



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF ENVIRONMENTAL REMEDIATION  
**Site Classification Report**



DATE: 12/21/2015

<b>Site Code:</b> 932054	<b>Site Name:</b> Niagara Sanitation Company
<b>City:</b> Wheatfield	<b>Town:</b> Wheatfield
<b>Region:</b> 9	<b>County:</b> Niagara
<b>Current Classification:</b> 03	<b>Proposed Classification:</b> 02
<b>Estimated Size (acres):</b> 18.70	<b>Disposal Area:</b> Landfill
<b>Significant Threat:</b> -	<b>Site Type:</b>
<b>Priority ranking Score:</b>	<b>Project Manager:</b> Glenn May

**Summary of Approvals**

<b>Originator/Supervisor:</b> Greg Sutton	<b>10/30/2015</b>
<b>RHWRE:</b> Gregory Sutton / Martin Doster:	<b>10/30/2015</b>
<b>BEEI of NYSDOH:</b>	<b>11/19/2015</b>
<b>CO Bureau Director:</b> Michael Cruden, Director, Region 9:	<b>11/19/2015</b>
<b>Assistant Division Director:</b> Michael J. Ryan, P.E.:	<b>11/20/2015</b>

**Basis for Classification Change**

Some fill material at the site is hazardous for lead (D008) and PCBs (concentrations above 50 ppm). Based upon the size of the site, it is likely that a consequential amount of hazardous waste is present. Fill material also contains PAHs, pesticides (dieldrin) and metals (arsenic, barium, cadmium, chromium, lead, silver and mercury) at concentrations that exceeded the NYSDEC Part 375 residential use soil cleanup objectives.

PAHs and metals (cadmium, chromium and mercury) were detected in surface soil at concentrations that exceeded the NYSDEC Part 375 residential use soil cleanup objectives. Contaminated surface soil and fill may present an exposure potential for those using the site for recreational activities through direct contact and/or by inhalation of contaminated dust (i.e., dirt bike trails were observed throughout the site so contaminated surface soil is exposed). Access to the site is not restricted.

Groundwater at the site is contaminated with VOCs (chlorobenzenes and petroleum compounds), SVOCs (phenolic compounds), pesticides (aldrin, BHC, chlordane, dieldrin, endrin and lindane) and metals (barium and lead) at concentrations that exceed NYSDEC groundwater standards.

Sediment is moderately contaminated (Class B) with metals (cadmium, lead and mercury), while surface water is contaminated with SVOCs (phenolic compounds) and pesticides (BHC, dieldrin and chlordane) at concentrations that exceed NYSDEC surface water standards.



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
**Site Classification Report**



DATE: 12/21/2015

**Site Code:** 932054

**Site Name:** Niagara Sanitation Company

---

**Site Description - Last Review: 10/16/2015**

**Location:**

The Niagara Sanitation Company Site, also known as the Nash Road Landfill, is an inactive landfill located in the Town of Wheatfield, Niagara County. The site is bordered to the north by a church and vacant land; to the east by commercial property, vacant land and Niagara Falls Boulevard; to the south by a Niagara Mohawk right-of-way and a residential neighborhood; and to the west by vacant land, residential properties and Nash Road. The southern border of the site follows the City of North Tonawanda corporate boundary.

**Site Features:**

The site consists of approximately 18.7 acres of a single 20.8 acre parcel on Nash Road. The property is vacant, and is overgrown with mature trees and brush. Portions of the property are covered with surface water at certain times of the year, particularly in the spring. Historic landfilling activities have resulted in irregular ground surface topography, with relief generally less than 10 feet. Access to the site is not restricted, and the property is used as a jogging area, dirt bike track, and general play area.

**Current Zoning and Land Use:**

The New York State property class code for this site is 852 - Landfills and Dumps. Surrounding land use includes residential properties to the south and west, and commercial properties to the north and east.

**Past Use:**

The site was operated as a landfill by the Niagara Sanitation Company between 1964 and 1968. The landfill accepted both municipal and industrial solid wastes, including caustic materials, plating tank sludge and municipal wastes. The site received wastes from 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 dumped in a trench at this site between June 6 and July 15, 1968. This waste was generated during construction of the LaSalle Expressway in Niagara Falls. The disposal trench reportedly measured 100 feet by 30 feet, and was 27 feet in depth. The debris was placed in the bottom 15 feet of the trench and covered with 12 feet of clean fill. This waste was excavated from the site during the Fall/Winter of 2014, and the Winter/Spring of 2015 by Glenn Springs Holdings, an affiliate of the Occidental Chemical Corporation.

**Remedial History:**

The NYSDEC completed a Phase I Investigation of the site in 1983, a Phase II Investigation in 1985, and an expanded Phase II Investigation in 1989. These investigations confirmed the location of the Love Canal wastes, but also determined that the site did not pose a significant threat to public health or the environment. As a result, the site remained as a Class 3 designation in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry).

In 2013, the NYSDEC conducted a follow-up Site Characterization Study to re-evaluate the Class 3



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
**Site Classification Report**



DATE: 12/21/2015

**Site Code:** 932054

**Site Name:** Niagara Sanitation Company

designation for the site, to confirm the location of the Love Canal wastes, and to delineate the extent of those wastes. This investigation confirmed the findings of the previous studies, and refined the location of the Love Canal waste disposal area. The investigation also determined that further investigation was warranted at other areas of the Landfill.

