NEW YORK STATE | Department of Environmental Conservation

January 2018

FACT SHEET

Brownfield Cleanup Program

Receive Site Fact Sheets by *Email.* See "For More Information" to Learn How.

Site Name: Ever Nu Metal
DEC Site #: C224187
Address: 471-483 20th Street
Brooklyn, NY 11215

Have questions? See "Who to Contact" Below

Interim Remedial Measure Proposed
Public Comment Period Announced

The New York State Department of Environmental Conservation (NYSDEC) is proposing an expedited cleanup for the Ever Nu Metal site ("site") located at 471-483 20th Street, Brooklyn, NY. 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."

NYSDEC is conducting a public comment period because this Interim Remedial Measure (IRM) is likely to represent a significant part of the cleanup for this site. An IRM is a cleanup activity that may be performed when a source of contamination or exposure pathway (the way in which a person may contact contamination) can be effectively addressed without extensive investigation and evaluation.

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

http://www.dec.ny.gov/cfmx/extapps/derexternal/haz/details.cfm?pageid=3&progno=C224187

How to Comment

NYSDEC is accepting written comments about the proposed IRM work plan for 30 days, from **January 10, 2018** through **February 9, 2018**. The proposed plan is available for review at the location(s) identified below under "Where to Find Information." Please submit comments to the NYSDEC project manager listed under Project-Related Questions in the "Who to Contact" area below.

Draft Interim Remedial Measure Work Plan

The draft IRM work plan describes the proposed cleanup activities that include:

Soil Vapor Extraction (SVE):

Soil vapor extraction (SVE) will be implemented to remove remaining volatile organic compounds (VOCs) from the subsurface. VOCs will be physically removed from the soil by applying a vacuum to wells that have been installed into the vadose zone (the area below the ground but above the water table). The vacuum draws air through the soil matrix which carries the VOCs from the soil to the SVE well. The air extracted from the SVE wells is then treated, as necessary, prior to being discharged to the atmosphere.

Eight (8) SVE wells will be installed into the vadose zone and screened from 10 feet below the ground surface to a depth of approximately 15 feet. Two deeper SVE wells will also be installed in the mid portion of the site where elevated concentrations of tetrachloroethylene (PCE) and trichloroethylene (TCE) were detected in soil vapor at greater depths. These wells will be screened from 25 feet below the ground surface to a depth of approximately 30 feet. The air containing VOCs extracted from the SVE wells will be treated by passing the air stream through activated carbon which removes the VOCs from the air prior to it being discharged to the atmosphere.

Summary of the Investigation

The Remedial Investigation (RI) was initiated in September of 2016. The purpose of this investigation was to fully investigate the nature and extent of site related contamination. During the RI, a total of seven (7) soil probes were installed and a total of 20 soil samples were collected and analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), herbicides, pesticides, polychlorinated biphenyls (PCBs) and metals.

The results of the RI and the available soil vapor data confirmed that the primary contaminants of concern are TCE and PCE. TCE was confirmed in soil at two locations, however, both TCE and PCE were found at elevated concentrations in on and off-site soil vapor.

TCE was detected in shallow soil (2 to 4 feet below grade surface (bgs)) along the northeastern boundary at a concentration 470 parts per million (ppm) which exceeds the commercial and industrial use soil cleanup objectives of 200 and 400 parts per million (ppm), respectively. Along the southwestern area, TCE was detected at a concentration of 1.5 ppm at deeper depth (12 to 14 feet bgs) which exceeds unrestricted use soil cleanup objectives (UUSCO) of 0.47 ppm.

TCE and PCE were both detected in soil vapor at elevated concentrations on and off-site with the highest concentrations detected on-site. TCE was detected at 140,000 µg/m3 (micrograms per cubic meter) and PCE at 9,200 µg/m3. At the off-site area the highest PCE and TCE concentrations were detected in the adjacent parking lot located to the north-northwest at 150 µg/m3 and 3200 µg/m3 respectively. Sub-slab depressurization system (SSDS) has been installed at an off-site residential building to mitigate the soil vapor exposure.

Groundwater depth at the site is very deep (expected to be over 150 feet below grade surface) and was not investigated at this time.

Next Steps

NYSDEC will consider public comments, revise the plan as necessary, and approve the IRM work plan in consultation with New York State Department of Health (NYSDOH). The approved work

plan will be made available to the public (see "Where to Find Information" below). After the work plan is approved, the activities detailed in the work plan will be implemented. Upon completion of the work, a Construction Completion Report will be prepared that documents the activities that were performed.

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

Background

Location: The Ever Nu Metal site is located at 471-483 20th Street, near the intersection of 20th Street and Prospect Park West in Brooklyn, just south of the Prospect Expressway.
The site is bordered by 20th Street and Greenwood Cemetery to the south, an institutional building (Diocese of Brooklyn) to the east and north, residential buildings to the north, and a parking lot and additional commercial/industrial buildings to the west.

Site Features: The site is 13,700 square feet (0.31 acre) in an urban area. The whole site is occupied by two connected 1-story buildings.

Current Zoning and Land Use: The site is zoned M-1 for manufacturing uses. The on-site building houses Ever Nu Metal Products, which specializes in sandblasting and metal coating. The surrounding parcels are currently used for a combination of commercial, residential, institutional, and utility right-of-ways.

Past Use of the Site: The on-site building was constructed in 1931. Ever-Nu Metal has operated at the site since at least 1953 and generally conducts commercial metal powder coating, finishing and sand blasting.

Site Geology and Hydrology: The site is generally level and is at an elevation of approximately 175 feet above sea level. The general soil type from surface down to about 24 feet bgs is classified as fill consisting of brown sand with varying amount of brick, coal and pebbles to variable depths between 2 and 8 feet bgs. The fill layer is underlain by a layer of fine to coarse grained sand with pebbles and rocks.

Groundwater in the vicinity of the site is expected to be encountered at over approximately 150 feet below grade surface or approximately 15 feet above sea level and is expected to flow generally to the west/southwest.

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 include recreation, housing, business or other uses.

A brownfield site is any real property where a contaminant is present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria or guidance adopted by DEC that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations.

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
Park Slope Library
Attn: Stepahnie Brueckel
431 6th Avenue
Brooklyn, NY 11215
Phone: 718 832 1853

Brooklyn Community Board 7
Attn: Daniel Murphy, Chair
Jeremy Laufer, District Manager
4201 4th Avenue
Brooklyn, NY 11232
Phone: 718-854-0003

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

Project Related Questions
Sadique Ahmed
NYS Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016
Tel: 518-402-9767
Email: sadique.ahmed@dec.ny.gov

Site-Related Health Questions
Dawn Hettrick
New York State Department of Health
Bureau of Environmental Exposure Investigation
Corning Tower, Room 1787
Albany, NY 12237
Tel: 518 402 7860
Email: BEEI@health.ny.gov

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.

Site Location Map