



FACT SHEET

State Superfund Program

Sweden-3 Chapman Site

February 2010

Site Number 8-28-040A, Town of Sweden, New York

Cleanup Action Begins at State Superfund Site

Action has begun that is addressing contamination related to the Sweden-3 Chapman State Superfund site ("site") located off Beadle Road in the Town of Sweden, Monroe County under New York's State Superfund Program. See map for site location.

The cleanup action for the state superfund portion of the site includes excavating soils from the site that contain significant levels of contamination and backfilling the excavations with clean soil. The cleanup activities are being performed by the Environmental Services Group from Tonawanda, New York under contract with and inspection by the New York State Department of Environmental Conservation ("NYSDEC").

Highlights of the Upcoming Cleanup Activities

The goals of the cleanup action for the site is to achieve cleanup levels that protect public health and the environment, and eliminating, to the extent practical, exposure to contamination and off-site migration of contamination. The remedy detailed in the March 2004 Record of Decision and modified by the February 2006 and the January 2009 Explanation of Significant Differences ("ESD") includes:

- Excavation and off-site disposal of a small area (approximately 1,200 cubic yards) of contaminated soil and debris to prevent future groundwater contamination ;
- Pumping of the chemical potassium permanganate into the bottom of the excavated area to treat the contaminated groundwater in place. A layer of gravel and a riser pipe will be placed at the bottom of the excavation. The riser pipe will extend from the bottom of the excavation to the ground surface and be used to inject potassium permanganate into the subsurface;

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 the environment go through a process of investigation, evaluation, cleanup and monitoring.

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

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

- Backfilling of the excavation with clean fill and revegetate the disturbed areas;
- Installation of two new "sentinel" wells to monitor off-site groundwater migration and the decommissioning of two existing monitoring wells;
- Replacement of the portion of the landfill cap that is disturbed during excavation activities. The cap will be returned to pre-construction condition; and

- Development of a Site Management Plan that will include the following institutional and engineering controls;
 - a plan for long-term groundwater monitoring;
 - maintenance of the existing landfill cap;
 - a plan to manage any development of the landfill that would result in excavation into the existing cap and/or water; and
 - a prohibition against the use of site groundwater as a source of potable or process water without necessary water quality treatment.

Engineering design of the cleanup remedy was completed by the NYSDEC in August 2009. Bids for the cleanup contract were opened in September 2009. The Environmental Services Group of Tonawanda, New York was awarded the contract and given formal notice to proceed with the project on January 25, 2010. Following mobilization of construction equipment and trailers the excavation activities are expected to be initiated in February 2010.

All construction work will be performed under full-time oversight by EA Engineering P.C., the engineering consultant hired by the NYSDEC. In addition, the contractor's Health and Safety Plan for the work was reviewed to ensure that onsite workers and the nearby community is protected during these activities. A copy of that plan has been placed into the document repositories identified below.

During cleanup activities, all truck traffic to and from the site associated with excavation and off-site disposal activities are being limited to non-residential areas to the extent practical. Furthermore, the contractor is responsible for keeping the transportation route clean of soil and fill materials generated during site cleanup activities.

Next Steps

It is anticipated that construction of the remedy and site restoration will be completed in late spring 2010. The cost of the cleanup is approximately \$700,000. Long term site management by the NYSDEC will continue. After it completes the cleanup activities, the NYSDEC will prepare a Final Engineering Report. The Final Engineering Report will describe the cleanup activities completed and certify that cleanup requirements have been achieved or will be achieved. The NYSDEC will keep the public informed during the cleanup of the site.

Background

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

The approximately 2-acre site was used during the late 1960s and early 1970s for construction and demolition debris disposal. Large amounts of drummed hazardous and industrial wastes were also disposed of there. In 1985, the NYSDEC conducted a preliminary investigation of the site and found numerous drums containing hazardous wastes on the surface and buried within the toe of the former landfill. In 1990, over 2,300 drums of hazardous and industrial waste were removed, while 2,075 tons of impacted soil and debris were stockpiled on-site. In 1992, the NYSDEC conducted a remedial investigation/feasibility study at the site that indicated that the drum disposal at the Sweden-3 Chapman site caused subsurface soil and groundwater contamination. In March 1994, the NYSDEC signed a Record of Decision for the site. The main elements of the selected remedy were excavation and treatment of contaminated soils on-site, collection of groundwater encountered during excavation for on-site treatment and disposal, and construction of a landfill cap. Construction of the Record of Decision remedy was completed in 1999. Long-term maintenance of the landfill cap and groundwater monitoring followed and is still in progress.

Groundwater monitoring since 1999 has determined that the Record of Decision remedy has achieved remedial goals in areas to the north of the landfill, but groundwater standards have not been met in the areas to the northeast of the landfill. As a result, an additional state-funded investigation was conducted in October 2003.

Based on the results of that investigation, high concentrations of volatile organic compound contamination were discovered in soils below the northeastern edge of the landfill cap. As such, an Explanation of Significant Differences (ESD) was issued by the NYSDEC in February of 2006 that outlined a modified remedial action which would obtain the remedial goals originally outlined in the Record of Decision. In general, the remedy identified consisted of excavation and on-site stockpiling of approximately 2800 cubic yards of contaminated soil for on-site treatment along with treatment of the groundwater. The soil stockpile and groundwater would be monitored for five years to verify the effectiveness of this alternative.

From December 2007 thru July 2008, the NYSDEC performed additional site characterization activities to verify the suitability of the February 2006 ESD remedy and provide the details necessary for the design, construction, operation and maintenance, and monitoring of the remedial program. The additional site characterization activities revealed a decrease of approximately 50 percent in the estimated volume of impacted soil requiring remediation. As a result, a new alternative was selected and has been outlined within the January 2009 ESD.

