, arsenic, zinc, and copper) that is present in the fill disposed of at the site. The contaminated fill is up to 25 feet thick and covers about 7.5 acres. This fill is also present at off-site properties immediately adjacent to the site. The contaminated fill does not extend west beyond River Road and does not extend east beyond Moriches Middle Island Road. The contaminated fill is not more than 240 feet south of the railroad tracks.

An interim remedial measure was initiated during the investigation to remove contaminated soil from a low land area off-site to the east of River Road. This clean up removed contamination and restored this area to residential cleanup criteria. The contamination does not impact the soils to the west of River Road.

Groundwater is contaminated on-site by site-related contaminants but site-related contaminants do not affect groundwater off-site. The groundwater flows beneath the site generally from the northeast to the southwest. Five to ten feet of native soils separates the contaminated fill from the groundwater table. Contamination has not impacted the native soils beyond the interface with the contaminated fill.

Next Steps

NYSDEC will issue a Decision Document announcing the selected remedy. The Volunteer will develop a remedial design document that will describe the details of the selected remedy. NYSDEC will review the design to make sure it is in accordance with the selected remedy. Following the completion of the design documents, the Volunteer will select a remedial contractor to implement the remedy. Prior to the implementation of the remedy NYSDEC will issue another fact sheet providing details of the implementation. The volunteer(s) will then perform the cleanup action to address the site contamination, with oversight by NYSDEC and NYSDOH.

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

Background

Location: This site lies along the railroad tracks east of the hamlet of Yaphank, in the Town of Brookhaven. The site is south of the rail road tracks immediately east of River Road.

Site Features and Land Use: The site is about four acres in area. The site has no structures and is fenced off from trespassers. The site is zoned for transportation with adjacent properties zoned for industrial, commercial, and residential uses.

Past Use of the Site: This site was used by the Long Island Railroad from the 1950s until the 1970's as an unauthorized disposal area of contaminated fill and debris. Soil and groundwater samples were collected from the site in the early 1990's. A Preliminary Site Assessment (PSA) was conducted in 1998/99. The results of the PSA indicated that fill disposed of at the site had also extended to off-site areas. The site entered into the Voluntary Cleanup Program in 2002.

Site Geology and Hydrogeology: The fill material disposed of at the site is up to 25 feet thick and overlays the native soils consisting of sands, gravels, and clays to a depth of approximately 1700 feet below grade. The groundwater is about 10 to 30 feet below grade depending on the surface elevation and flows to the south-southwest.

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

<http://www.dec.ny.gov/cfm/external/haz/details.cfm?pageid=3&progno=V00384>

Voluntary Cleanup Program: New York's Voluntary Cleanup Program (VCP) was developed to encourage private sector volunteers to investigate and clean up contaminated properties and return these sites to productive use. Once cleaned up, the properties may be redeveloped for commercial, industrial, residential or public use.

For more information about the VCP, visit: <http://www.dec.ny.gov/chemical/8442.html>

FOR MORE INFORMATION

Where to Find Information

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

MASTICS-MORICHES-SHIRLEY-COMMUNITY LIBRARY
Attn: Reference Librarian
407 WILLIAM FLOYD PARKWAY
SHIRLEY, NY 11967-3492
Phone: 631-399-1511

Who to Contact

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

Project Related Questions

Nathan Putnam
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7015
518-402-9621
neputnam@gw.dec.state.ny.us

Site-Related Health Questions

Anthony Perretta
New York State Department of Health
Empire State Plaza Corning Tower Room 1787
Albany, NY 12237
518-402-7880
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.

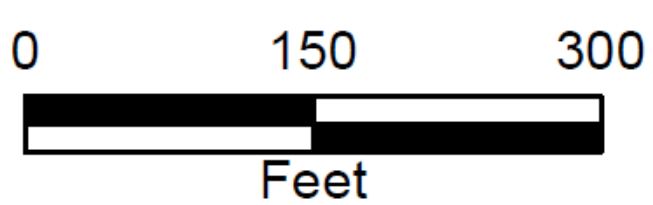
Receive Site Fact Sheets by Email

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.



Site Map

Yaphank (LIRR)
Town of Brookhaven, Suffolk County
Site No. V00384

