

(Fact Sheet Begins Next)

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If you would like to continue to receive information about the contaminated site featured in this fact sheet:

You must sign up for the DER email listserv:

www.dec.ny.gov/chemical/61092.html

DER cannot register your email address - only the email address owner can do so. If you already have signed up for the listserv for the county in which the site is located, you need do nothing.



Why You Should Go “Paperless”:

Get site information faster and share it easily;

Receive information about all sites in a chosen county - read what you want, delete the rest;

It helps the environment and stretches your tax dollars.

If “paperless” is not an option for you, call or write to the DER project manager identified in this fact sheet. Indicate that you need to receive paper copies of fact sheets through the Postal Service. Include the site name in your correspondence. The option to receive paper is available to individuals only. Groups, organizations, businesses, and government entities are assumed to have email access.

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**FACT SHEET****State Superfund
Program**

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

Site Name: Niagara Sanitation Company
DEC Site #: 932054 Operable Unit 01A
Address: Nash Road
Wheatfield, NY 14240

Have questions?
See
"Who to Contact"
Below

Interim Remedial Measure Proposed; Public Availability Session Announced

The New York State Department of Environmental Conservation (NYSDEC) is proposing an expedited cleanup for a portion of the Niagara Sanitation Company site ("site") located at Nash Road, Wheatfield, Niagara 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." NYSDEC is conducting a public availability session in an effort to answer any questions the public may have on this proposed remedial work.

How to Participate

NYSDEC is conducting an availability session on **September 29, 2014 from 4:00 PM to 8:00 PM at the Town of Wheatfield Community Center at 2790 Church Road**. The purpose of the session will be to allow the public the opportunity to meet with local elected officials, staff from DEC and DOH to ask any questions they have about the project on a one to one basis. The proposed plan is also available for review at the location(s) identified below under "Where to Find Information."

Interim Remedial Measure (IRM) Work Plan

An IRM is a cleanup activity that may be performed when a source of contamination or exposure pathway (the way in which a person may contact contamination) can be effectively addressed without further investigation and evaluation and in an expedited manner. This work will be conducted by Glenn Springs Holdings Inc. an affiliate of Occidental Chemical Corporation. It is expected that the remedial work will take approximately 6 weeks to complete.

The IRM work plan describes the proposed cleanup activities that include:

- **Clearing and Grubbing**

The Site is relatively overgrown with trees and vegetation and will require clearing and grubbing in those areas associated with access road and the area to be excavated. Mulched vegetation will be placed as biomass and spread across available areas outside the operations and access road areas.

- **Fencing**

An 8-foot high temporary chain link fence will be installed along the perimeter of the entire Work Area as a means of Site control, public safety, and to discourage trespassers. Signs will be placed on the temporary chain link fence along Nash Road, and along any fence line in areas where trespassers can enter the site.

- **Access Roads**

Access roads and the operations area will be constructed as required during excavation activities to allow for vehicle access into the Site and to the support and material loading areas.

- **Installation of Sheet Pile Cutoff Walls**

Prior to initiation of subsequent IRM tasks (dewatering of excavation area, excavation of waste, etc.), the excavation area will be isolated with the installation of sheet pile cutoff walls. The purpose of the sheet pile cutoff walls is to encompass the excavation area to prevent groundwater infiltration and allow for dewatering of the excavation area without further intrusion of groundwater or surface waters.

- **Dewatering of Excavation Area**

The area within the Sheet piling will be dewatered to ensure that soils and waste material to be excavated are as dry as possible before loading into containers or onto transport trucks. Groundwater will be pumped directly to on-Site temporary fractionation (frac) tanks for temporary storage prior to off-site treatment and disposal.

- **Excavation of Wastes**

The excavation will be conducted within the area of the sheet pile based on the suspected location of waste material determined by historic investigation activities on the Site. The estimated dimensions of the excavation area are 120 feet by 90 feet. Excavated material will either be directly loaded into transport containers or managed within the site for dewatering or until transport containers are available. Containers will be lined as appropriate and covered as appropriate before leaving Site for disposal. The excavation will continue until all visually contaminated soils have been removed. Once visually contaminated soils have been removed, both confirmatory field and laboratory soil samples will be collected from the side walls and bottom of the excavation in accordance with DEC requirements to confirm that clean-up goals have been met.