In 2014, the NYSDEC conducted a follow-up investigation to characterize the municipal and industrial fill in the remainder of the landfill. While the majority of the site contained contaminant concentrations typical of urban wastes, three areas were identified with hazardous concentrations of lead and PCBs. No off-site contamination was documented in either study.

**Site Geology and Hydrogeology:**

The native soils underling the site consist of an upper gray sand lens that ranges in thickness from 0 to 8 feet. This deposit is thickest in the southwest portion of the site and is absent to the northeast.

Underlying the upper sand deposit is a thin, gray-brown silty clay that ranges in thickness from 3 to 7 feet. This unit overlies a thick (17 to 32 feet), red-gray layered clay that contains thin sand seams.

Underlying the thick clay deposit is a lower sand lens that ranges in thickness from 3 to 6 feet. This unit is thickest in the northern portion of the site, and thins to the south, east and west.

A pink, very dense till unit directly overlies dolostone bedrock, and ranges in thickness from 22 to 42 feet. Depth to bedrock ranges from 65 feet to 71 feet below ground surface.

Monitoring wells installed at the site screen six different overburden zones including the fill. Groundwater elevations in the fill range from 3.20 to 8.70 feet below the well casings, while groundwater elevations in the upper sand lens range from 2.80 to 6.03 feet. Groundwater elevations in the gray-brown silty clay are also shallow, ranging from 2.05 to 5.30 feet. Wells that screen the thick layered clay deposit have groundwater elevations ranging from 3.49 to 11.80 feet.

Deeper groundwater elevations were observed for the lower sand lens and till deposit, with elevations ranging from 11.30 to 16.90 feet for the lower sand lens, and 14.10 to 17.70 feet for the till deposit.

Groundwater flow in the fill and upper sand lens is to the north, while groundwater flow in the lower sand lens is to the northeast. The water table of the till deposit is essentially flat.

Groundwater flow directions have not been determined for the other overburden deposits.

---

**Contaminants of Concern (Including Materials Disposed)**

**Quantity Disposed**

**OU 01**

CAUSTICS 0.00

PLATING TANK SLUDGE 0.00

MUNICIPAL WASTE 0.00

polycyclic aromatic hydrocarbons (PAHS), total

cadmium

chromium

mercury

arsenic



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
**Site Classification Report**



DATE: 12/21/2015

**Site Code:** 932054

**Site Name:** Niagara Sanitation Company

barium  
lead  
silver  
dieldrin  
aldrin  
hexachlorocyclohexane (all isomers)  
endrin  
lindane  
chlordane  
phenol  
chlorobenzene  
petroleum products

---

**Analytical Data Available for :** Groundwater, Surface Water, Soil, Sediment

**Applicable Standards Exceeded for:** Groundwater, Surface Water, Soil, Sediment

---

**Site Environmental Assessment- Last Review: 10/16/2015**

Nature and Extent of Contamination:

Fill Material: Some fill material at the site is hazardous for lead (D008) and PCBs (concentrations above 50 ppm). Fill material also contains PAHs, pesticides (dieldrin) and metals (arsenic, barium, cadmium, chromium, lead, silver and mercury) at concentrations that exceeded the NYSDEC Part 375 residential use soil cleanup objectives.

Surface Soil: PAHs and metals (cadmium, chromium and mercury) were detected in surface soil at concentrations that exceeded the NYSDEC Part 375 residential use soil cleanup objectives.

Groundwater: 21 groundwater monitoring wells (9 deep zone wells and 12 shallow zone wells) have been installed across the site. The deep zone wells were not sampled during the 2013 and 2014 NYSDEC investigations, so current groundwater conditions in that zone are unknown.

Shallow zone groundwater is contaminated with volatile organic compounds (chlorobenzenes and petroleum compounds), semivolatile organic compounds (phenolic compounds), pesticides (aldrin, BHC, chlordane, dieldrin, endrin and lindane) and metals (barium and lead) at concentrations that exceeded NYSDEC groundwater standards.

Sediment: Only 1 sediment sample was collected during the 2013 and 2014 NYSDEC investigations. This sample was located in the northeast portion of the site, and is moderately contaminated with metals (cadmium, lead and mercury).

Surface Water: Seven surface water samples were collected from on-site ponds during the 2013 NYSDEC investigation. These samples were contaminated with semivolatile organic compounds (phenolic compounds) and pesticides (BHC, dieldrin and chlordane) at concentrations that exceeded NYSDEC surface water standards. The sample collected from an off-site ditch showed no compounds present above surface water standards.

Summary:



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
**Site Classification Report**



DATE: 12/21/2015

**Site Code:** 932054

**Site Name:** Niagara Sanitation Company

The 2013 and 2014 NYSDEC investigations of the site have documented soil and groundwater contamination by various contaminants typical of municipal and industrial wastes. Additional investigation is required to determine if contaminated groundwater is migrating off-site.

**Site Health Assessment - Last Update: 10/07/2015**

The site is not fenced and persons who enter the site could contact contaminants in the soil by walking on the soil, digging or otherwise disturbing the soil. People could contact landfill contents by digging into the landfill. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. People may come in contact with contaminants present in wetland sediments.

	Start		End	
<b>OU 01</b>				
OGC Docket - SSF Order or Referral	3/31/15	ACT	1/31/16	PLN
Reclass Pkg.	10/6/15	ACT	12/31/15	PLN
Site Characterization	3/1/87	ACT	10/1/89	ACT
Site Characterization	3/26/13	ACT	11/12/13	ACT
Site Characterization	3/19/14	ACT	7/7/14	ACT
<b>OU 01A</b>				
OGC Docket - SSF Order or Referral	5/1/14	ACT	11/3/14	ACT
Remedial Action	10/22/14	ACT	1/31/16	PLN
Remedial Design	8/5/14	ACT	8/11/14	ACT

**Remedy Description and Cost**

**Remedy Description for Operable Unit 01**

The landfill ceased operation in 1968; however, final closure was never properly achieved.

