



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



DATE: 10/16/2012

Site Code:	828040A	Site Name:	Sweden 3 - Chapman
City:	Sweden	Town:	Sweden
Region:	8	County:	Monroe
Current Classification:	02	Proposed Classification:	04
Estimated Size (acres):	5.20	Disposal Area:	Dump, Landfill
Significant Threat:	Previously	Site Type:	
Priority ranking Score:		Project Manager:	David Chiusano

Summary of Approvals

Originator/Supervisor: Gerard Burke	08/23/2012
RHWRE: Bart Putzig:	09/20/2012
BEEI of NYSDOH:	09/20/2012
CO Bureau Director: Michael Cruden, Director, Remedial Bureau E:	08/23/2012
Assistant Division Director: Robert W. Schick, P.E.:	09/25/2012

Basis for Classification Change

Threats from the disposal of hazardous waste at this site were addressed by the implementation of the remedy identified for the site by the March 1994 Record of Decision, February 2006 Explanation of Significant Differences (ESD), and January 2009 ESD. All construction of the components of the site-wide remedy was completed no later than May 2010. The Final Engineering Report(FER)confirms that the remedy has been constructed consistent with the requirements in the ROD. The FER is in eDocs. Management of contamination remaining at the site, including any required monitoring, is and has been controlled pursuant to a Site Management Plan (SMP). A copy of the SMP is in eDocs. Institutional controls were required to ensure the protectiveness of the site. The required controls, in the form of a deed restriction (Polle Property) and an Environmemntal Easement (Luce Property)are in place. A significant threat to public health and the environment no longer exists at the site. The site is properly remediated and requires site management, therefore, it qualifies for Class 4 status on the Registry of Inactive Hazardous Waste disposal sites.

Site Description - Last Review: 09/27/2012

Location: The site is located in a rural portion of Monroe County, NY. The site is located 0.5 miles north of the intersection of Beadle Road and Route 19 and bounded by White Road to the north, Beadle Road to the south, Route 19 to the east, and Redman Road to the west. An inactive construction, demolition and debris landfill is on the site and is composed of two portions of contiguous privately owned parcels totaling approximately 5 acres.



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Site Classification Report



DATE: 10/16/2012

Site Code: 828040A

Site Name: Sweden 3 - Chapman

Site Features: The landfill is overgrown with grasses, brush, and small trees and is surrounded by hardwood forest. Site surface drainage flows from the landfill to the northeast into a state registered wetland and then northeast to an unnamed tributary of Salmon Creek. Access to the site is from Beadle Road to the south.

Current Zoning/Use(s): The site is currently inactive. Land use in the vicinity of the Sweden-3 Chapman site is a mixture of residential property and undeveloped wooded lands to the north, east, south, and west. The nearest residence is located approximately 200 feet southeast of the site, along Beadle Road.

Historic Use(s): The landfill 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 at the Site. The landfill was apparently formed by dumping from higher terrain into the wetland.

Site Geology and Hydrogeology: Native overburden material at the site consists of sand, silt, and clay; and a highly compacted glacial till. The overburden varies in depth from 17 ft to 23 ft. Bedrock beneath the till is black-gray fractured carbonate bedrock of the Lockport Group. The top few feet of the bedrock are highly weathered.

The primary water bearing zones in the glacial overburden are higher permeability lacustrine and outwash deposits composed of silts, sands, and gravels. These units are not commonly area extensive and rarely provide sufficient groundwater supplies for residents in the area.

The primary aquifer in the area is the regionally extensive fractured dolostone bedrock. This aquifer is capable of providing significant groundwater supplies. The permeability of this aquifer is a function of secondary porosity occurring throughout the bedrock. A significant water-bearing zone is commonly encountered at the top of bedrock as a result of increased secondary porosity due to zones of bedrock weathering and increased fractures.

Groundwater at the Site generally occurs in three distinct water-bearing zones. These three groundwater-bearing zones comprise the following units at the site: overburden glacial deposits; overburden/weathered bedrock interface; and fractured dolostone bedrock.

Groundwater flow in the overburden unit generally mimics the surface topography and moves in a northeasterly direction, from the landfill towards the wetlands. Interface groundwater flow is also in a northeasterly direction towards the wetlands. The overall groundwater flow in the bedrock aquifer is generally to the northeast.

More information can be found on the NYSDEC public web site at:
<http://www.dec.ny.gov/chemical/62552.html>

6/27/12-The Department signed the Environmental Easement for this site.

Contaminants of Concern (Including Materials Disposed)

Quantity Disposed

OU 01

TRICHLOROETHENE (TCE)

0.00



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Site Name: Sweden 3 - Chapman

METHYLENE CHLORIDE	0.00
TETRACHLOROETHYLENE (PCE)	0.00
ACETONE	0.00
NAPHTHALENE	0.00
BENZENE	0.00
ETHYLBENZENE	0.00
CHROMIUM	0.00
LEAD	0.00
CYANIDES(SOLUBLE CYANIDE SALTS)	0.00

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

Applicable Standards Exceeded for: Groundwater

Site Environmental Assessment- Last Review: 09/27/2012

Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were volatile organic chemicals and semi-volatile organic compounds in groundwater and soil.

In 2008, the NYSDEC requested to collect air samples from a home situated adjacent to the Site along Beadle Road. In November 2008, the home owner elected not to participate in the air monitoring program. The NYSDEC and NYSDOH will continue to monitor soil vapor as part of future site management activities at the Site.

The NYSDEC has sampled the private wells that were most likely to be impacted from the Site. One private well exists near the site and is routinely monitored to determine if contaminants from the site are present in the well. The sampling has found no site related contamination in any private wells.

The landfill is properly capped, institutional controls are in place, the site is fenced and signs are posted. The site is now in the site management phase.

Site Health Assessment - Last Update: 09/07/2012

People are not drinking the contaminated groundwater because most of the area is served by a public water supply that is not affected by this contamination. One private well exists near the site and is routinely monitored to determine if contaminants from the site are present in the well. The landfill was properly capped when it was closed; therefore, people are not likely to contact contaminated soils. Measures are in place to prevent contact with the underlying contamination.