- **Waste Transportation and Disposal**

All soil waste material and personal protective equipment (PPE) will be managed as hazardous waste. All general Site refuse and miscellaneous debris will be managed as general Site waste. The access road exits to the west of the Site onto Nash Road. As Nash Road is not a truck route, all truck traffic will have to turn north onto Nash Road and travel along Niagara Falls Boulevard and then to the appropriate disposal facility. Decontamination will be required for all vehicles and equipment leaving the site.

- **Wastewater Removal and Disposal**

All wastewaters (collected groundwater, storm water, and decontamination waters) will be temporarily stored in frac tanks onsite. The stored wastewaters will be transferred to tankers and transported off site to an approved treatment and disposal facility for final disposal.

- **Dust and Odor Control**

Although it not anticipated, dust control measures will be implemented by the Contractor as required to prevent the generation of dust during excavation and handling operations. An odor suppression product such as foam will be provided by the Contractor and made available on the Site to be used on open excavation and waste soil stockpile areas as necessary. Air monitoring will be conducted in the work areas and along all the boundaries to the site in accordance with the NYSDOH approved Community Air Monitoring Plan

- **Backfilling of Excavated Area**

The excavations will be backfilled at the completion of the excavation activities with DEC approved fill.

Summary of the Investigation

In 2013, NYSDEC conducted a follow-up Site Characterization Study to determine if the site posed a significant threat to either public health and/or the environment and to confirm the extent of the Love Canal site wastes reportedly disposed of at the site. The results of this investigation clearly identified the disposal location of the Canal waste materials. The study showed elevated levels of: 4,4'-DDD, 4-4'-DDT, Aldrin, alpha BHC, beta-BHC, gamma-BHC (Lindane), Toluene, Cyclohexane, Dichlorobenzene, Chlorobenzene, and Benzene. While these contaminants were detected in subsurface soils within the Site's Love Canal waste disposal area, there was little impact of these wastes detected beyond that area

with the exception of trace levels of BHCs in surface water that is ponding ovetop of the wastes. There was no groundwater contamination noted beyond the property boundaries.

Project Background

Location: The Niagara Sanitation Company Site, also known as the Nash Road Landfill is an inactive landfill located directly north of City of North Tonawanda, adjacent to Nash Road, in the Town of Wheatfield, Niagara County, New York.

Site Features: The site is mostly surrounded by suburban residential development. The site was a swampy area before landfill activities occurred. Since landfilling, portions of the property are covered with surface water at certain times of the year, particularly in the spring. The site is bordered to the north by Holy Infant Church, to the east by a cemetery, to the south by a right of way and a residential area, and to the west by Nash Road and houses. Landfilling of wastes and excavation of a disposal trench has resulted in irregular ground surface topography. Relief on-site is less than 10 feet.

Current Zoning/Use(s): The site is zoned R-1 (Residential). To the west of the site it is also zoned R-1, while north and east of the site it is zoned C-1 (Commercial). The southern border of the site follows the boundary of the City of North Tonawanda and is zoned residential. Access to the site is not restricted. The entire site is overgrown with mature trees and brush. The current owner of the site is the Town of Wheatfield.

Past Use(s): The Niagara Sanitation Company Site was operated as a landfill by Niagara Sanitation Company between 1964 and 1968. Both municipal and industrial solid wastes, including caustic materials and sludges, are disposed at the site. Records show that the site was used for disposal by the Niagara Falls Air Force Base, Bell Aerospace, Carborundum, Frontier Chemical, Graphite Specialties, Continental Can, and Grief Brothers. Records also indicate that approximately 1600 cubic yards of Love Canal waste was disposed in a trench at this site by the NYSDOT between June 6, 1968 and July 15, 1968 during construction of the LaSalle Expressway. The disposal trench was reportedly 100 feet by 30 feet by 27 feet deep and is believed to be located partially beneath ponded areas on the site. The debris was placed in the bottom 15 feet of the trench and 12 feet of clean fill was placed on top as a cover.