**Total Cost**



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
**Site Classification Report**



DATE: 12/21/2015

**Site Code:** 932054

**Site Name:** Niagara Sanitation Company

---

**Remedy Description for Operable Unit 01A**

An Interim Remedial Measure (IRM) was completed during the Fall/Winter of 2014 and the Winter/Spring of 2015 by Glenn Springs Holdings, an affiliate of the Occidental Chemical Corporation. This IRM was focused in the area where the Love Canal wastes were disposed. Elements of the IRM included the following:

1. Clearing and Grubbing: Limited clearing and grubbing of vegetation was completed in the area of the access road and is the area where excavation was completed.
2. Fencing: An 8-foot high temporary chain link fence was installed along the perimeter of the work area to provide public safety by discouraging trespassing.
3. Monitoring Well Decommissioning: Groundwater monitoring wells located within the operations and excavation areas were either decommissioned in accordance with NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy (November 2009) or removed during excavation.
4. Access Road Construction: An access road was constructed from Nash Road into the site to provide vehicle access to the excavation area.
5. Sheet Pile Cutoff Wall Installation: Prior to the start of excavation activities, a sheet pile cutoff wall was installed around the excavation area to facilitate dewatering of the excavation and to prevent further infiltration of groundwater into the excavation. The excavation area was approximately 120 feet by 90 feet. The sheet pile cutoff wall was removed at the end of the project.
6. Temporary Building Construction: A temporary metal building was constructed over the excavation area to control odors generated during excavation activities. This building was removed at the end of the project.
7. Dewatering of the Excavation: The area within the sheet pile cutoff wall was dewatered by pumping groundwater directly to on-site fractionation tanks for temporary storage prior to off-site treatment and disposal.
8. Excavation of Wastes: Contaminated soil and fill was excavated from within the sheet pile cutoff wall to a depth of 27 feet, and either loaded directly into transport containers, or managed within the site until transport containers were available. Containers were lined and covered before leaving the site.
9. Waste Disposal: All excavated materials were transported off-site for disposal.
10. Confirmatory Sampling: Once visually contaminated soil and fill were removed from the excavation area, confirmatory samples were collected to verify that the clean-up goals had been achieved.
11. Backfilling of the Excavated Area: The excavation was backfilled to grade with NYSDEC approved clean fill.

**Total Cost**

---

**OU**

**Site Management Plan Approval:**

**Status:**



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
 DIVISION OF ENVIRONMENTAL REMEDIATION  
**Site Classification Report**



DATE: 12/21/2015

**Site Code:** 932054

**Site Name:** Niagara Sanitation Company

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
**Site Management Form**  
 12/21/2015

**SITE DESCRIPTION**

**SITE NO.** 932054

**SITE NAME** Niagara Sanitation Company

**SITE ADDRESS:** Nash Road      **ZIP CODE:** 14120

**CITY/TOWN:** Wheatfield

**COUNTY:** Niagara

**ALLOWABLE USE:**

---

**SITE MANAGEMENT DESCRIPTION**

**SITE MANAGEMENT PLAN INCLUDES:**

IC/EC Certification Plan	NO
Monitoring Plan	NO
Operation and Maintenance (O&M) Plan	NO
Periodic Review Frequency:	NO
Periodic Review Report Submittal Date:	



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
**Site Classification Report**



DATE: 12/21/2015

**Site Code:** 932054

**Site Name:** Niagara Sanitation Company

**Description of Institutional Control**

0

Not Applicable/No IC's

**Description of Engineering Control**

Not Applicable/No EC's





## PUBLIC NOTICE

## State Superfund Program

Receive Site Information by Email. See next page to Learn How.

**Site Name:** Niagara Sanitation Company  
**Site No.:** 932054      **Tax Map No.:** 163.00-3-19  
**Site Location:** Nash Road, Town of Wheatfield, 14120

**December 21, 2015**

### Inactive Hazardous Waste Disposal Site Classification Notice

The Inactive Hazardous Waste Disposal Site Program (the State Superfund Program) is the State's program for identifying, investigating, and cleaning up sites where the disposal of hazardous waste may present a threat to public health and/or the environment. The New York State Department of Environmental Conservation (DEC) maintains a list of these sites in the Registry of Inactive Hazardous Waste Disposal Sites (Registry). As of the date of this notice, the site identified above, and located on a map on the reverse side of this page, was reclassified on the Registry as a Class 2 site that presents a significant threat to public health and/or the environment for the following reason(s):

The site is a former municipal and industrial landfill that accepted waste from multiple sites, including Niagara Falls Air Force Base, Bell Aerospace, Carborundum, Frontier Chemical, Graphite Specialties, Continental Can, and Grief Brothers. Site contaminants include metals, polycyclic aromatic hydrocarbons, polychlorinated biphenyls, pesticides, caustics, and plating tank sludge. The landfill does not have a Part 360 cap or access restrictions. Both conditions indicate a concern for potential exposures to people who enter the site. This exposure concern has been documented as people are using the landfill as a jogging and play area. Dirt bike trails are evident throughout the site and use of such has resulted in landfill materials to become exposed at the surface. Therefore, the site represents a significant threat to the environment and public health.