	Start		End	
OU 00				
OGC Docket - Deed Restriction	2/16/11	ACT	6/1/11	ACT
OGC Docket - Environmental Easement	6/3/11	ACT	6/27/12	ACT
Periodic Review	12/22/11	ACT	12/22/11	ACT
Periodic Review	3/1/15	PLN	4/15/15	PLN
Site Management	12/1/92	ACT	12/31/25	PLN
OU 01				
Reclass Pkg.	9/29/00	ACT		XXX
Reclass Pkg.	6/21/12	ACT	11/16/12	PLN



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



DATE: 10/16/2012

Site Code: 828040A

Site Name: Sweden 3 - Chapman

Remedial Action	8/1/98	ACT	5/1/99	ACT
Remedial Design	3/1/97	ACT	5/1/98	ACT
Remedial Investigation	11/1/91	ACT	3/1/94	ACT
VI Evaluation	12/20/07	ACT	1/7/09	ANF
OU 01A				
Remedial Action	9/1/90	ACT	2/1/92	ACT
Remedial Design	4/1/90	ACT	11/1/90	ACT
OU 01B				
Remedial Design	9/1/91	ACT	2/1/93	TRM
OU 01C				
Remedial Action	3/1/91	ACT	4/1/91	ACT
OU 01D				
Remedial Action	1/25/10	ACT	12/22/10	ACT
Remedial Design	2/9/06	ACT	9/25/09	ACT
Remedial Investigation	10/8/03	ACT	2/9/06	ACT

Remedy Description and Cost

Remedy Description for Operable Unit 01

The ROD called for:

- Excavation of contaminated soils
- Treat the soils with LTDD or biotreatment
- Backfill the treated soil on the existing landfill and place a 360 cap.
- construct a groundwater interceptor trench, capture groundwater, treat and re-inject on-site.
- Monitor groundwater.

The remedy completed at the site include:

- soil excavation and treatment on-site with LTDD.
- source area groundwater captured and treated.
- Treated soils backfilled and 360 cap constructed.

Total Cost \$5,367,000



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



DATE: 10/16/2012

Site Code: 828040A

Site Name: Sweden 3 - Chapman

Remedy Description for Operable Unit 01A

Total Cost



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
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DATE: 10/16/2012

Site Code: 828040A

Site Name: Sweden 3 - Chapman

Remedy Description for Operable Unit 01B

Total Cost



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



DATE: 10/16/2012

Site Code: 828040A

Site Name: Sweden 3 - Chapman

Remedy Description for Operable Unit 01C

Total Cost



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



DATE: 10/16/2012

Site Code: 828040A

Site Name: Sweden 3 - Chapman

Remedy Description for Operable Unit 01D

The SSF cleanup design for the Sweden-3 Landfill site was completed by the NYSDEC in August 2009 and the contract for cleanup activities was awarded at the end of January 2010 to the Environmental Services Group, Inc. Environmental cleanup work at the site began in February 2010 and was completed on schedule in May 2010.

The following major cleanup activities were completed at the site:

- * Approximately 3,000 tons of non-hazardous, solid waste consisting primarily of VOC contaminated soils were removed from the site and disposed of at an off-site, state permitted facility;

- * Contaminated groundwater generated during excavation activities was collected, treated on site or disposed of off-site at a state permitted facility. Prior to on-site discharge samples of the treated water were regularly collected and analyzed for site-specific contaminants of concern to ensure compliance with NYSDEC discharge standards and requirements;

- * The chemical potassium permanganate was injected into the bottom of the excavated area to treat the contaminated groundwater in place;

- * Excavated areas were backfilled, re-graded with off-site, clean soil to promote proper site drainage, and re-seeded; and

- * Installation of two (2) additional groundwater monitoring wells to be sampled as part of long-term monitoring of groundwater quality between the site and the surrounding residential areas.

Since the remedy resulted in contamination above unrestricted use levels remaining at the site, a Site Management Plan (SMP) was developed and is being implemented. The SMP will include the following institutional and engineering controls: (a) a plan for long-term groundwater monitoring; (b) maintenance of the existing cover; (c) a plan to manage any development of the landfill that would result in excavation into the existing cover and/or waste; (d) an exclusion against future residential use; and (e) a prohibition against the use of groundwater at the site as a source of potable or process water without necessary water quality treatment; and an annual submission by the site owner of an Institutional Controls / Engineering Controls (IC/EC) certification for a period to be approved by the NYSDEC, which would certify that the institutional and engineering controls are unchanged and nothing has occurred that would impair the ability of the controls to protect public health or the environment or constitute a violation or failure to comply with any operation and maintenance or the SMP.

Total Cost \$750,000



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Site Name: Sweden 3 - Chapman

OU 00

Site Management Plan Approval: 12/01/1992

Status: ACT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Form
10/16/2012

SITE DESCRIPTION

SITE NO. 828040A

SITE NAME Sweden 3 - Chapman

SITE ADDRESS: North of Beadle Road & East of Redman Road

ZIP CODE: 14420

CITY/TOWN: Sweden

COUNTY: Monroe

ALLOWABLE USE: Closed Landfill

SITE MANAGEMENT DESCRIPTION

SITE MANAGEMENT PLAN INCLUDES: YES NO

IC/EC Certification Plan	}	G
Monitoring Plan	}	G
Operation and Maintenance (O&M) Plan	}	G

Periodic Review Frequency: every three years }

Periodic Review Report Submittal Date: 03/01/2015



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



DATE: 10/16/2012

Site Code: 828040A

Site Name: Sweden 3 - Chapman

Description of Institutional Control

George S. Luce III and Nancy R Luce

6000 Redman Road

6000 Redman Road

Environmental Easement

Block:

Lot:

Sublot:

Section:

Subsection:

S_B_L Image: 098.040-0001-20.1000000

Building Use Restriction

Ground Water Use Restriction

IC/EC Plan

Landuse Restriction

Monitoring Plan

O&M Plan

Site Management Plan

Soil Management Plan

Harold R. Pole and Barbara L. Polle

1388 Beadle Road

1388 Beadle Road

Deed Restriction

Block:

Lot:

Sublot:

Section:

Subsection:

S_B_L Image: 098.040-0001-16.1000000

Ground Water Use Restriction

Landuse Restriction

Monitoring Plan

O&M Plan

Site Management Plan

Soil Management Plan

Description of Engineering Control



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION
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George S. Luce III and Nancy R Luce

6000 Redman Road

6000 Redman Road

Environmental Easement - Institutional Control Instrument

Block:

Lot:

Sublot:

Section:

Subsection:

S_B_L Image: 098.040-0001-20.1000000

Cover System

Fencing/Access Control

Harold R. Pole and Barbara L. Polle

1388 Beadle Road

1388 Beadle Road

Deed Restriction - Institutional Control Instrument

Block:

Lot:

Sublot:

Section:

Subsection:

S_B_L Image: 098.040-0001-16.1000000

Cover System

Fencing/Access Control



PUBLIC NOTICE

State Superfund Program

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

Site Name: Sweden 3 - Chapman

October 16, 2012

Site No. 828040A

Tax Map No: 098.040-0001-20.100 and 098.040-0001-16.100

Site Location: North of Beadle Road & East of Redman Road, Town of Sweden, Monroe County 14420

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 (Department) maintains a list of these sites in the Registry of Inactive Hazardous Waste Disposal Sites (the "Registry"). The site identified above, and located on a map on the reverse side of this page, was recently reclassified on the Registry as a Class 4 site as it no longer presents a significant threat to public health and/or the environment for the following reason(s):

Remedial actions to properly construct and close the landfill have been completed. Specifically, a soil cover system was constructed as part of the Part 360 regulations and landfill closure. Human exposures to residual soil, groundwater and soil vapor contamination are being addressed under the Site Management Plan, which includes both an environmental easement and a Deed restriction on the site. The easement and deed restriction require the following: (a) a prohibition of vegetable gardens and farming, including cattle and dairy farming, on the properties; (b) compliance with an approved site management plan; (c) a restriction on the use of groundwater as a source of either potable or process water; (d) an evaluation of the potential for soil vapor intrusion for any buildings developed on the site and mitigation, if necessary; (e) maintenance of the existing soil cover across the site; and (f) annual certification by the property owner to the New York State Department of Environmental Conservation that the institutional and engineering controls remain effective.