NYSDEC conducted two Phase II studies at the site in 1985 and 1989. The results of these investigations confirmed the location of the Love Canal wastes. They also documented that the wastes did not pose a significant threat and the site remained as a Class 3 designation. In 2013, NYSDEC conducted a follow-up Site Characterization Study to reconfirm that the site did not poses a significant threat to either public health and/or the environment and to confirm and delineate the extent of the Love Canal wastes reportedly disposed of at the site. A report on the finding was completed in late 2013 confirming the findings of the two previous studies and defining the location of the Love Canal waste disposal area. The study also determined that further investigation was warranted in the west end of the Landfill. In 2014 NYSDEC conducted the recommended follow-up investigation and characterized the municipal and industrial fill in the remainder of the landfill. While the majority of the site contained contaminant levels typical of urban wastes, three areas were identified with elevated levels of lead and PCBs. No off-site migration of contamination was noted in either study.

Site Geology and Hydrogeology: The site geology consists of fill or topsoil mixed with soil at the surface; glacial/lacustrine deposits which include an upper sand lens; brown/gray silty clay gray/red clay; and a lower sand lens; glacial till and then Dolostone bedrock. Bedrock beneath the site is occurring at depths varying from 65 feet to 71 feet below the ground surface. Sawyer Creek, which flows within 1000 feet of the northeast corner of the site flows into Bull Creek about 1.1 miles southeast of the site, which subsequently flows into Tonawanda Creek then into the Niagara River. The aquifer of concern occurs within the layers of sand interbedded with the clay soil approximately 60 feet beneath the site. The depth

to water above the lower clay unit at the site is between 3 and 20 feet below the ground surface. Shallow groundwater most likely moves northeastward toward Sawyer Creek.

Next Steps

NYSDEC will approve the implementation of the IRM work plan. A copy of this work plan is available to the public (see “Where to Find Information” below). The remedial activities as detailed in the work plan will be implemented starting on October 2014. Upon completion of the work, a Construction Completion Report will be prepared that documents the activities that were performed. This report will also be made available to the public for review.

Upon the successful completion of the remedial work outlined above, the Department will pursue additional responsible parties to conduct additional investigations and clean-up, as needed, of the remaining portions of this former landfill site. Future remedial activities may be required as a result of these additional investigations.

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

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's website at:

<http://www.dec.ny.gov/cfm/xtapps/derexternal/haz/details.cfm?pageid=3&progno=932054>

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.

NYS DEC Region 9 Office 270 Michigan Avenue Buffalo, New York 14203 716-851-7220 (Call for appointment)	Town of Wheatfield Town Hall Town Clerk's Office 2800 Church Road Wheatfield, NY 14120-1099 716-694-6440	North Tonawanda Public Library 505 Meadow Drive North Tonawanda, NY 14120 (716) 693-4132
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Project documents are also available on the NYSDEC website at:

<http://www.dec.ny.gov/chemical/37554.html>

Who to Contact

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

Project Related Questions

Greg Sutton
Department of Environmental Conservation
Division of Environmental Remediation
270 Michigan Ave
Buffalo, NY 14203-2915
716-851-7220
gpsutton@dec.ny.gov

Site-Related Health Questions

Matthew Forcucci
New York State Department of Health
584 Delaware Avenue
Buffalo, New York 14202
716-847-4501
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.

