



FACT SHEET

Voluntary Cleanup Program

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Site Name: Dennison Monarch Systems Facility
DEC Site #: V00135
Address: 15-21 Ruscitti Road
New Windsor, NY 12550

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Below

Cleanup Action to Begin at Dennison Monarch Systems Facility Voluntary Cleanup Site

Action is about to begin that will address the contamination related to the Dennison Monarch Systems Facility site ("site") located at 15-21 Ruscitti Road, New Windsor, Orange County under New York State's Voluntary Cleanup Program.

The cleanup activities will be performed by the Voluntary Cleanup Program (VCP) volunteer, Avery Dennison Corporation, with oversight provided by the New York State Department of Environmental Conservation (NYSDEC).

The construction is scheduled to begin later this month and be substantially complete by the end of June 2016.

Highlights of the Upcoming Cleanup Activities

The goal of the cleanup action for the site is to achieve cleanup levels that protect public health and the environment. The cleanup action for the site includes:

- Installation of a subsurface sheetpile wall to enclose the source of groundwater contamination. Grout will be placed in the sheetpile joints to reduce groundwater leakage through the wall. Groundwater from within the enclosure will be pumped out and treated to enhance the effectiveness of the containment.
- Placement of a low permeability cap over the containment area to minimize precipitation infiltration into the containment.
- Placement of a deed restriction on the property to restrict its use to commercial and industrial uses consistent with local zoning laws. The use of groundwater will also be restricted. (Note, water is currently supplied to the area via a municipal piping system.)

- Development of a site management plan to address future excavation and long-term monitoring, among other items, following the completion of the remedy.

Background

Location: The Dennison Monarch Systems Site is located at 15-21 Ruscutti Road in the Town of New Windsor near the City of Newburgh. The site is situated along a commercial and industrial corridor in a suburban area. The site is about one mile south of the intersection of State Routes 32 and 17K.

Site Features: The site consists of a 5.8 acre parcel. In 2010 a 97,000 square-foot building positioned in the northwest corner of the parcel was demolished. There are currently no structures on the site. The site slopes gently to the east and southeast.

Current Zoning and Land Use: The site is currently vacant and zoned planned industrial. The surrounding land use currently consists of commercial and industrial uses and includes a rail line, a precast concrete supplier and a construction contractor storage yard. Three former municipal supply wells, which have been out of service for more than 30 years, are located approximately 1,000 feet northeast of the site. The nearest residential area is located about 700 feet to the east.

Past Uses of the Site: The site was developed for manufacturing in 1956. From 1976 through 1981, Monarch Systems produced metal furniture. In 1981, Dennison Manufacturing acquired Monarch Systems and continued similar operations. In 1990 Avery merged with Dennison Manufacturing to become Avery Dennison. In 1991 Avery Dennison ceased all manufacturing operations at this location. The operations of Dennison Monarch Systems and its predecessor, Monarch Systems included cutting, shaping, welding, deburring, degreasing, and painting of metal components. Degreasing was performed using chlorinated solvents in two vapor-phase degreaser pits in the central portion of the plant. A cardboard box manufacturer occupied the site from about 1997 to 2009, and site buildings were removed in 2010.

Studies conducted by Avery Dennison Corporation revealed the presence of 1,1,1 trichloroethane, trichloroethene, and 1,1 dichloroethane in the soil and groundwater at the site. The highest concentrations of these compounds were found under the former building foundation slab. Groundwater contamination was found to extend off-site, but the impact was limited to the undeveloped and commercial areas south of Little Falls Park.

Operable Units: The site is divided into two operable units (OUs). An OU 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 release or exposure pathway resulting from the site contamination.

Operable Unit (OU) Number 01 is the on-site area that is the subject of the remedy detailed in this Fact Sheet. Operable Unit 02 is comprised of the down-gradient and off-site portion of the facility groundwater plume.

Site Geology and Hydrogeology: A shale bedrock underlies the site approximately 40 to 60 feet below ground surface. A glacial till is present above the bedrock at thicknesses up to 20 feet. A sand and glacial outwash generally overlies the till. Additional sands and gravels, both natural and fill, comprise the top of the overburden.

The water table is approximately seven feet below ground. Local groundwater flows from the back (west) of the site in a northeasterly direction toward the Little Falls Ponds approximately 1,000 feet from the site. The Little Falls Ponds property is a former streambed that was modified in the early 20th century by the installation of dams to create three ponds. The outlet stream of these ponds discharges to the Quassaick Creek. The groundwater converges on the Little Falls Ponds property downgradient of the site from separate directions including the site, the residential area to the east, and the industrial area to the west.

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=V00135>

Next Steps

After completion of the cleanup activities, Avery Dennison Corporation will prepare a Construction Completion Report. This document will describe the cleanup activities that were implemented and certify that it was completed in accordance with the NYSDEC-approved remedial design. In addition, the site containment and groundwater extraction system will be monitored and maintained. Operable Unit 02 will be further evaluated to address the off-site groundwater conditions.

Voluntary Cleanup Program: New York's Voluntary Cleanup Program (VCP) was developed to encourage private sector volunteers to investigate and clean up contaminated properties and return these sites to productive use. Once cleaned up, the properties may be redeveloped for commercial, industrial, residential or public use.