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 the Department's Project Manager listed below.

FOR MORE SITE INFORMATION

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

www.dec.ny.gov/cfm/external/derexternal/index.cfm?pageid=3

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

Project Related Questions

Mr. David Chiusano, Project Manager

NYS Department of Env. Conservation

Div. of Environmental Remediation, Bureau E

625 Broadway, 12th Floor

Albany, NY 12233-7017

518-402-9814

djchiusa@gw.dec.state.ny.us

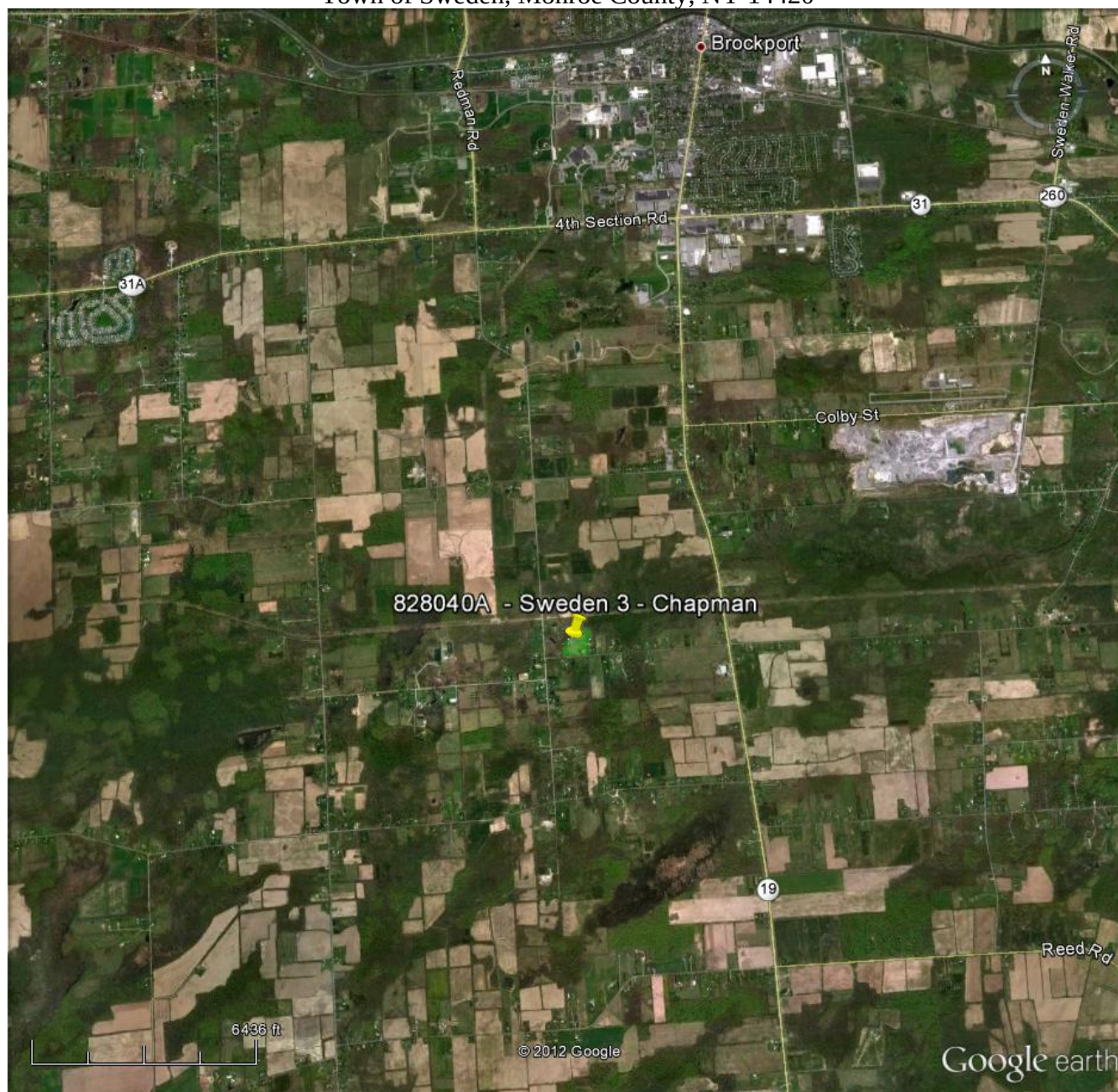
Approximate Site Location

Sweden 3 – Chapman

Site ID: 828040A

North of Beadle Road & East of Redman Road

Town of Sweden, Monroe County, NY 14420



Receive Site Updates by Email

Have site information such as this public notice 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: 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
B. Putzig, RHWRE, Region 8
S. Sheeley, Regional Permit Administrator, Region 8
L. Vera, Regional CPS, Region 8
K. Anders, NYSDOH
J. Kenney, NYSDOH
L. Ennist, DER, Bureau of Program Management
C. DiNolfo, Monroe County Clerk (mcclerk@monroecounty.gov)
L. Hartshorn, Coordinator, Monroe County Env. Management Council (mchealth@monroecounty.gov)
L. Morelli, Village of Brockport Clerk (lmorelli@brockportny.org)
K. Sweeting, Town of Sweden Clerk (karens@townofsweden.org)
A. Doniger, Director, Monroe County Dept of Public Health (mchealth@monroecounty.gov)
D. Chiusano, Project Manager
B. Anderson, Site Control Section

Current Occupant
6005 Redman Road
Brockport, NY 14420

Current Occupant
6041 Redman Road
Brockport, NY 14420

Current Occupant
1360 Beadle Road
Brockport, NY 14420

Current Occupant
5995 Redman Road
Brockport, NY 14420

Current Occupant
6000 Redman Road
Brockport, NY 14420

Current Occupant
5950 Redman Road
Brockport, NY 14420

Current Occupant
1388 Beadle Road
Brockport, NY 14420

Current Occupant
5949 Redman Road
Brockport, NY 14420

Current Occupant
1411 Beadle Road
Brockport, NY 14420

Current Occupant
1385 Beadle Road
Brockport, NY 14420

Current Occupant
6053 Redman Road
Brockport, NY 14420

Current Occupant
6069 Redman Road
Brockport, NY 14420

Current Occupant
6041 Redman Road
Brockport, NY 14420

The Honorable Maggie Brooks
Monroe County Executive
110 County Office Bldg.
39 W. Main St.
Rochester, NY 14614

