



FACT SHEET

State Superfund Program

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

Site Name: Farmingdale Plaza Cleaners

DEC Site #: 130107 Operable Unit 02 *

Address: 450 Main Street
Farmingdale, NY 11735

Have questions?
See
"Who to Contact"
Below

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

Public Meeting, Tuesday, 3/11/2014 at 7:00 PM

Farmingdale Village Hall, 361 Main Street, Farmingdale, NY

NYSDEC invites you to a public meeting to discuss the remedy proposed 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 proposed by the New York State Department of Environmental Conservation (NYSDEC) related to the Farmingdale Plaza Cleaners site ("site") located at 450 Main Street, Farmingdale, Nassau 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 plan for 30 days, from **February 21, 2014** through **March 24, 2014**. 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.

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

Proposed Remedial Action Plan

The remedy proposed for the site includes:

1. Supplement the existing Liberty Industrial Finishing Site (LIFS) groundwater extraction and treatment system. This will capture tetrachloroethene (PCE) and associated breakdown products at the leading edge of the plume to minimize any further down-gradient migration of the contaminated groundwater.
2. A Site Management Plan required under the Operable Unit 1 Record of Decision will be

*Operable Unit: An administrative term used to identify a portion of a site that can be addressed by a distinct investigation and/or cleanup approach. An operable unit can receive specific investigation, and a particular remedy may be proposed.

expanded to include a monitoring plan for the off-site groundwater and an Operation and Maintenance Plan for the groundwater extraction and treatment component.

Additional Details

A groundwater extraction and treatment system is already operating at and downgradient of the nearby Liberty Industrial Finishing (LIFS) National Priorities List (NPL) site which is overseen by the United States Environmental Protection Agency (USEPA). This system is remediating the western portion of the overlapping LIFS and Farmingdale Plaza Cleaners groundwater contamination plumes. Soil and soil vapor contamination at and immediately adjacent to the Farmingdale Plaza Cleaners site has already been addressed via a soil vapor extraction system implemented by NYSDEC pursuant to the previous Operable Unit 1 Record of Decision. People are not drinking the contaminated groundwater associated with the site because the area is served by a public water supply that obtains groundwater not affected by this contamination.

Summary of the Investigation

Groundwater samples were collected from the shallow Upper Glacial Aquifer and the deeper Magothy Aquifer. The samples were collected to assess groundwater conditions on and off-site. Concentrations of the primary contaminant of concern, tetrachloroethylene (PCE), in the Upper Glacial Aquifer are less than 50 parts per billion (ppb), with most locations showing non-detectable concentrations or below the applicable groundwater quality standards. In the Magothy Aquifer, three locations have PCE concentrations higher than 100 ppb. However, the majority of the other locations, especially in the trailing portion of the plume, show non-detectable or low PCE concentrations. Remedy selection for the groundwater will focus primarily on the Magothy Aquifer.

NYSDEC developed the proposed remedy after reviewing the detailed investigation of the site and evaluating the remedial options in the “feasibility study” submitted under New York’s State Superfund Program.

Next Steps

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

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

Background

Location: The Farmingdale Plaza Cleaners Site is located at 450 Main Street in Farmingdale, Nassau County. The site is in a suburban area and lies at the intersection of Main Street and Fulton Street. This site is upgradient of the Liberty Industrial Finishing Site.

Site Features: The site is a commercial plaza that formerly housed the Farmingdale Plaza Cleaners. The shopping plaza consists of a single building and a paved parking lot, surrounded by apartment buildings and other commercial structures.

Current Zoning/Use(s): The former dry cleaner and adjacent former supermarket are currently vacant. Two businesses in the plaza are occupied. The shopping plaza is zoned for commercial use. The surrounding parcels are zoned residential or commercial.

Historic Use(s): Waldbaum Shopping Plaza was reportedly constructed in 1983, at which time the Farmingdale Plaza Cleaners began operation. Investigations conducted by the USEPA at the adjacent Liberty Industrial Finishing site indicated that there was a significant upgradient source of tetrachloroethene (PCE). Additional investigation by the USEPA around the shopping plaza in 2000 through 2003 identified that the source was associated with the dry cleaner. PCE was detected in a groundwater well immediately south of the former dry cleaner and soil gas survey results from USEPA suggest the probability of a source contributing to the groundwater plume in shallow subsurface soils in the vicinity of the dry cleaner site. As a result of data collected during the USEPA investigation, the site was listed as a Class 2 site on the State's Registry of Inactive Hazardous Waste Disposal Sites in December 2002. The potentially responsible parties (PRPs) failed to sign an Order on Consent and in January 2005, the site was referred to the State Superfund for a Remedial Investigation (RI).

Operable Units: The site is divided into two operable units. An operable unit represents a portion of a remedial program for a site that for technical or administrative reasons can be addressed separately to investigate, eliminate or mitigate a release, threat of a release or exposure pathway resulting from the site contamination. Operable Unit 1 (OU1) consists of contaminated soil and soil vapor and includes the plaza property and portions of adjacent properties. Operable Unit 2 (OU2) addresses on-site and off-site groundwater.

