

FACT SHEET

State Superfund Program

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Site Name:Scobell Chemical - NYSDOT SiteDEC Site #:828076Address:1 Rockwood PlaceBrighton, NY14610

Have questions? See "Who to Contact" Below

Amended Remedy Proposed for State Superfund Site; Public Comment Period and Public Meeting Announced

Public Meeting, Tuesday, 3/12/2013 at 7:00 PM Brighton Town Hall Auditorium: 2300 Elmwood Avenue, Rochester, NY 14618

NYSDEC invites you to a public meeting to discuss the proposal to amend the Record of Decision documents (i.e., amended remedy) for the site. You are encouraged to provide comments at the meeting, and during the 30-day comment period described in this fact sheet.

The public is invited to comment on a remedy amendment proposed by the New York State Department of Environmental Conservation (NYSDEC) related to the Scobell Chemical – New York State Department of Transportation (NYSDOT) Site ("site") located at 1 Rockwood Place, Brighton, Monroe 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."

How to Comment

NYSDEC is accepting written comments about the proposed amended plan for 30 days, from **February 28, 2013** through **March 29, 2013**. The proposed amended 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.

The site is listed as a Class "2" site in the New York State (NYS) Registry of Inactive Hazardous Waste Disposal Sites (list of State Superfund sites). A Class 2 site represents a significant threat to public health or the environment; action is required.

Proposed Amended Remedy

The main contaminants present at and down gradient of the site are volatile organic compounds (VOCs), primarily the chlorinated solvent trichloroethylene (TCE), which is present in bedrock as a dense non aqueous phase liquid (DNAPL). DNAPL means the contamination is not fully dissolved and is heavier than water.

The site is divided into two operable units. Operable Unit 1 (OU1) is the actual site and Operable Unit 2 (OU2) is the off-site area where high concentrations of TCE occur in groundwater. Remedies for both OU1 and OU2 were outlined in Record of Decision documents (RODs) in 1999 (OU1) and 2002 (OU2), but were not implemented. The NYSDEC is proposing to amend the ROD documents for the Scobell Chemical - NYSDOT site for OU1 and OU2 and combining them into one decision document for both OU1 and OU2.

One of the primary original remedies for the OU2 area was in-situ steam treatment (IST) of contamination in bedrock. This was also the selected remedy for a nearby site (Chemical Sales site in the Town of Gates, Monroe County). Based on the planning for a pilot test at the Chemical Sales site, it became apparent that the cost of implementing a full-scale IST system to cleanup the Chemical Sales site would be prohibitive. Due to similar conditions at the Scobell Chemical – NYSDOT Site (DNAPL in fractured bedrock), it was also determined that IST was likely not feasible from a cost perspective at the Scobell Chemical – NYSDOT Site (at \$85 per cubic yard, treating an approximate 10 foot thick section of contaminated bedrock is estimated to be greater than \$20 million, compared to the original ROD cost estimate of \$3.6 million). It was also identified that IST might not be able to fully treat the area due to the low temperatures that would be achieved and the potential that DNAPL would be forced into inaccessible fractures.

Based on this information, and the time that had passed since the original remedies were selected, it was concluded that a revised remedy that also takes into consideration the current zoning, future end use of the site, and availability of new treatment technologies should be evaluated. Therefore, a data gap investigation was performed to better understand the magnitude of contamination. The investigation identified the primary location of the DNAPL within bedrock (the area of DNAPL was larger than originally defined) and evaluated contamination diffused into the bedrock matrix. Based on this new understanding, a focused feasibility study was conducted to select, evaluate, and compare remedial actions capable of removing the DNAPL contaminant mass from within the bedrock fractures at and downgradient of the site.

As a result of this new information, the Department is proposing to amend the ROD documents for OU1 and OU2 and treat the operable units as a single unit since the most significant source of contamination for both units is the TCE DNAPL source area which is located in the fractured bedrock both on- and off-site.

The cleanup goals used for soils meet the long term objectives for industrial use consistent with property use/zoning. The groundwater cleanup goals are designed to meet New York State standards, although it may take some time for the remedy to achieve the groundwater cleanup goals. The plan addresses the source of the groundwater contamination present in the bedrock, thereby reducing contaminant concentrations in the groundwater downgradient of the site. Other alternatives considered included: no further action; institutional controls and long term monitoring; and in-situ thermal treatment and long term monitoring. These alternatives are further discussed in the Proposed ROD Amendment available in the document repository.