Anthony J. Quattrone
Chairman, Monroe County Water
Authority
475 Norris Drive
Rochester, NY 14610- 0999

The Honorable M. Connie
Castaneda, Mayor
Village of Brockport Mayor
49 State Street
Brockport, NY 14420

The Honorable Patricia P. Connors
Sweden Town Supervisor of
Sweden
18 State Street
Brockport, NY 14420

Kenneth Reid, Chairman
Town of Sweden Zoning Board of
Appeals
18 State Street
Brockport, NY 14420

Judy A. Seil, Director
Monroe County Dept. of Planning
and Development
8100 City Place, 50 W. Main St.
Rochester, NY 14614

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Technical Support, 11th Floor
625 Broadway, Albany, NY 12233-7020
Phone: (518) 402-9553 • Fax: (518) 402-9547
Website: www.dec.ny.gov



September 26, 2012

✓ Mr. George Luce III
6000 Redman Road
Brockport, NY 14420

Mr. Harold Polle
1388 Beadle Road
Brockport, NY 14420

Dear Mr. Luce and Mr. Polle:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (Department) must maintain a Registry of all inactive disposal sites suspected or known to contain hazardous waste. The ECL also mandates that this Department 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.

DEC Site No.: 828040A

Site Name: Sweden 3 - Chapman

Site Address: North of Beadle Road & East of Redman Road, Town of Sweden,
Monroe County, NY 14420

Classification Change: Class 2 to 4.

The reason for the change is as follows:

Remedial actions to properly construct and close the landfill have been completed. Specifically, a soil cover system was constructed as part of the Part 360 regulations and landfill closure. Human exposures to residual soil, groundwater and soil vapor contamination are being addressed under the Site Management Plan, which includes an environmental easement on the property and two offsite properties. This easement requires the following: (a) a prohibition of vegetable gardens and farming, including cattle and dairy farming, on the properties; (b) compliance with an approved site management plan; (c) a restriction on the use of groundwater as a source of either potable or process water; (d) an evaluation of the potential for soil vapor intrusion for any buildings developed on the site and mitigation, if necessary; (e) maintenance of the existing soil cover across the site; and (f) annual certification by the property

owner to the New York State Department of Environmental Conservation that the institutional and engineering controls remain effective. A significant threat to public health and the environment no longer exists at the site. The site is properly remediated and requires site management, therefore, it qualifies for Class 4 status on the Registry of Inactive Hazardous Waste disposal sites.

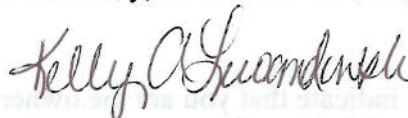
Enclosed is a copy of the Department's Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry. An explanation of the site classifications is available at <http://www.dec.ny.gov/chemical/8663.html>. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation 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 Joseph J. Martens
Commissioner
New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233-1010

For additional information, please contact Mr. David Chiusano, the project manager at 518-402-9814.

Sincerely,



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

KAL/BA/sls
Enclosure

ec: R. Schick
D. Weigel
A. English
K. Lewandowski



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



Site Code	828040A		
Site Name	Sweden 3 - Chapman	Address	North of Beadle Road & East of Redman Road
Classification	04	City	Sweden Zip 14420
Region	8	County	Monroe Town Sweden
Latitude	43 degrees, 9 minutes, 45.71 seconds		Estimated Size 5.2000
Longitude	-77 degrees, 57 minutes, 31.43 seconds		
Site Type	Disposal Area Dump, Landfill		

Site Description

Location: The site is located in a rural portion of Monroe County, NY. The site is located 0.5 miles north of the intersection of Beadle Road and Route 19 and bounded by White Road to the north, Beadle Road to the south, Route 19 to the east, and Redman Road to the west. An inactive construction, demolition and debris landfill is on the site and is composed of two portions of contiguous privately owned parcels totaling approximately 5 acres.

Site Features: The landfill is overgrown with grasses, brush, and small trees and is surrounded by hardwood forest. Site surface drainage flows from the landfill to the northeast into a state registered wetland and then northeast to an unnamed tributary of Salmon Creek. Access to the site is from Beadle Road to the south.

Current Zoning/Use(s): The site is currently inactive. Land use in the vicinity of the Sweden-3 Chapman site is a mixture of residential property and undeveloped wooded lands to the north, east, south, and west. The nearest residence is located approximately 200 feet southeast of the site, along Beadle Road.

Historic Use(s): The landfill 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 at the Site. The landfill was apparently formed by dumping from higher terrain into the wetland.

Site Geology and Hydrogeology: Native overburden material at the site consists of sand, silt, and clay; and a highly compacted glacial till. The overburden varies in depth from 17 ft to 23 ft. Bedrock beneath the till is black-gray fractured carbonate bedrock of the Lockport Group. The top few feet of the bedrock are highly weathered.

The primary water bearing zones in the glacial overburden are higher permeability lacustrine and outwash deposits composed of silts, sands, and gravels. These units are not commonly area extensive and rarely provide sufficient groundwater supplies for residents in the area.

The primary aquifer in the area is the regionally extensive fractured dolostone bedrock. This aquifer is capable of providing significant groundwater supplies. The permeability of this aquifer is a function of secondary porosity occurring throughout the bedrock. A significant water-bearing zone is commonly encountered at the top of bedrock as a result of increased secondary porosity due to zones of bedrock weathering and increased fractures.

Groundwater at the Site generally occurs in three distinct water-bearing zones. These three groundwater-bearing zones comprise the following units at the site: overburden glacial deposits; overburden/weathered bedrock interface; and fractured dolostone bedrock.

Groundwater flow in the overburden unit generally mimics the surface topography and moves in a northeasterly direction, from the landfill towards the wetlands. Interface groundwater flow is also in a northeasterly direction towards the wetlands. The overall groundwater flow in the bedrock aquifer is generally to the northeast.

More information can be found on the NYSDEC public web site at:
<http://www.dec.ny.gov/chemical/62552.html>

6/27/12-The Department signed the Environmental Easement for this site.

9/26/2012

Contaminants of Concern (Including Materials Disposed)	Quantity
OU 01	
TRICHLOROETHENE (TCE)	0.00
METHYLENE CHLORIDE	0.00
TETRACHLOROETHYLENE (PCE)	0.00
ACETONE	0.00
NAPHTHALENE	0.00
BENZENE	0.00
ETHYLBENZENE	0.00
CHROMIUM	0.00
LEAD	0.00
CYANIDES(SOLUBLE CYANIDE SALTS)	0.00

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

Applicable Standards Exceeded for: Groundwater

Site Environmental Assessment

Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were volatile organic chemicals and semi-volatile organic compounds in groundwater and soil.

In 2008, the NYSDEC requested to collect air samples from a home situated adjacent to the Site along Beadle Road. In November 2008, the home owner elected not to participate in the air monitoring program. The NYSDEC and NYSDOH will continue to monitor soil vapor as part of future site management activities at the Site.