Site Geology and Hydrogeology: The on-site soil consists of mostly sand. The depth of groundwater is about 15 feet below ground surface. The groundwater flow direction is predominantly to the south. A confining layer is encountered at a depth of around 90 feet below ground surface at some locations on-site.

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=130107>

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.

Farmingdale Public Library
Attn: Mr. Stuart Schaeffer
116 Merritts Road
Farmingdale, NY 11735
phone: (516) 249-9090

Who to Contact

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

Project Related Questions

Chek Ng
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7015
518-402-9620
cbng@gw.dec.state.ny.us

Site-Related Health Questions

Ms. Bridget Callaghan.
New York State Department of Health
Bureau of Environmental Exposure Investigation
Empire State Plaza
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

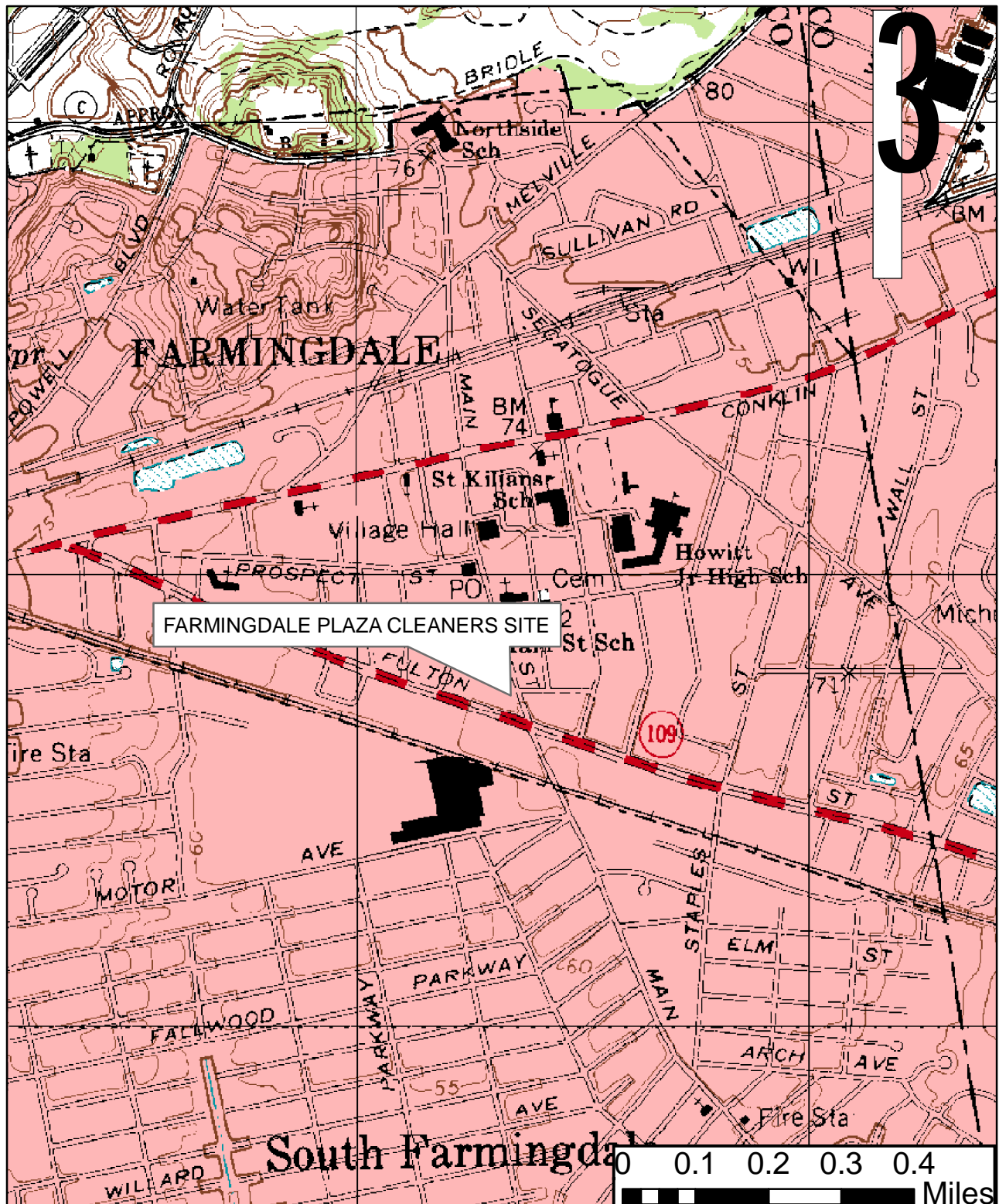
Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page:
<http://www.dec.ny.gov/chemical/61092.html>. It's quick, it's free, and it will help keep you *better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

FIGURE 1 - SITE LOCATION MAP



New York State Department of Environmental Conservation
Site Location Map
Farmingdale Plaza Cleaners, Site No. 1-30-107
Farmingdale, Nassau County, New York