**If you own property adjacent to this site and are renting or leasing your property to someone else, please share this information with them. If you no longer wish to be on the contact list for this site or otherwise need to correct our records, please contact DEC's Project Manager listed below.**

#### FOR MORE SITE INFORMATION

Additional information about this site can be found using DEC's "Environmental Site Remediation Database Search" engine which is located on the internet at:

[www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=3](http://www.dec.ny.gov/cfm/xtapps/derexternal/index.cfm?pageid=3)

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

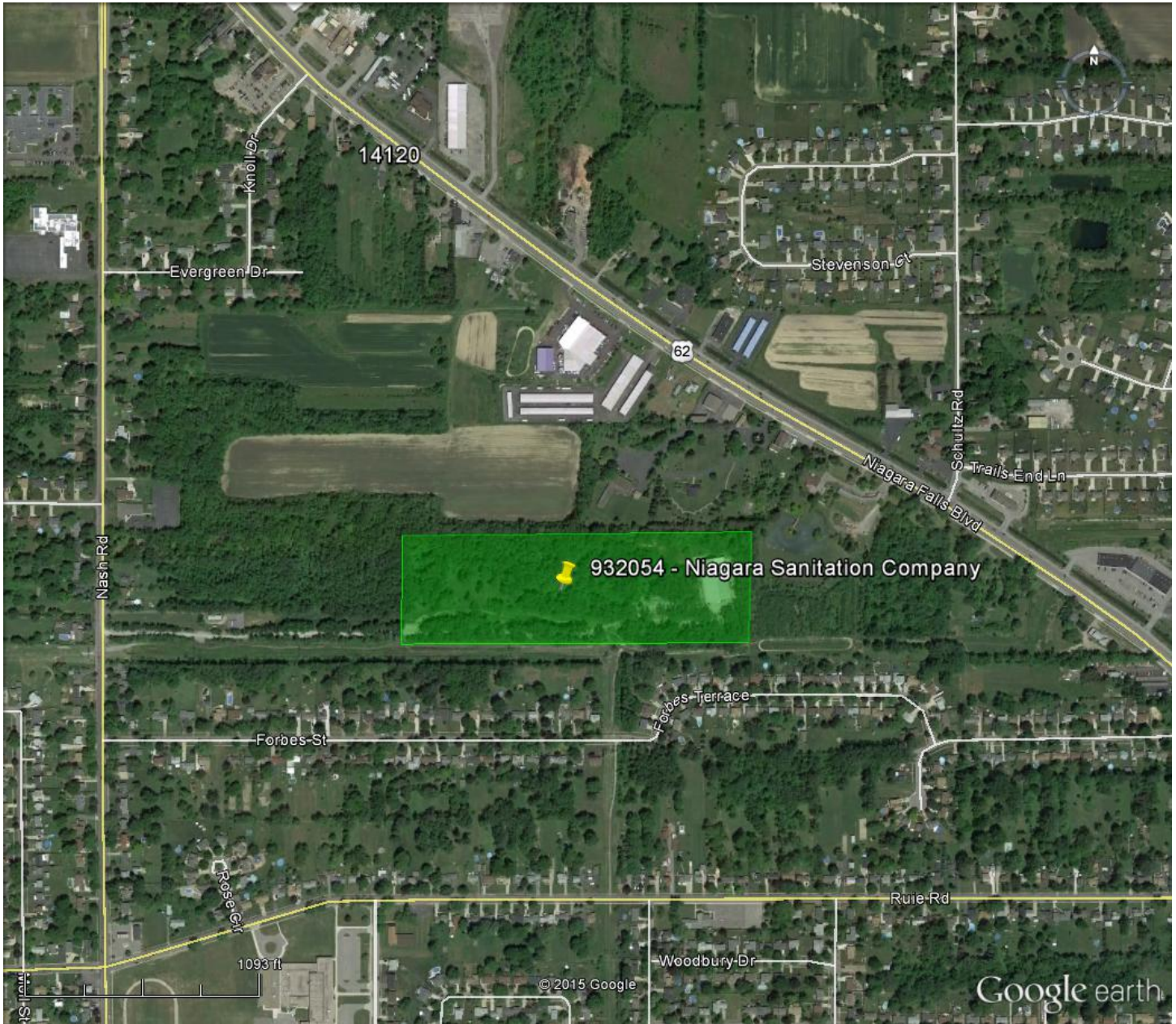
#### Project Related Questions

Glenn May, Project Manager  
NYS Department of Environmental Conservation  
Division of Environmental Remediation  
270 Michigan Ave.  
Buffalo, NY 14203  
Phone: 716-851-7220  
Email: [glenn.may@dec.ny.gov](mailto:glenn.may@dec.ny.gov)

#### Site Related Health Questions

Matthew Forcucci, DOH Project Manager  
NYS Department of Health  
584 Delaware Ave.  
Buffalo, NY 14202  
Phone: 716-847-4501  
Email: [beej@health.ny.gov](mailto:beej@health.ny.gov)

**Approximate Site Location**  
Niagara Sanitation Company  
Site ID: 932054  
Nash Road, Town of Wheatfield  
Niagara County, 14120



**Receive Site Updates by Email**

Have site information such as this public notice 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:

[www.dec.ny.gov/chemical/61092.html](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.

You may continue also to receive paper copies of site information for a time after you sign up with a county listserv, until the transition to electronic distribution is complete.