The NYSDEC has sampled the private wells that were most likely to be impacted from the Site. One private well exists near the site and is routinely monitored to determine if contaminants from the site are present in the well. The sampling has found no site related contamination in any private wells.

The landfill is properly capped, institutional controls are in place, the site is fenced and signs are posted. The site is now in the site management phase.

Site Health Assessment

People are not drinking the contaminated groundwater because most of the area is served by a public water supply that is not affected by this contamination. One private well exists near the site and is routinely monitored to determine if contaminants from the site are present in the well. The landfill was properly capped when it was closed; therefore, people are not likely to contact contaminated soils. Measures are in place to prevent contact with the underlying contamination.

9/26/2012

Owners

Current Owner(s)

George and Nancy Luce

6000 Redman Road

Brockport

NY 14420

Harold Polle & Barbara Hinchey

1338 Beadle Road

Brockport

NY 14420

Previous Owner(s)

WEBSTER CHAPMAN, III

6000 REDMAN RD.

BROCKPORT

NY 14420

Disposal Owner(s)

WEBSTER CHAPMAN, III

ZZ

Operators

Current Operator(s)

UNKNOWN3

ZZ

NEW YORK
state department of
HEALTH

Nirav R. Shah, M.D., M.P.H.
Commissioner

Sue Kelly
Executive Deputy Commissioner

September 19, 2012

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

Re: **Site Management Plan and Final Engineering Report**
Sweden 3 Chapman
Site # 828040A
Sweden (T), Monroe County

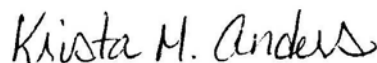
Dear Mr. Cruden:

Per your Department's request, staff reviewed the September 2012 *Site Management Plan* and the *Final Engineering Report* for the referenced site. Based on that review, I understand that remedial actions to properly construct and close the landfill have been completed. Specifically, a soil cover system was constructed as part of the Part 360 regulations and landfill closure.

Human exposures to residual soil, groundwater and soil vapor contamination are being addressed under the Site Management Plan, which includes an environmental easement on the property and two off-site properties. This easement requires the following: (a) a prohibition of vegetable gardens and farming, including cattle and dairy farming, on the properties; (b) compliance with an approved site management plan; (c) a restriction on the use of groundwater as a source of either potable or process water; (d) an evaluation of the potential for soil vapor intrusion for any buildings developed on the site and mitigation, if necessary; (e) maintenance of the existing soil cover across the site; and (f) annual certification by the property owner to the New York State Department of Environmental Conservation that the institutional and engineering controls remain effective.

If these provisions of the *Site Management Plan* are implemented, I believe that appropriate measures are in place for the continued management of human exposures to contamination remaining at the site. If you have any questions, please contact me at (518) 402-7860.

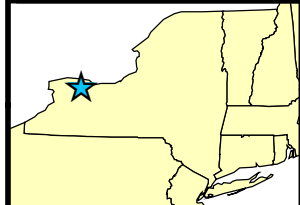
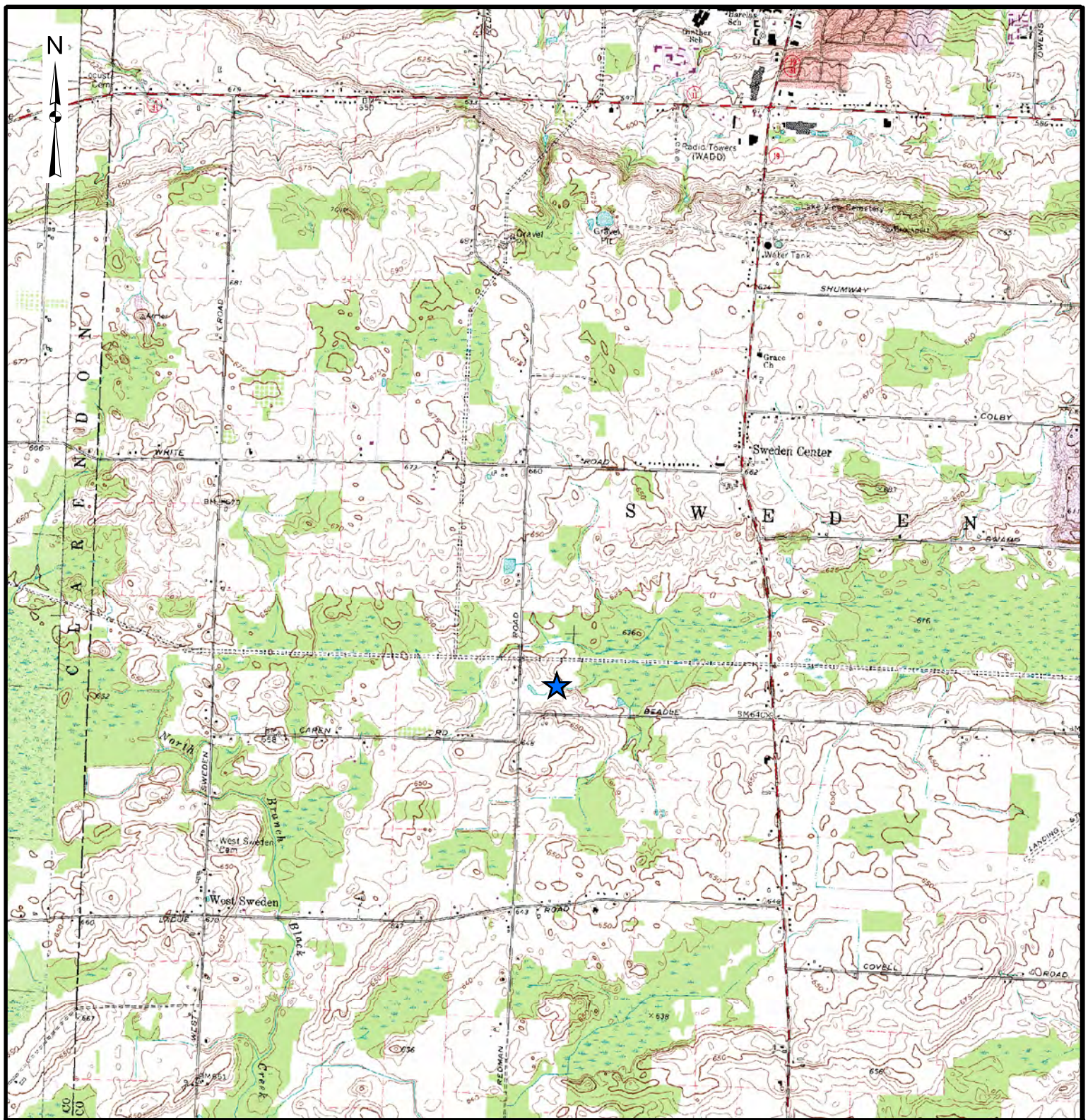
Sincerely,



