



FACT SHEET

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Site Name: Defense National Stockpile Center Scotia Depot
DEC Site #: 447023
Address: NYS Route 5
Glenville, NY 12302

Have questions?
See
"Who to Contact"
Below

Cleanup Action Completed

Action has been completed to address the contamination related to the Defense National Stockpile Center Scotia Depot site ("site") located at NYS Route 5, Glenville, Schenectady County under a Federal Facilities Site Remediation Agreement. Please see the map for the site location.

The cleanup activities were performed by U.S. General Services Administration with oversight provided by the New York State Department of Environmental Conservation (NYSDEC).

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=447023>

Highlights of the Site Cleanup

1. A Permeable Reactive Barrier (PRB), consisting of 1,150 tons of zero-valent iron (ZVI), was injected across an approximately 900-foot wide contaminated groundwater plume. The wall extends from approximately 65 feet below ground surface (bgs), which is the average depth of the water table, to an approximate depth of 110 feet bgs. As contaminated groundwater passes through the wall, the trichloroethene (TCE) in the groundwater is reduced to harmless byproducts via a chemical reaction.
2. Sub-slab depressurization systems (SSDSs) were installed in four buildings located above the contaminant plume. These systems, which are similar to radon abatement systems, prevent volatile organic compounds emanating from contaminated soil and/or groundwater from entering the structure.
3. Environmental easements were recorded that: (a) require compliance with the approved site management plan, which outlines the long-term operation, monitoring and maintenance of the site engineering and other institutional controls; (b) restrict the use of site groundwater as a source of potable or process water, without necessary water quality treatment as determined by the New York State Department of Health; and (c) require the property owner, or designated representative, to complete and submit to the Department a periodic certification that the institutional and engineering controls are in place and functioning as designed, or recommendations will be made to correct identified deficiencies.

The approved site management plan includes: (a) long-term groundwater quality monitoring to evaluate the effectiveness of the remedy; (b) continued implementation of a vapor intrusion monitoring program, and if necessary, installation of mitigation systems, such as SSDSs, for buildings located above the contaminant plume, and; (c) identification of use restrictions on the site as per the recorded environmental easements.

Background

Location: The Defense National Stockpile Center Scotia Naval Depot site is located within the Glenville Business and Technology Park. The site is adjacent to the north-side of New York State (NYS) Route 5 in the Town of Glenville, Schenectady County. The site is approximately 1.5 miles west of the intersection of NYS Routes 5 and 50 in the Village of Scotia. When originally established in 1942 as a United States Naval facility, the Depot was approximately 337 acres in size, but has since been subdivided. Currently, the Scotia Naval Depot comprises approximately 59.7 acres. The Scotia Naval Depot site is currently owned by the General Services Administration (GSA) and operated by the Defense National Stockpile Center (DNSC).

Site Features: The main site features include five large slab-on-grade warehouse buildings and several smaller administrative buildings that are surrounded by a network of roadways. The remainder of the site is covered with grass, pavement or concrete. The Mohawk River is located approximately 1,500 feet west-southwest of the site.

Current Zoning and Land Use: The site and adjacent properties are zoned for commercial use. The site represents two parcels within an assemblage of contiguous properties within a business/industrial park that were once part of the original Scotia Naval Depot. The surrounding parcels are owned by both governmental and private agencies. The nearest residential area is located along NYS Route 5, approximately 500 feet south of the site.

Past Use of the Site: The Naval Depot was originally established for the purpose of storing strategic materials commonly used in national defense. Over time portions of the original 337-acre site have been sold off. Although TCE was detected in both on-site and off-site groundwater, the installation of the PRB treatment wall will address the TCE-contaminated groundwater.

Site Geology & Hydrogeology: Site geology consists of a thick sequence of stratified sand and gravel that is part of the Great Flats Aquifer system. The sand and gravel is underlain by a dense glacial till deposit. Bedrock beneath the site consists of gray to black shale of the Canajoharie formation. Groundwater beneath the Scotia Naval Depot occurs at a depth of approximately 65 to 70 feet below ground surface and flows from east to west across the majority of the site toward the Mohawk River.

New York State 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, 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.