**Note:** Please disregard if you received this notice by way of a county email listserv.

**Electronic copies:**

R. Schick, Director, Division of Environmental Remediation  
A. English, Director, Bureau of Technical Support  
K. Lewandowski, Chief, Site Control Section  
M. Cruden, Director, Remedial Bureau E  
G. Sutton, RHWRE, Region 9  
D. Denk, Regional Permit Administrator, Region 9  
M. Gollwitzer, Regional CPS, Region 9  
K. Davidson, Regional CPS, Region 9  
K. Anders, NYSDOH  
C. Bethoney, NYSDOH Regional Chief  
M. Forcucci, NYSDOH Project Manager  
L. Ennist, DER, Bureau of Program Management  
G. May, Project Manager  
B. Anderson, Site Control Section

Robert B. Cliffe, Supervisor  
Town of Wheatfield  
2800 Church Rd., Upper Level  
Wheatfield, NY 14120

Kathleen Harrington-McDonell  
Wheatfield Town Clerk  
2800 Church Rd., Upper Level  
Wheatfield, NY 14120

Richard Donner, Superintendent  
Water & Sewer Department  
Town of Wheatfield  
3113 Niagara Falls Blvd.  
Wheatfield, NY 14120

Honorable Arthur G. Pappas, Mayor  
City of North Tonawanda  
216 Payne Ave.  
North Tonawanda, NY 14120

Daniel R. Quinn  
North Tonawanda Clerk  
216 Payne Ave.  
North Tonawanda, NY 14120

Jeffrey M. Glatz, Manager  
Niagara County  
Philo J. Brooks Co. Office Bldg., 2nd Fl.  
59 Park Avenue  
Lockport, NY 14094

Wayne F. Jagow  
Niagara County Clerk  
Niagara County Courthouse, 1st Fl.  
P.O. Box 461  
175 Hawley Street  
Lockport, NY 14095

Donald Smith, Chair  
Planning Board  
Niagara County  
Vantage Center, Ste. One  
6311 Inducon Corporate Dr.  
Sanborn, NY 14132

Walt Garrow, Chair  
Planning Board  
Town of Wheatfield  
Town Hall  
2800 Church Road  
Wheatfield, NY 14120

Robert Welch  
216 Payne Ave.  
North Tonawanda, NY 14120

National Grid  
300 Erie Blvd. W.  
Syracuse, NY 13202

James Loveland  
7385 Nash Rd.  
North Tonawanda, NY 14120

Robert J. and Elaine McCall  
7397 Nash Road  
North Tonawanda, NY 14120

Jonathan M. Peterson  
7403 Nash Road  
North Tonawanda, NY 14120

National Fuel Gas Supply Corp.  
6363 Main Street  
Williamsville, NY 14221

Society of the Catholic Apostolate  
3452 Niagara Falls Blvd.  
North Tonawanda, NY 14120

Carole Guido  
3466 Niagara Falls Blvd.  
North Tonawanda, NY 14120

Niagara Mohawk Power Corp.  
C/O Real Estate Tax Dept A-3  
300 Erie Blvd. W.  
Syracuse, NY 13202