Krista M. Anders, Acting Director
Bureau of Environmental Exposure Investigation

cc: A. Salame-Alfie, Ph.D.
J. Kenney / e-File
R. Van Houten – NYSDOH WRO
J. Kosmala – MCHD
G. Burke / D. Chiusano – NYSDEC Central Office
B. Putzig – NYSDEC Region 8

P:\Bureau\Sites\Region_8\MONROE\828040A\SMP and FER\SMP_FER_approval.pdf



LEGEND

★ Site Location

0 0.25 0.5 Miles

Source: USGS



SWEDEN-3 CHAPMAN SITE (8-28-040A) SITE MANAGEMENT PLAN SWEDEN, NEW YORK

FIGURE 1 SITE LOCATION MAP

PROJECT MGR:
CJC

DESIGNED BY:
MJS

CREATED BY:
MJS

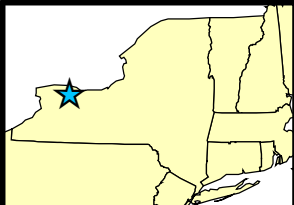
CHECKED BY:
MES

SCALE:
AS SHOWN

DATE:
FEBRUARY 2011

PROJECT NO:
14474.27

FILE NO:
GIS/PROJECTS/
FIGURE1.MXD



Legend

- Monitoring Well Sampled July 2010
- Injection Well Sampled July 2010

0 125 250 500 Feet

Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)



SWEDEN-3 CHAPMAN SITE (8-28-040A)
GROUNDWATER MONITORING REPORT
SWEDEN, NEW YORK

FIGURE 2
SITE MAP

PROJECT MGR:
SEF

DESIGNED BY:
MES

CREATED BY:
MES

CHECKED BY:
SEF

SCALE:
AS SHOWN

DATE:
SEPTEMBER 2010

PROJECT NO:
14474.27

FILE NO:
GIS/PROJECTS/
FIGURE2.MXD

Map Notes:

1. Boundary information shown hereon was compiled from an actual field survey conducted during the week of August 1, 2011 through August 3, 2011.
2. North orientation and bearing base per map reference no. 1.
3. Vertical datum shown was taken from map reference no. 1.
4. Coordinates shown hereon are New York State Plane Coordinates, West Zone NAD83 as established by GPS observations performed on the site in the month of August 2011.
5. Parcel is subject to any right, title or interest the Town of Sweden and the traveling public may have in and to that portion of Beadle Road (County Route 231 and Redman Road (County Route 236) that exists within 1.5 rods of the existing centerline of pavement.
6. No attempt was made to locate any underground utilities.
7. This survey was prepared without the benefit of an up to date abstract of title or title report and is therefore subject to any easements, covenants, restrictions or any statement of fact that such documents may disclose.
8. Wetlands shown hereon were delineated by C.T. Male Associates and were field located by C.T. Male Associates survey crew during the week of August 1, 2011 through August 3, 2011.
9. Monitor wells, soil borings, soil vapor and associated elevations and coordinates were established from map reference no. 1. Monitor well 3D and 3I were not found on the date of this survey. Monitor wells MW-NE, MW-SE, MW-NW and MW-SW were found and field located by C.T. Male Associates.
10. The engineering and institutional controls for this Easement are set forth in the Site Management Plan (SMP). A copy of the SMP must be obtained by any party with an interest in the property. The SMP can be obtained from NYS department of Environmental Conservation, Division of Environmental Remediation, Site Control Section, 625 Broadway, Albany, New York, 12233 or at ecare@nys.dec.state.ny.us <ecare@nys.dec.state.ny.us> or ecare@nys.dec.state.ny.us.

Map References:

1. "ALTA/ACSM Land Title Survey Sweden - 3 Chapman Site Being Portion of Lots 3 & 6 of the 6th Section, Township 3 of The Triangle Tract" Town of Sweden, County of Monroe, State of New York prepared by Popl Consulting Engineers & Surveyors dated March 2008.
2. "Topographic Map Sweden 3 Chapman Site Prepared for Empire GEO Services 60 Miller Street Corland, NY 13045" Town of Sweden, County of Monroe, State of New York prepared by Wendel Duchscherer dated October 6, 2006.

Legal Parcel - Subject to Environmental Easement for NYSDC Site No. 828040A (Sweden - 3 Chapman Site)

All that piece or parcel of property, situate in the Town of Sweden, County of Monroe, State of New York, being a portion of lands owned by George S. Luce, III as recorded in Liber 6156 of Deeds, at Page 53 on file in the Monroe County Clerk's Office and also part of Lot 3 and Lot 6, of the 6th Section, Township 3 of the Triangle Tract, and more particularly described as follows:

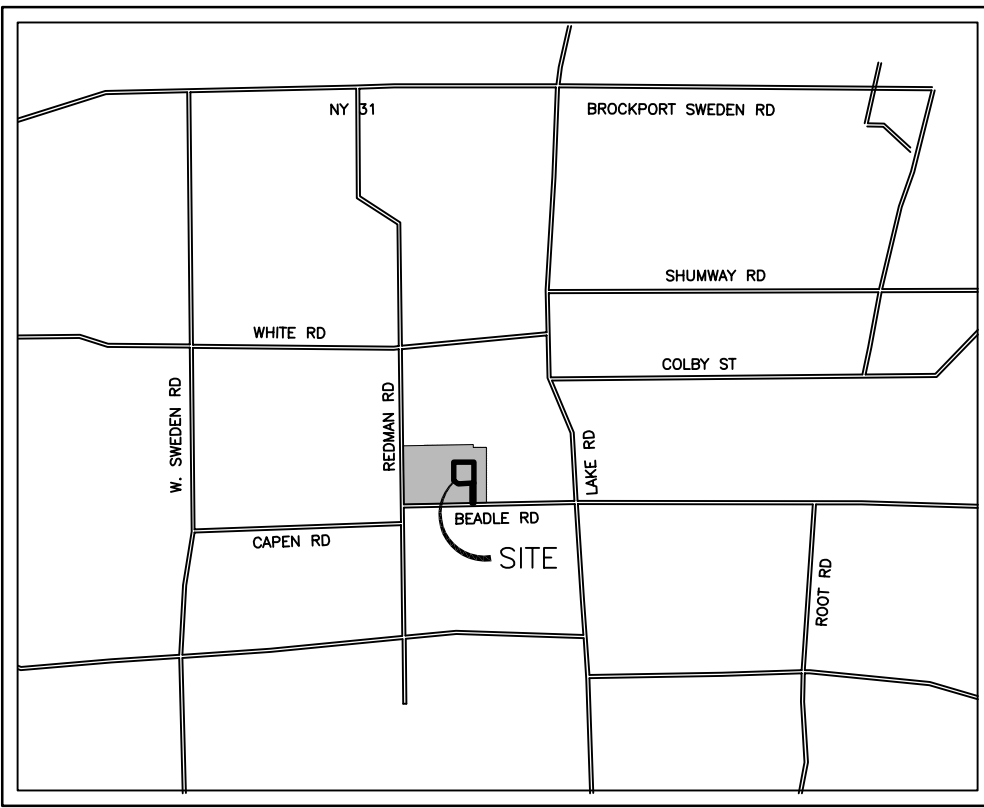
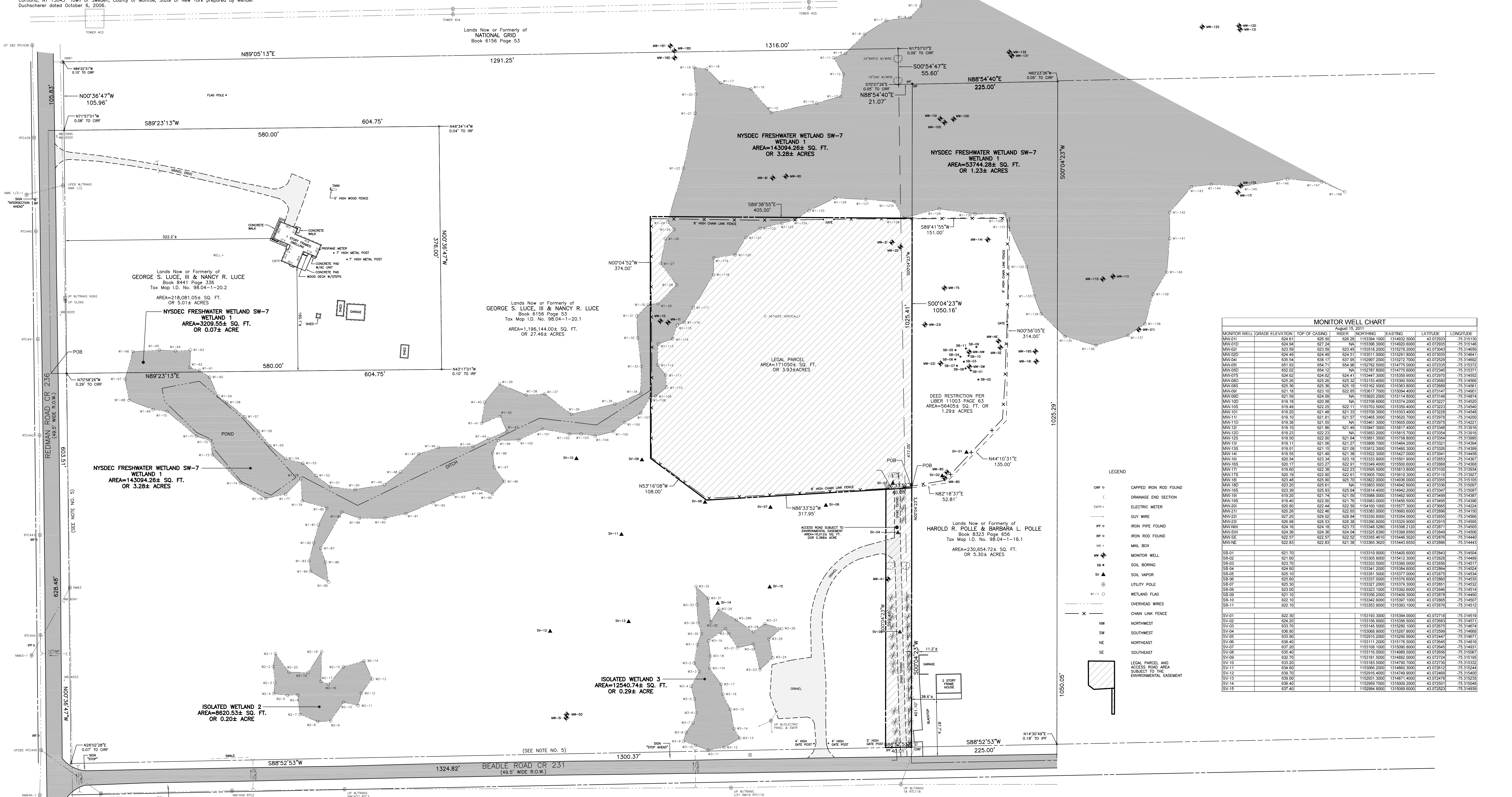
COMMENCING at a point on the northerly right-of-way of County Route 231 (Beadle Road), an existing county highway 49.5 feet wide, at its intersection with the division line between the property of George S. Luce, III (reputed owner) on the west and the property of Harold R. Polle & Barbara L. Polle (reputed owners) on the east, thence North 0 deg. 04 min. 23 sec. East along the last mentioned division line a distance of 401.10 feet to the point of BEGINNING, thence; Through the property of George S. Luce, III (reputed owner) the following four (4) courses and distances:

1. South 86 deg. 33 min. 52 sec. West a distance of 317.95 feet to a point, thence;
 2. North 53 deg. 16 min. 08 sec. West a distance of 108.00 feet to a point, thence;
 3. North 0 deg. 04 min. 52 sec. West a distance of 374.00 feet to a point, thence;
 4. South 88 deg. 38 min. 55 sec. East a distance of 405.00 feet to a point on the first mentioned division line, thence;
- South 0 deg. 04 min. 23 sec. West, along the first mentioned division line, 417.05 feet to the point or place of beginning, containing 3.927 acres of land, more or less.

Access Road to Legal Parcel Subject to Environment Easement - Subject to NYSDC Site No. 828040A (Sweden - 3 Chapman Site)

All that piece or parcel of property, situate in the Town of Sweden, County of Monroe, State of New York, being a portion of lands owned by George S. Luce, III as recorded in Liber 6156 of Deeds, at Page 53 on file in the Monroe County Clerk's Office and also part of Lot 3 and Lot 6, of the 6th Section, Township 3 of the Triangle Tract, and more particularly described as follows:

BEGINNING at a point on the northerly right-of-way of County Route 231 (Beadle Road), an existing county highway being 49.5 feet wide, at its intersection with the division line between the property of George S. Luce, III (reputed owner) on the west and the property of Harold R. Polle & Barbara L. Polle (reputed owners) on the east, thence North 0 deg. 04 min. 23 sec. East along the last mentioned division line a distance of 401.10 feet to a point, thence; South 86 deg. 33 min. 52 sec. West, coincident with the southerly boundary of a deed restriction parcel, mapped by Popl Design Group and dated February 10, 2011, a distance of 40.08 feet to a point, thence; South 0 deg. 04 min. 23 sec. West through the property of George S. Luce, III (reputed owner) on a line parallel to and at all points 40.00 feet distant westerly from the first mentioned division line, a distance of 391.45 feet to a point on the first mentioned right-of-way, thence North 88 deg. 52 min. 53 sec. East along said right-of-way a distance of 40.01 feet to the point or place of beginning and containing 0.358 acre of land more or less.