Scotia Branch Schenectady County Public Library
14 Mohawk Ave.
Scotia, NY 12302
phone: (518) 386-2247

Who to Contact

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

Project Related Questions

Kyle Forster
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7016
518-402-8644
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Site-Related Health Questions

Tony Perretta
New York State Department of Health
Empire State Plaza Corning Tower Room 1787
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BEEI@health.ny.gov

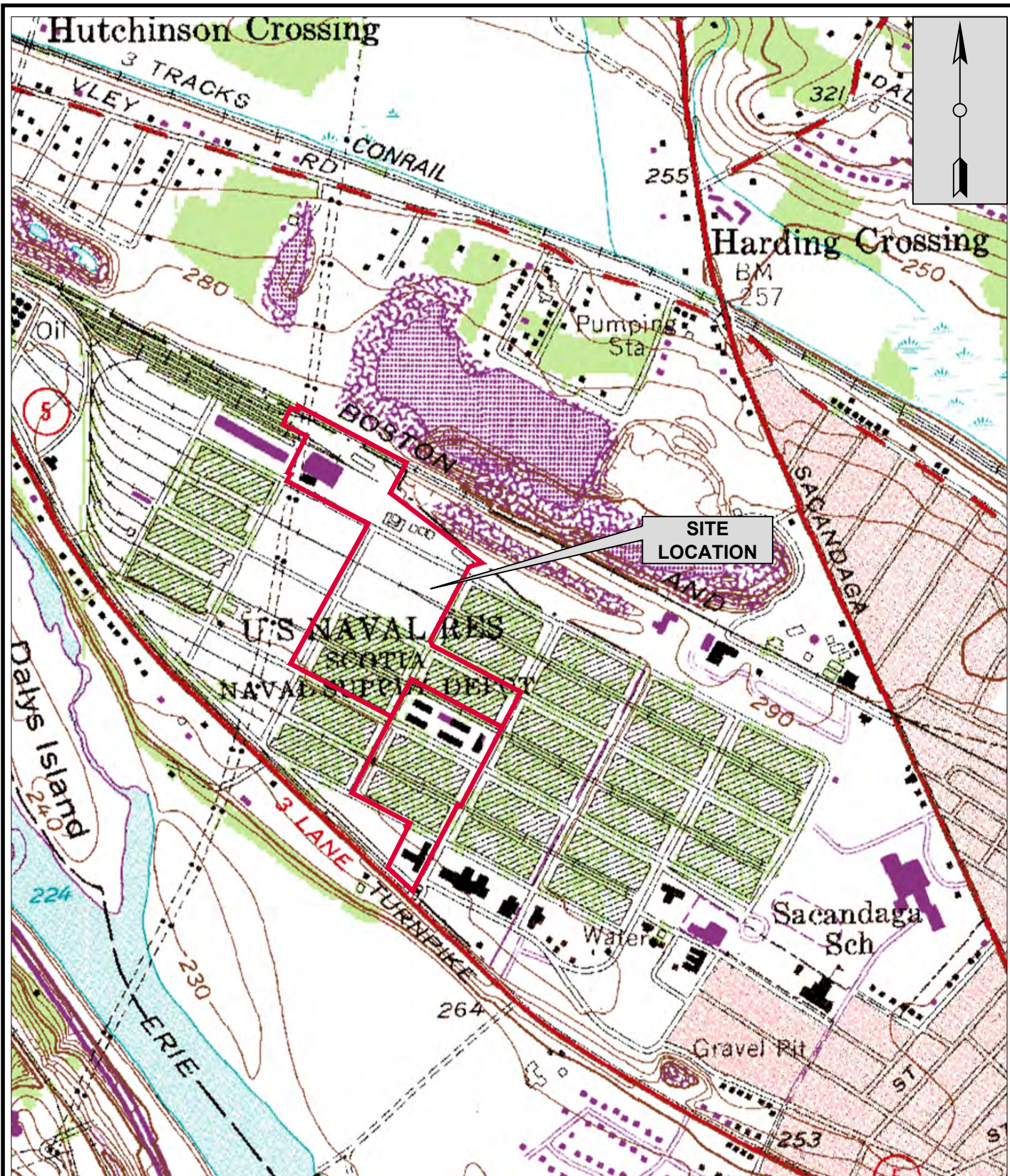
We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.

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.



MAP REFERENCE:
 IMAGE SHOWN FROM U.S.G.S. 7.5 MINUTE
 QUADRANGLE, SCHENECTADY SERIES