Lena Sattelberg  
6 Forbes Terrace  
North Tonawanda, NY 14120

David E. Berent  
10 Forbes Terrace  
North Tonawanda, NY 14120

James Stonebraker  
16 Forbes Terrace  
North Tonawanda, NY 14120

Dennis J. Stickney  
18 Forbes Terrace  
North Tonawanda, NY 14120

Johnathan J. Bencic  
22 Forbes Terrace  
North Tonawanda, NY 14120

William J. Maines  
26 Forbes Terrace  
North Tonawanda, NY 14120

Carole J. Keefe  
32 Forbes Terrace  
North Tonawanda, NY 14120

Jeremie R. Joaquin  
38 Forbes Terrace  
North Tonawanda, NY 14120

John Kocsis  
44 Forbes Terrace  
North Tonawanda, NY 14120

Glen Gebhardt  
50 Forbes Terrace  
North Tonawanda, NY 14120

Michael J. Sexstone  
56 Forbes Terrace  
North Tonawanda, NY 14120

Andrew C. Heim  
62 Forbes Terrace  
North Tonawanda, NY 14120

Michelle Conte  
68 Forbes Terrace  
North Tonawanda, NY 14120

Larry E. Giles  
74 Forbes Terrace  
North Tonawanda, NY 14120

Jennie L. Ganas  
80 Forbes Terrace  
North Tonawanda, NY 14120

Richard Orłowski  
86 Forbes Terrace  
North Tonawanda, NY 14120

Lee D. Woodward  
92 Forbes Terrace  
North Tonawanda, NY 14120

Ronald J. Biggie  
98 Forbes Terrace  
North Tonawanda, NY 14120

Frank Gwiazdowski  
104 Forbes Terrace  
North Tonawanda, NY 14120

Daniel F. Lofft  
110 Forbes Terrace  
North Tonawanda, NY 14120

Gordon R. Walck  
116 Forbes Terrace  
North Tonawanda, NY 14120

Brian Pawelczak  
120 Forbes Terrace  
North Tonawanda, NY 14120

Mallory M. Luksch  
128 Forbes Terrace  
North Tonawanda, NY 14120

Sharon L. Chrzanowski  
130 Forbes Terrace  
North Tonawanda, NY 14120

Donald L. Zatkos  
134 Forbes Terrace  
North Tonawanda, NY 14120

Gerald V. Truskowski  
136 Forbes Terrace  
North Tonawanda, NY 14120

Joan Wiedemer  
1282 Forbes Street  
North Tonawanda, NY 14120

Robert McCall  
1296 Forbes Street  
North Tonawanda, NY 14120

Bluepoint Properties Nevada, LLC  
7510 Porter Rd.  
Niagara Falls, NY 14304

Mark J. Ricchiazzi  
1310 Forbes Street  
North Tonawanda, NY 14120

Craig D. Mellenthine  
1318 Forbes Street  
North Tonawanda, NY 14120

Esther Loucks  
1330 Forbes Street  
North Tonawanda, NY 14120

Douglas Faling  
1338 Forbes Street  
North Tonawanda, NY 14120

James F. Labushesky  
1346 Forbes Street  
North Tonawanda, NY 14120

Joshua M. Doroshenko  
1352 Forbes Street  
North Tonawanda, NY 14120

Larry C. Krueger  
1360 Forbes Street  
North Tonawanda, NY 14120

Scott Schultz  
1366 Forbes Street  
North Tonawanda, NY 14120

Jane M. Neumann  
1374 Forbes Street  
North Tonawanda, NY 14120

Philip J. Welty  
1380 Forbes Street  
North Tonawanda, NY 14120

Timothy R. Follendorf  
1388 Forbes Street  
North Tonawanda, NY 14120

Donna Johnson  
1394 Forbes Street  
North Tonawanda, NY 14120

Dawn M. D'Agostino  
1400 Forbes Street  
North Tonawanda, NY 14120

B. Dianne Janus  
1408 Forbes Street  
North Tonawanda, NY 14120

Earline James  
1422 Forbes Street  
North Tonawanda, NY 14120

Joanne L. Papp  
1416 Forbes Street  
North Tonawanda, NY 14120

Michael Dipota  
1430 Forbes Street  
North Tonawanda, NY 14120

Murray A. MacDonald  
1436 Forbes Street  
North Tonawanda, NY 14120

Ronald McNamee  
1444 Forbes Street  
North Tonawanda, NY 14120

James Koepsell  
1450 Forbes Street  
North Tonawanda, NY 14120

Marion Brodfuehrer  
1458 Forbes Street  
North Tonawanda, NY 14120

Brett A. Grawe  
1464 Forbes Street  
North Tonawanda, NY 14120

Nicole L. Mason  
1472 Forbes Street  
North Tonawanda, NY 14120

Gary P. Forth  
1478 Forbes Street  
North Tonawanda, NY 14120

John Roeser  
319 Enez Drive  
Depew, NY 14043

# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Bureau of Technical Support  
625 Broadway, 11th Floor, Albany, NY 12233-7020  
P: (518) 402-9543 | F: (518) 402-9547  
www.dec.ny.gov

December 1, 2015

Mr. Robert B. Cliffe, Supervisor  
Town of Wheatfield  
2800 Church Road  
Wheatfield, NY 14120

Dear Supervisor Cliffe:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (DEC) must maintain a Registry of all inactive disposal sites suspected or known to contain hazardous waste. The ECL also mandates that DEC notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part owner of the site listed below. Therefore, this letter constitutes notification of change in the classification of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State. The effective date of the classification change shall be 20 days from the date of this letter.

**DEC Site No.:** 932054  
**Site Name:** Niagara Sanitation Company  
**Site Address:** Nash Road, Town of Wheatfield, Niagara County  
**Classification change:** Class 3 to Class 2

The reason for the change is as follows:

The landfill is a former municipal and industrial landfill that accepted waste from multiple sites, including Niagara Falls Air Force Base, Bell Aerospace, Carborundum, Frontier Chemical, Graphite Specialties, Continental Can, and Grief Brothers. Site contaminants include metals, polycyclic aromatic hydrocarbons, polychlorinated biphenyls, pesticides, caustics, and plating tank sludge. The Niagara Sanitation Landfill does not have a Part 360 cap or access restrictions. Both conditions indicate a concern for potential exposures to people who enter the site. This exposure concern has been documented as people are using the landfill as a jogging and play area. Dirt bike trails are evident throughout the site and use of such has resulted in landfill materials to become exposed at the surface. Therefore, this site represents a significant threat to public health and the environment.

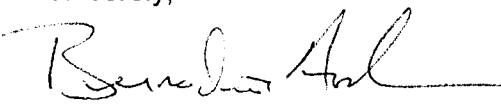
Enclosed is a copy of DEC's Inactive Hazardous Waste Disposal Site Report form as it will appear in the Registry. An explanation of the site classifications is available at <http://www.dec.ny.gov/chemical/8663.html>. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of DEC for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition.

Such petition may be addressed to:

Honorable Basil Seggos  
Acting Commissioner  
New York State Department of Environmental Conservation  
625 Broadway  
Albany, New York 12233-1010

For additional information, please contact Glenn May, the project manager at 716-851-7220.