The amended remedy proposed for the site includes:

- In-Situ Chemical Reduction to destroy VOCs in the OU1 and OU2 source areas (i.e. areas of very high concentrations of site contaminants). This involves the injection of fine iron particles, referred to as zero valent iron (ZVI), into the subsurface to create conditions that will break down the VOC contamination. This remedy replaces the OU1 low-flow DNAPL recovery system, OU2 in-situ thermal treatment (steam) and associated groundwater and vapor recovery and treatment, and OU2 in-situ remediation technology (e.g., surfactant flushing or injecting chemical oxidants) under and near the railroad tracks.
- Long term groundwater quality monitoring with a contingency for an additional ZVI injection should the data indicate that further contaminant reduction is necessary.
- Imposition of an institutional control that 1) allows use and development of the site for industrial uses, 2) restricts the use of groundwater at the site, 3) requires any future buildings constructed at the site to have a sub-slab depressurization system, and 4) requires compliance with a Site Management Plan (SMP). The SMP will include provision to evaluate and mitigate potential downgradient structures for soil vapor intrusion, as needed.

The amended remedy was chosen because it will permanently reduce the contamination source area. Remediating the source area also addresses the groundwater contamination, which is the most significant threat to public health and the environment, and it creates the conditions necessary to restore groundwater quality through natural attenuation to the extent practicable. The cost estimate to implement this amended cleanup plan is approximately \$3,410,000.

Next Steps

NYSDEC will consider public comments as it revises the remedy for the site. The amended remedy will be described in a document called an "Amended Record of Decision" that will explain why the amended remedy was selected and respond to public comments. A detailed design of the remedy will then be prepared, and the cleanup will be performed.

The NYSDEC will keep the public informed throughout the cleanup of the site.

Background

Location: The Scobell Chemical – NYSDOT site is located at 1 Rockwood Place in a mixed commercial, industrial, and residential area in the northern section of the Town of Brighton and immediately east of the City of Rochester boundary. The site occupies approximately 2 acres and is positioned along the north-side of New York State Highway 590. The site is approximately 1,000 feet east of the intersection of Rockwood Place and East Avenue.

Site Features: The site contains no structures, is covered with grass and scrub growth, and is surrounded by a chain link fence. A small surface water drainage ditch parallels the New York Central Railroad Line that is present immediately north of the property. The Grass Creek is located north of the site beyond the railroad line.

Current Zoning/Use(s): The site is currently undeveloped and part of the right-of-way bordering the New York State Highway 590 and 490 exchange. The surrounding parcels are currently used for a combination of industrial, commercial, transportation, and utility right-of-ways. The nearest residential area is located along Blossom Road approximately 600 feet north of the site.

Historical Use(s): The site is the location of a former chemical repackaging company that operated at this location from the 1920s until 1986. During this time, assorted chemicals were purchased by the company in bulk and repackaged into smaller containers for resale. The site had one main building, two smaller structures and four above ground storage tanks. The overall amount and type of materials handled is unclear but significant subsurface soil and groundwater contamination has resulted from past operations.

In 1988 as part of a NYSDOT highway reconstruction project all of the former buildings were removed. During this project, the NYSDOT discovered extensive contamination at the site including abandoned drums, contaminated structures, and soil and bedrock contamination. Drums, containing chlorinated solvents, pesticides/herbicides, and toluene, were found in one of the warehouses. In addition, deteriorated containers, discolored soils, and stained asphalt were found across the site. As a result of the contamination, the NYSDOT excavated both soil and bedrock for off-site disposal from half of the property in order to finish the highway interchange reconstruction. The remainder of the site was placed on the NYS Registry of Inactive Hazardous Waste Disposal Sites.

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=828076

In addition, several reports have been completed for the property, including Remedial Investigations, Feasibility Studies, and Records of Decisions for both OU1 and OU2. These documents are included in the document repositories listed below under "Where to Find Information".

State Superfund Program: New York's State Superfund Program (SSF) identifies and characterizes suspected inactive hazardous waste disposal sites. Sites that pose a significant threat to public health and/or the environment go through a process of investigation, evaluation, cleanup and monitoring.

NYSDEC attempts to identify parties responsible for site contamination and require cleanup before committing State funds.

For more information about the SSF, visit: http://www.dec.ny.gov/chemical/8439.html

FOR MORE INFORMATION

Where to Find Information

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

Brighton Memorial Library 2300 Elmwood Avenue Brighton, NY 14618 Mon - Thurs: 10:00 - 9:00 Fri: 10:00 - 6:00 Sat: 10:00 - 4:00 Sun: 1:00 - 4:00 Phone (585) 784-5300 NYSDEC Region 8 Office 6274 East Avon-Lima Road Avon, NY 14414-9516 Contact: Mrs. Linda Vera Phone: (585) 226-5324 (Appointment Requested)

Who to Contact

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

Project Related Questions Jason Pelton Department of Environmental Conservation Division of Environmental Remediation 625 Broadway Albany, NY 12233-7017 518-402-9478 jmpelton@gw.dec.state.ny.us <u>Site-Related Health Questions</u> Melissa Doroski New York State Department of Health Empire State Plaza Corning Tower Room #1787 Albany, NY 12237 (518) 402-7870 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.



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.