For more information about the VCP, visit: <http://www.dec.ny.gov/chemical/8442.html>

FOR MORE INFORMATION

Where to Find Information

Project documents are available at the following locations to help the public stay informed.

Newburgh Free Library
124 Grand St
Newburgh, NY 12550
phone: (845) 563-3600

NYSDEC
Attn: John Spellman
625 Broadway
Albany, NY 12233
phone: (518) 402-9662

NYSDEC
Attn: Sarah Shepard
Region 3 Headquarters
21 South Putt Corners Rd
New Paltz, NY 12561
phone: (845) 256-3154

Who to Contact

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

Project Related Questions

John Spellman
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7014
518-402-9662
john.spellman@dec.ny.gov

Site-Related Health Questions

Anthony Perretta
New York State Department of Health
Bureau of Environmental Exposure Investigation
ESP Corning Tower, Room 1787
Albany, NY 12237
(518) 402-7880
BEEI@health.ny.gov

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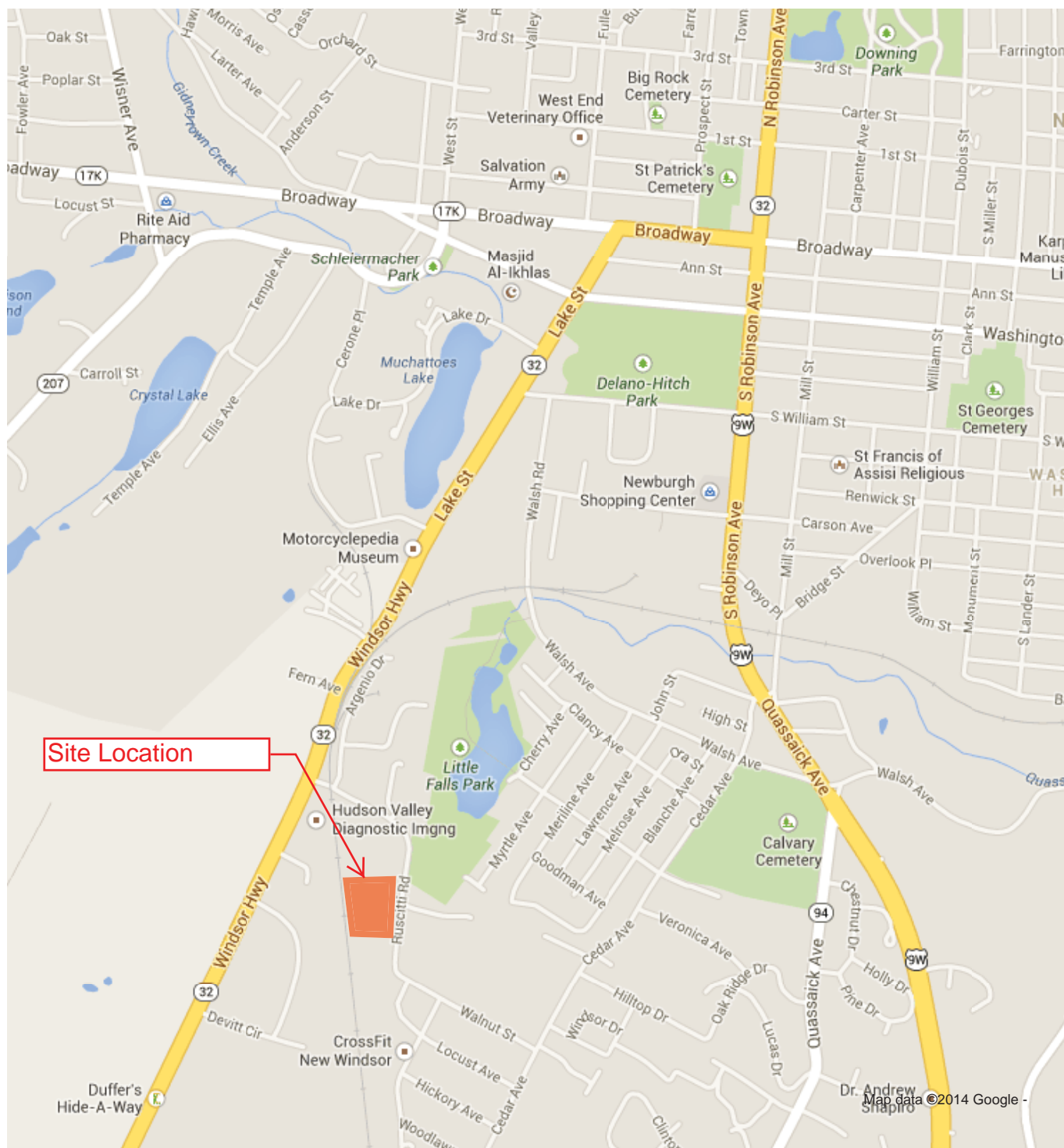


Receive Site Fact Sheets by Email

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.



Dennison Monarch Systems Facility Site

Site Location

Town of New Windsor, New York



Dennison Monarch Systems Facility Site

Proposed Subsurface Sheetpile Wall

New Windsor, New York