Sincerely,

  
for Kelly A. Lewandowski, P.E.  
Chief, Site Control Section

KAL/BA/ss  
Enclosure

ec w/Enc:  
R. Schick  
L. Zeppetelli  
A. English  
K. Lewandowski  
G. May, Project Manager



bec w/Enc:

- K. Anders, NYSDOH
- C. Bethoney, NYSDOH Regional Chief
- M. Cruden, Director, Remedial Bureau E
- M. Brady, Regional Attorney, Region 9
- D. Denk, Regional Permit Administrator, Region 9
- G. Sutton, RHWRE, Region 9
- B. Anderson, Site Control Section



**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
DIVISION OF ENVIRONMENTAL REMEDIATION  
Inactive Hazardous Waste Disposal Report**



<b>Site Code</b>	932054				
<b>Site Name</b>	Niagara Sanitation Company	<b>Address</b>	Nash Road		
<b>Classification</b>	02	<b>City</b>	Wheatfield	<b>Zip</b>	14240
<b>Region</b>	9	<b>County</b>	Niagara	<b>Town</b>	Wheatfield
<b>Latitude</b>	43 degrees, 4 minutes, 10.05 seconds			<b>Estimated Size</b>	18.7000
<b>Longitude</b>	-78 degrees, 51 minutes, 32.95 seconds				
<b>Site Type</b>	Landfill				

## Site Description

### Location:

The Niagara Sanitation Company Site, also known as the Nash Road Landfill, is an inactive landfill located in the Town of Wheatfield, Niagara County. The site is bordered to the north by a church and vacant land; to the east by commercial property, vacant land and Niagara Falls Boulevard; to the south by a Niagara Mohawk right-of-way and a residential neighborhood; and to the west by vacant land, residential properties and Nash Road. The southern border of the site follows the City of North Tonawanda corporate boundary.

### Site Features:

The site consists of approximately 18.7 acres of a single 20.8 acre parcel on Nash Road. The property is vacant, and is overgrown with mature trees and brush. Portions of the property are covered with surface water at certain times of the year, particularly in the spring. Historic landfilling activities have resulted in irregular ground surface topography, with relief generally less than 10 feet. Access to the site is not restricted, and the property is used as a jogging area, dirt bike track, and general play area.

### Current Zoning and Land Use:

The New York State property class code for this site is 852 - Landfills and Dumps. Surrounding land use includes residential properties to the south and west, and commercial properties to the north and east.

### Past Use:

The site was operated as a landfill by the Niagara Sanitation Company between 1964 and 1968. The landfill accepted both municipal and industrial solid wastes, including caustic materials, plating tank sludge and municipal wastes. The site received wastes from 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 dumped in a trench at this site between June 6 and July 15, 1968. This waste was generated during construction of the LaSalle Expressway in Niagara Falls. The disposal trench reportedly measured 100 feet by 30 feet, and was 27 feet in depth. The debris was placed in the bottom 15 feet of the trench and covered with 12 feet of clean fill. This waste was excavated from the site during the Fall/Winter of 2014, and the Winter/Spring of 2015 by Glenn Springs Holdings, an affiliate of the Occidental Chemical Corporation.

### Remedial History:

The NYSDEC completed a Phase I Investigation of the site in 1983, a Phase II Investigation in 1985, and an expanded Phase II Investigation in 1989. These investigations confirmed the location of the Love Canal wastes, but also determined that the site did not pose a significant threat to public health or the environment. As a result, the site remained as a Class 3 designation in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry).

In 2013, the NYSDEC conducted a follow-up Site Characterization Study to re-evaluate the Class 3 designation for the site, to confirm the location of the Love Canal wastes, and to delineate the extent of those wastes. This investigation confirmed the findings of the previous studies, and refined the location of the Love Canal waste disposal area. The investigation also determined that further investigation was warranted at other areas of the Landfill.

12/1/2015

In 2014, the NYSDEC conducted a follow-up investigation to characterize the municipal and industrial fill in the remainder of the landfill. While the majority of the site contained contaminant concentrations typical of urban wastes, three areas were identified with hazardous concentrations of lead and PCBs. No off-site contamination was documented in either study.

Site Geology and Hydrogeology:

The native soils underling the site consist of an upper gray sand lens that ranges in thickness from 0 to 8 feet. This deposit is thickest in the southwest portion of the site and is absent to the northeast.

Underlying the upper sand deposit is a thin, gray-brown silty clay that ranges in thickness from 3 to 7 feet. This unit overlies a thick (17 to 32 feet), red-gray layered clay that contains thin sand seams.

Underlying the thick clay deposit is a lower sand lens that ranges in thickness from 3 to 6 feet. This unit is thickest in the northern portion of the site, and thins to the south, east and west.

A pink, very dense till unit directly overlies dolostone bedrock, and ranges in thickness from 22 to 42 feet. Depth to bedrock ranges from 65 feet to 71 feet below ground surface.

Monitoring wells installed at the site screen six different overburden zones including the fill. Groundwater elevations in the fill range from 3.20 to 8.70 feet below the well casings, while groundwater elevations in the upper sand lens range from 2.80 to 6.03 feet. Groundwater elevations in the gray-brown silty clay are also shallow, ranging from 2.05 to 5.30 feet. Wells that screen the thick layered clay deposit have groundwater elevations ranging from 3.49 to 11.80 feet.

Deeper groundwater elevations were observed for the lower sand lens and till deposit, with elevations ranging from 11.30 to 16.90 feet for the lower sand lens, and 14.10 to 17.70 feet for the till deposit.

Groundwater flow in the fill and upper sand lens is to the north, while groundwater flow in the lower sand lens is to the northeast. The water table of the till deposit is essentially flat.

Groundwater flow directions have not been determined for the other overburden deposits.