For More Information

Public interest and input in this project is valued and appreciated. Please feel welcome to contact these representatives:

Technical Information:

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Health-Related Information:

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Locations to View Project Documents

To keep you informed, NYSDEC has set up locations at which you may view project documents. They include:

NYS DEC Region 8 Office
6274 East Avon-Lima Road
Avon, NY 14414

Seymour Public Library
116 East Avenue
Brockport, NY 14420
(585) 637-1050
<http://www.seymourlibraryweb.org/>

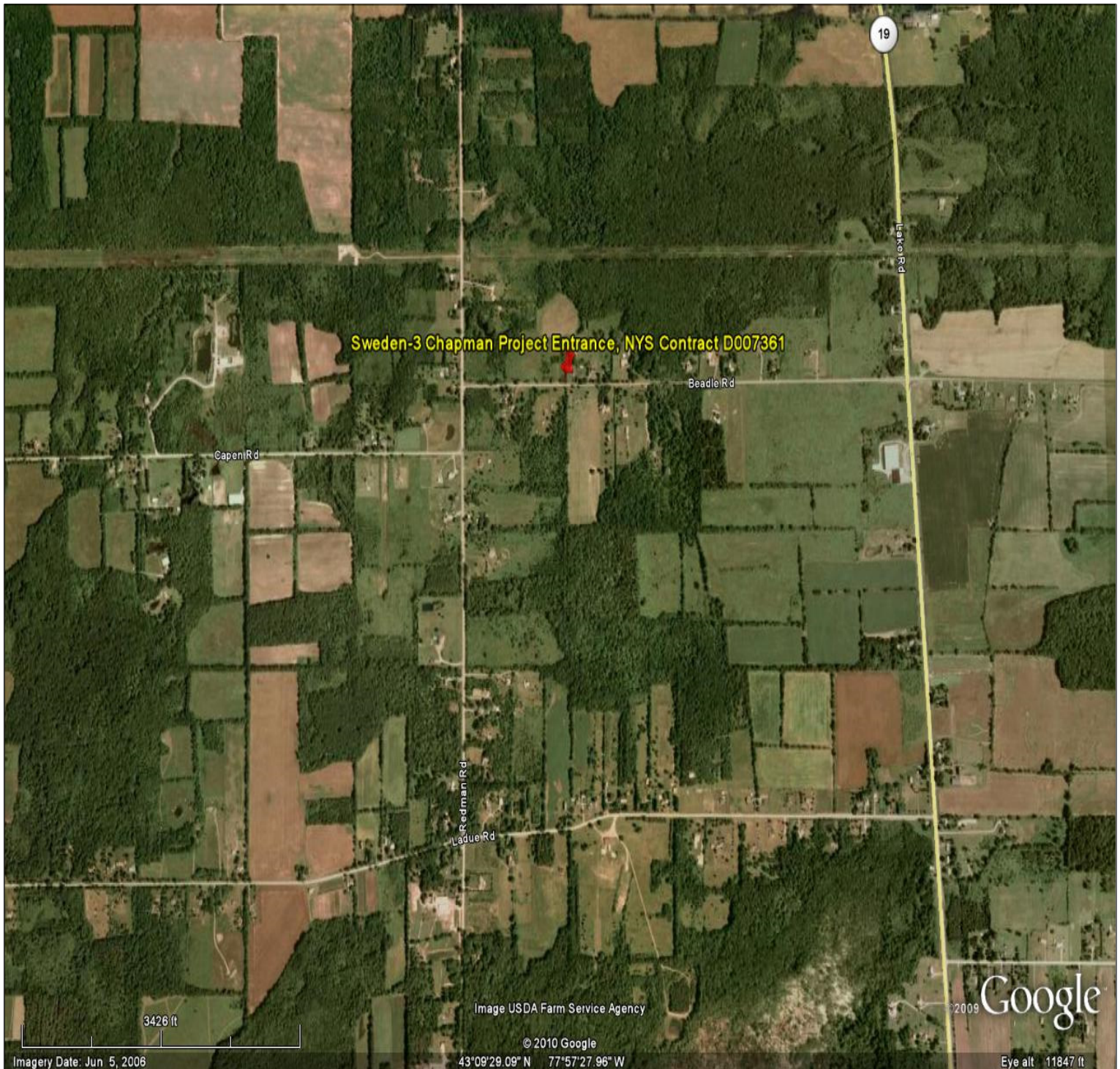
If you know someone who would like to be added to the site contact list, have them contact the NYSDEC project manager above. We encourage you to share this information with neighbors and tenants, and/or post this information in a prominent area of your building for others to see.

You are on a contact list to receive information about the contaminated site identified on the front of this factsheet. Information about sites in the State's remedial programs will now be distributed electronically by email. To continue to receive site information, you **must** sign up at the appropriate DER county email listserv at: www.dec.ny.gov/chemical/61092.html. DER cannot register your email address – only the email address owner can do so. If you have already signed up for the same county identified on this postcard, you need do nothing.

Why You Should “Go Paperless”:

- ☐ You will receive site information faster and share it easily with others;
- ☐ You will receive information about all sites in a chosen county;
- ☐ It helps the environment and stretches taxpayer dollars.

If “paperless” is not an option for you, or if you have questions, write to the Project Manager at the email address or mailing address above. Please include in your correspondence the site name (Sweden-3 Chapman Site, No. 8-28-040A) identified on this factsheet.



**Sweden-3 Chapman Site Location Map
Town of Sweden, Monroe County**