NEW YORK STATE | Department of Environmental Conservation

October 2017

FACT SHEET

State Superfund Program

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

Site Name:	Former Kenco Chemical Corporation
DEC Site #:	447039 Operable Unit (OU) 01 *
Address:	107 Freemans Bridge Road Glenville, New York 14048
Website:	http://www.dec.ny.gov/chemical/37564.html

Have questions? See "Who to Contact" Below

Record of Decision Issued and Interim Remedial Measure Completed at Former Kenco Chemical Corporation State Superfund Site

The NYS Department of Environmental Conservation (DEC) announces the issuance of the Record of Decision (ROD) for Operable Unit (OU) 01, the off-site groundwater plume, at the Former Kenco Chemical Corporation site. The elements of the selected remedy are outlined below. This is the final ROD that will be issued for this site. The DEC also announces completion of an Interim Remedial Measure (IRM) that extended a public water supply line to provide clean, safe drinking water to residents of the Sunnyside Gardens neighborhood in the Town of Glenville. The water line extension work was an element of the OU-1 remedy for this site.

Record of Decision:
Elements of the selected remedy are as follows:

1. A remedial design program will be implemented to provide the details necessary for the construction, operation, optimization, maintenance, and monitoring of the remedial program. Green remediation principles and techniques will be implemented to the extent feasible in the design, implementation, and site management of the remedy.

2. *In-Situ* Chemical Oxidation or Reduction and/or Biological Treatment -
In-situ chemical and/or biological treatment will be implemented to treat contaminants in groundwater and saturated soils off-site, from the source property boundary south-southeasterly for approximately 0.5 miles. A chemical oxidant or a chemical reducing agent, and/or a biological enhancement agent will be injected into the subsurface to destroy the contaminants *via* injection wells. The method and depth of injection will be determined during the remedial design.

3. Permeable Reactive Barriers -
A permeable reactive barrier (PRB) consisting of zero valent iron (ZVI) or another reduced metal will be placed below the water table between Warner Creek and the residential area

along Sunnyside Road. A reactive barrier is a wall created below ground that is filled with a reactive material, such as iron or carbon, which removes contaminants as the water flows through the barrier. A second PRB of similar construction will be placed below the water table upgradient of the self-storage property pond. The exact location of the second PRB will be determined during the remedial design.

4. Institutional Control -
The imposition of an institutional control in the form of an environmental easement for the controlled property (Former Kenco Property) and the off-site remedy area that:

- requires the remedial party or site owner to complete and submit to the Department a periodic certification of institutional and engineering controls in accordance with Part 375-1.8 (h)(3); and
- requires compliance with the Department-approved Site Management Plan. The Site Management Plan will address the necessary work required to implement and maintain the off-site operable unit chosen remedy's effectiveness.

Interim Remedial Measure – Water line Extension:
The DEC has completed the Interim Remedial Measure (IRM) involving the extension of a public water supply line to serve the residents of the Sunnyside Gardens neighborhood in the Town of Glenville and provide them clean, safe drinking water. An IRM is a discrete action that is conducted without an extensive investigation and evaluation to prevent, mitigate or remedy contamination attributable to a site. Please see the attached figure for the location of the Former Kenco Chemical Corporation site and the IRM project area.

The IRM included the installation of and connection to a new water line extension from an existing water main running along Freemans Bridge Road. Work areas included property along Old Sunnyside Road and Sunnyside Gardens (Arbor Lane, Greenway Drive, Havenbrook Drive, Westwood Lane). One hundred homes were connected to public water in the area. This IRM cost approximately $2 million. The work was funded by DEC through the State's Superfund program.

**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.

Background:
Location: The site is located at 107 Freemans Bridge Road, in a primarily commercial area, with adjacent farmland and some residential properties nearby. The site is approximately 0.86 acres in size.

Site features: The main site features include several concrete foundations for former buildings and an underground storage tank. An unnamed creek with associated wetlands exists between the site and railroad tracks. A large warehouse building was demolished and removed from the site in 2016.

Current zoning and land use: The site is a commercially zoned property, with mixed commercial and residential use in the area. The on-site storage/warehouse buildings

were removed in 2015 and 2016, leaving the foundation slabs. The site is locally zoned General Business and the surrounding area is locally zoned General Business and Research/Development/Technology.

Past use of the site: The site was used for chemical distribution and warehousing by Kenco Chemical Company Inc. and Voelker Sales Inc. until approximately 1999. The chemicals handled on-site included swimming pool chemicals and dry cleaner chemicals (tetrachloroethene, a.k.a. perc or PCE). The site was purchased by Ultimate, LLC in 1999, and the property was used for general storage and warehousing until the on-site buildings were demolished in 2015 and 2016. A pre-sale site assessment for a nearby parcel identified contamination adjacent to the Former Kenco parcel, resulting in further investigation of the site.

Operable units: The site was divided into two operable units: OU 01, Off-site contamination; and OU 02, the On-site Source Area.

Site geology and hydrogeology: Soils consist primarily of silt, sands and clayey layers, with two or more sandy zones divided by clays in many areas across the surrounding area. Depth to bedrock is generally 27-40 feet below ground surface ("bgs"). Depth to groundwater ranges from 3-15 feet bgs. The groundwater flows generally south and southeast from the Site, and contamination is further transported by impacted unnamed creeks which connect to Warner Creek.