---

## Materials Disposed at Site

### OU 01

CAUSTICS	UNKNOWN
PLATING TANK SLUDGE	"
MUNICIPAL WASTE	"
polycyclic aromatic hydrocarbons (PAHS), total	UNKNOWN
cadmium	UNKNOWN
chromium	UNKNOWN
mercury	UNKNOWN
arsenic	UNKNOWN
barium	UNKNOWN
lead	UNKNOWN
silver	UNKNOWN
dieldrin	UNKNOWN
aldrin	UNKNOWN
hexachlorocyclohexane (all isomers)	UNKNOWN
endrin	UNKNOWN
lindane	UNKNOWN
chlordane	UNKNOWN
phenol	UNKNOWN
chlorobenzene	UNKNOWN
petroleum products	UNKNOWN

---

Analytical Data Available for : Groundwater, Surface Water, Soil, Sediment

Applicable Standards Exceeded for: Groundwater, Surface Water

---

## Assessment of Environmental Problems

### Nature and Extent of Contamination:

**Fill Material:** Some fill material at the site is hazardous for lead (D008) and PCBs (concentrations above 50 ppm). Fill material also contains PAHs, pesticides (dieldrin) and metals (arsenic, barium, cadmium, chromium, lead, silver and mercury) at concentrations that exceeded the NYSDEC Part 375 residential use soil cleanup objectives.

**Surface Soil:** PAHs and metals (cadmium, chromium and mercury) were detected in surface soil at concentrations that exceeded the NYSDEC Part 375 residential use soil cleanup objectives.

**Groundwater:** 21 groundwater monitoring wells (9 deep zone wells and 12 shallow zone wells) have been installed across the site. The deep zone wells were not sampled during the 2013 and 2014 NYSDEC investigations, so current groundwater conditions in that zone are unknown.

Shallow zone groundwater is contaminated with volatile organic compounds (chlorobenzenes and petroleum compounds), semivolatile organic compounds (phenolic compounds), pesticides (aldrin, BHC, chlordane, dieldrin, endrin and lindane) and metals (barium and lead) at concentrations that exceeded NYSDEC groundwater standards.

**Sediment:** Only 1 sediment sample was collected during the 2013 and 2014 NYSDEC investigations. This sample was located in the northeast portion of the site, and is moderately contaminated with metals (cadmium, lead and mercury).

**Surface Water:** Seven surface water samples were collected from on-site ponds during the 2013 NYSDEC investigation. These samples were contaminated with semivolatile organic compounds (phenolic compounds) and pesticides (BHC, dieldrin and chlordane) at concentrations that exceeded NYSDEC surface water standards. The sample collected from an off-site ditch showed no compounds present above surface water standards.

### Summary:

The 2013 and 2014 NYSDEC investigations of the site have documented soil and groundwater contamination by various contaminants typical of municipal and industrial wastes. Additional investigation is required to determine if contaminated groundwater is migrating off-site.

---

## Assessment of Health Problems

The site is not fenced and persons who enter the site could contact contaminants in the soil by walking on the soil, digging or otherwise disturbing the soil. People could contact landfill contents by digging into the landfill. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. People may come in contact with contaminants present in wetland sediments.

---

### Owners

#### Current Owner(s)

Robert B. Cliffe

Town of Wheatfield

2800 Church Road

Wheatfield NY 14120-1099

#### Disposal Owner(s)

Town of Wheatfield

2800 Church Road

Wheatfield NY 14120-1099

### Operators

#### Current Operator(s)

Niagara Sanitation Company

BFI Waste Systems

2321 Kenmore Avenue / PO Box 571

Kenmore NY 14217



## Department of Health

**ANDREW M. CUOMO**  
Governor

**HOWARD A. ZUCKER, M.D., J.D.**  
Commissioner

**SALLY DRESLIN, M.S., R.N.**  
Executive Deputy Commissioner

November 19, 2015

Michael Cruden, Director  
Remedial Bureau E  
Division of Environmental Remediation  
NYS Dept. of Environmental Conservation  
625 Broadway  
Albany, New York 12233

**Re: Site Reclassification – Class 3 to 2**  
Niagara Sanitation  
Site #932054  
Wheatfield, Niagara County

Dear Mr. Cruden:

Per your request, we have reviewed the New York State Department of Environmental Conservation's (NYSDEC's) proposal to reclassify the referenced site from a Class 3 to a Class 2 on NYSDOH's Registry of Inactive Hazardous Waste Disposal Sites. The landfill is a former municipal and industrial landfill that accepted waste from multiple sites, including Niagara Falls Air Force Base, Bell Aerospace, Carborundum, Frontier Chemical, Graphite Specialties, Continental Can, and Grief Brothers. Site contaminants include metals, polycyclic aromatic hydrocarbons, polychlorinated biphenyls, pesticides, caustics, and plating tank sludge. I understand that the Niagara Sanitation Landfill does not have a Part 360 cap or access restrictions. Both conditions indicate a concern for potential exposures to people who enter the site. This exposure concern has been documented as people are using the landfill as a jogging and play area. Dirt bike trails are evident throughout the site and use of such has resulted in landfill materials to become exposed at the surface.

Based on this information, I believe this site represents a significant threat to public health and concur with your Department's reclassification proposal. If you have any questions, please contact Ms. Charlotte Bethoney or me at (518) 402-7860.

Sincerely,

Krista M. Anders, Director  
Bureau of Environmental Exposure Investigation

ec: C. Bethoney / e-File  
R. Van Houten / M. Forcucci – NYSDOH WRO  
P. Dickey – NCDOH  
M. Ryan / K. Lewandowski – NYSDOH Central Office  
G. Sutton / G. May – NYSDOH Region 9

P:\Bureau\Sites\Region\_9\NIAGARA\932054\Class 2 reclass pkg\Reclass\_DOHConcur\_111915\_932054.pdf