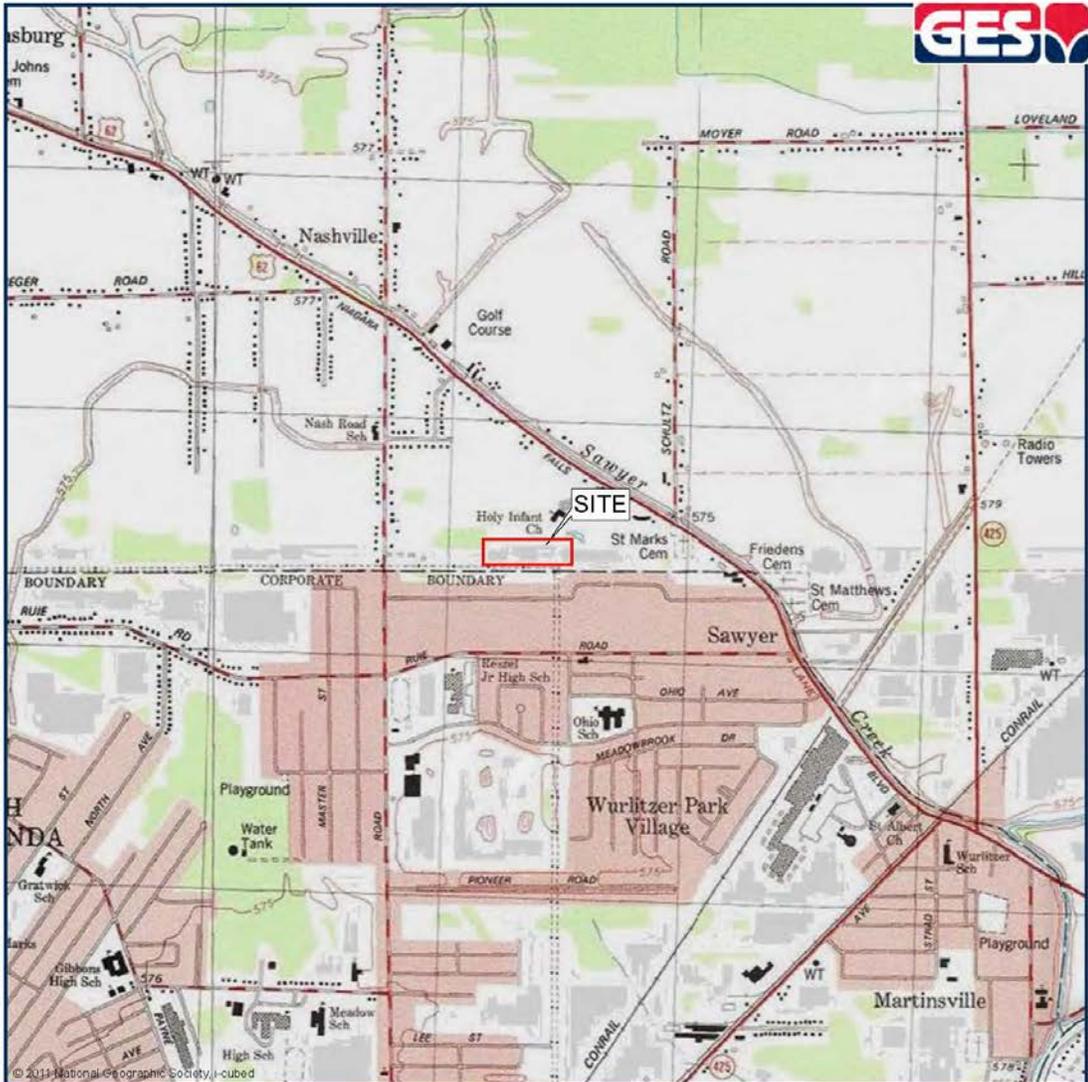
Receive Site Fact Sheets by Email

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.

Note: Please disregard if you already have signed up and received this fact sheet electronically.



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Sources:
USGS 7.5 Minute Series Topographic Quadrangles
Tonawanda East and Tonawanda West



DRAFTED BY: RAB	SITE LOCATION MAP	
CHECKED BY:		
REVIEWED BY: EDP	NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION NASH ROAD LANDFILL WHEATFIELD, NEW YORK	
NORTH	Groundwater & Environmental Services, Inc. 495 AERO DRIVE, SUITE 3, CHEEKTOWAGA, NY 14225	
	SCALE IN FEET	DATE
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