Additional site details, including environmental and health assessment summaries, are available on DEC's website at:
http://www.dec.ny.gov/cfmx/extapps/derexternal/haz/details.cfm?pageid=3&progno=447039

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. DEC 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/37564.html

Where to Find Information:
Public interest in this project is valued and appreciated. Project documents including the ROD are available at the following location to help the public stay informed. You may also view electronic versions of project documents by visiting this site's website at http://www.dec.ny.gov/chemical/99294.html. Large documents may be abbreviated to meet DEC's file size requirements for posting to the website. Hard copies of full project documents are available at the listed location.

Glenville Public Library Attn: Reference Librarian
20 Glenridge Road, Glenville, New York 12302
phone: 518-386-2243
web: http://www.scpl.org/branch_libraries/index.html

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

Project Water Line Extension Construction Related Questions:

David J. Chiusano
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7017
518-402-9813
david.chiusano@dec.ny.gov

Site-Related Health Questions:
Stephanie Selmer
New York State Department of Health
Corning Tower, Room 1787
Albany, New York 12237
518-402-7860
BEEI@health.ny.gov

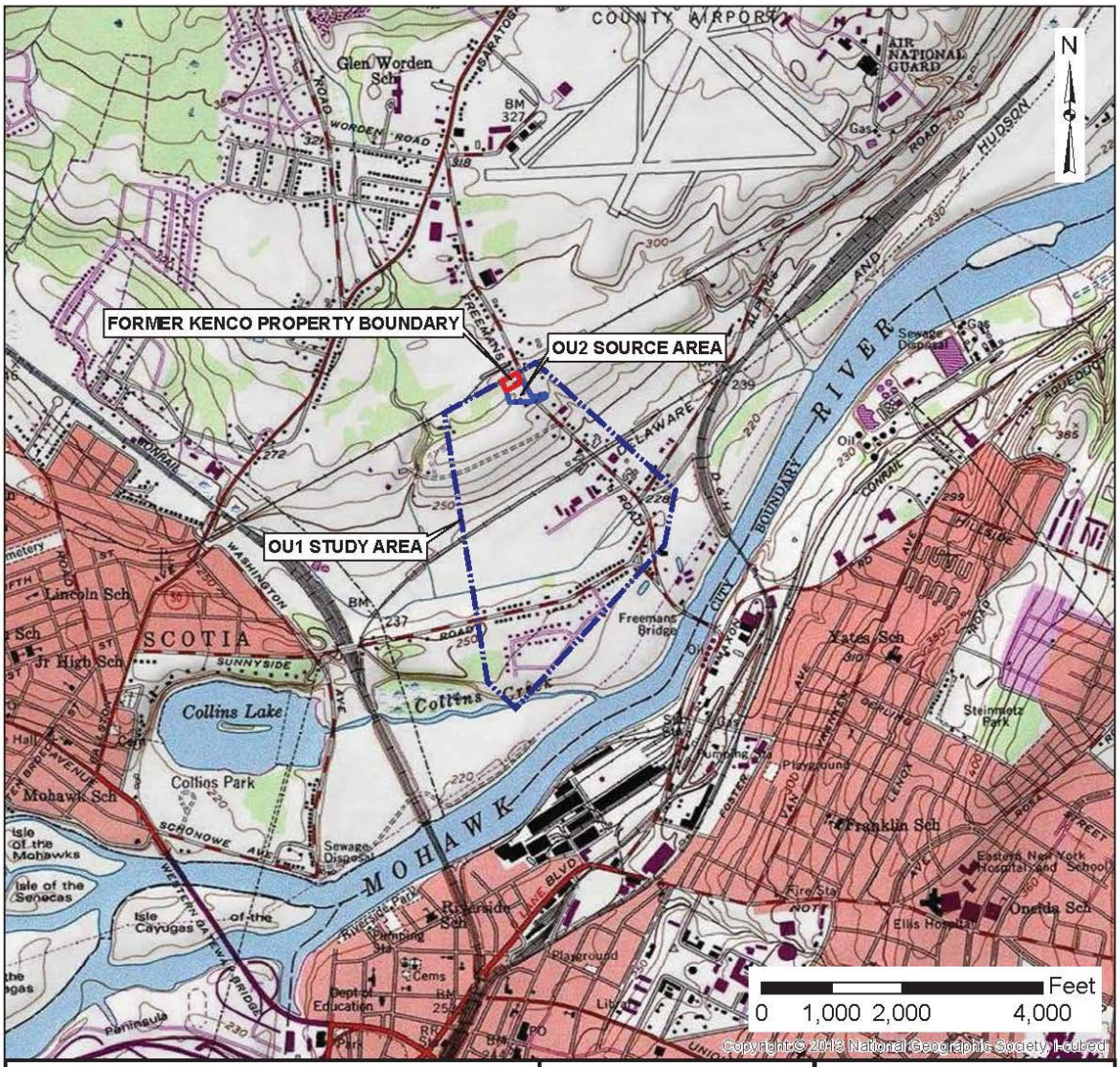
Project ROD Related Questions:
Christopher O'Neill
Department of Environmental Conservation
Division of Environmental Remediation
1130 North Westcott Rd
Schenectady, New York 12306
518-357-2394
christopher.oneill@dec.ny.gov

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. DEC 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.



Source: ArcGIS Topographic Map

AECOM
40 British American Blvd.
Latham, NY 12110
T: (518) 951-2200
F: (518) 951-2300

FIGURE 1

SITE LOCATION MAP

FORMER KENCO CHEMICAL COMPANY
107 FREEMANS BRIDGE ROAD, GLENVILLE, NY

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