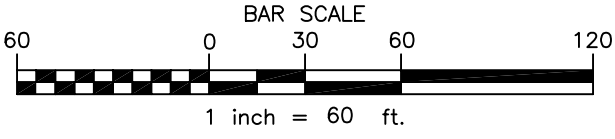
MONITOR WELL CHART						
August 15, 2017						
MONITOR WELL	GRADE ELEVATION	TOP OF CASING	RISER	NORTHING	EASTING	LATITUDE LONGITUDE
MW-011	824.61	826.50	626.28	1153394.1000	1314852.2000	43.072533 -75.315136
MW-012	824.54	827.24	NA	1153398.3000	1314850.0000	43.072535 -75.315146
MW-021	823.59	823.59	626.28	1153518.2000	1315278.2000	43.073043 -75.314659
MW-022	824.40	824.49	NA	1153511.0000	1315281.8000	43.073035 -75.314641
MW-041	835.54	838.17	837.85	1152897.2000	1315272.7000	43.072529 -75.314662
MW-051	861.83	864.71	864.96	1152762.5000	1314775.0000	43.072335 -75.315372
MW-052	852.02	854.12	NA	1152787.8000	1314775.0000	43.072460 -75.315371
MW-07S	824.62	824.62	824.41	1153447.3000	1315358.9000	43.072970 -75.314552
MW-08S	825.26	825.26	825.30	1153153.4000	1315358.5000	43.072865 -75.314666
MW-08S	825.36	825.36	825.19	1153162.5000	1315363.8000	43.072869 -75.314661
MW-09	821.18	823.10	822.85	1153177.7000	1315368.4000	43.072471 -75.314661
MW-09S	821.58	824.08	NA	1153262.2000	1315114.8000	43.073149 -75.314874
MW-10S	816.18	820.98	NA	1153708.6000	1315374.2000	43.073227 -75.314620
MW-10S	816.18	822.25	822.11	1153703.5000	1315381.4000	43.073223 -75.314640
MW-101	816.20	821.48	821.33	1153709.3000	1315393.4000	43.073228 -75.314548
MW-111	816.10	821.91	821.57	1153465.3000	1315601.7000	43.072978 -75.314620
MW-11D	819.38	821.55	NA	1153461.3000	1315605.0000	43.072975 -75.314221
MW-121	819.10	821.86	821.49	1153847.3000	1315817.4000	43.073348 -75.315916
MW-12D	819.23	822.23	NA	1153853.0000	1315815.7000	43.073354 -75.315918
MW-12S	819.50	822.00	821.64	1153851.3000	1315788.8000	43.073354 -75.315950
MW-131	819.11	821.56	821.27	1153868.7000	1315446.2000	43.073321 -75.314554
MW-13S	819.01	821.15	821.06	1153812.3000	1315460.3000	43.073326 -75.314399
MW-141	819.55	821.49	821.38	1153522.3000	1315427.0000	43.073041 -75.314658
MW-151	820.54	823.34	823.19	1153533.8000	1315501.9000	43.072953 -75.314671
MW-15S	820.17	823.27	822.91	1153549.4000	1315505.6000	43.072955 -75.314638
MW-171	819.60	822.38	822.25	1153566.5000	1315613.8000	43.073100 -75.315054
MW-17S	820.19	822.80	822.61	1153565.7000	1315618.3000	43.073103 -75.315027
MW-18	823.48	826.80	825.70	1153622.0000	1314808.0000	43.073555 -75.315126
MW-18D	823.20	825.41	NA	1153603.3000	1314665.8000	43.073336 -75.315097
MW-18S	823.39	825.93	825.64	1153614.4000	1314662.2000	43.073347 -75.315097
MW-19	819.60	821.74	821.56	1153589.0000	1315465.0000	43.073469 -75.314387
MW-19S	819.40	822.00	821.76	1153583.0000	1315466.5000	43.073495 -75.314366
MW-201	820.80	822.44	822.50	1154190.1000	1315577.3000	43.073855 -75.314224
MW-211	820.20	822.40	822.05	1153583.3000	1315660.8000	43.073866 -75.314580
MW-221	827.20	828.02	828.54	1153330.8000	1315384.0000	43.073855 -75.314666
MW-231	826.98	828.36	828.36	1153390.0000	1315358.9000	43.073915 -75.314655
MW-NW	824.18	824.18	823.73	1153348.5280	1315398.2120	43.073871 -75.314605
MW-SW	824.38	824.38	824.04	1153325.8360	1315386.6000	43.073849 -75.314566
MW-SE	822.57	822.57	822.52	1153355.4810	1315446.5000	43.072879 -75.314440
MW-NE	822.83	822.83	821.38	1153365.3620	1315443.6550	43.072886 -75.314443
SB-01	821.70			1153319.8000	1315460.6000	43.072843 -75.314504
SB-02	821.60			1153395.9000	1315412.3000	43.073028 -75.314488
SB-03	821.70			1153333.5000	1315396.0000	43.072895 -75.314517
SB-04	824.60			1153341.2000	1315384.0000	43.072864 -75.314524
SB-05	826.10			1153391.5000	1315377.8000	43.072975 -75.314634
SB-06	825.60			1153337.0000	1315376.6000	43.072860 -75.314535
SB-07	825.30			1153327.2000	1315376.3000	43.072861 -75.314532
SB-08	823.00			1153323.1000	1315362.8000	43.072846 -75.314514
SB-09	821.10			1153336.2000	1315460.3000	43.072876 -75.314660
SB-10	822.10			1153342.8000	1315387.1000	43.072865 -75.314607
SB-11	822.10			1153353.9000	1315393.1000	43.072875 -75.314512
SV-01	822.30			1153193.3000	1315384.0000	43.072718 -75.314519
SV-02	824.20			1153196.8000	1315386.0000	43.072683 -75.314571
SV-03	833.70			1153145.0000	1315286.1000	43.072675 -75.314674
SV-04	836.80			1153063.8000	1315287.6000	43.072599 -75.314668
SV-05	833.80			1153115.2000	1315280.9000	43.072471 -75.314671
SV-06	836.40			1153111.2000	1315176.5000	43.072645 -75.314618
SV-07	837.20			1153108.1000	1315168.0000	43.072645 -75.314601
SV-08	835.40			1153116.0000	1314686.8000	43.072656 -75.315097
SV-09	832.70			1153181.5000	1314862.0000	43.072724 -75.315195
SV-10	833.20			1153183.5000	1314786.7000	43.072730 -75.315332
SV-11	834.60			1153066.2000	1314860.3000	43.072612 -75.315244
SV-12	836.70			1152916.4000	1314749.9000	43.072480 -75.314608
SV-13	836.00			1152901.3000	1314871.4000	43.072478 -75.315235
SV-14	836.40			1152899.7000	1315006.2000	43.072601 -75.315040
SV-15	837.40			1152884.3000	1315008.0000	43.072523 -75.314608

I certify to the following that this survey has been prepared in accordance with the Code of Practice for Land Surveys adopted by the N.Y.S. Association of Professional Land Surveyors as last revised.

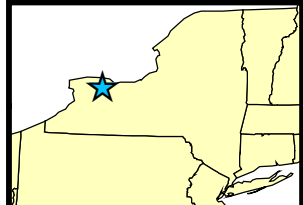
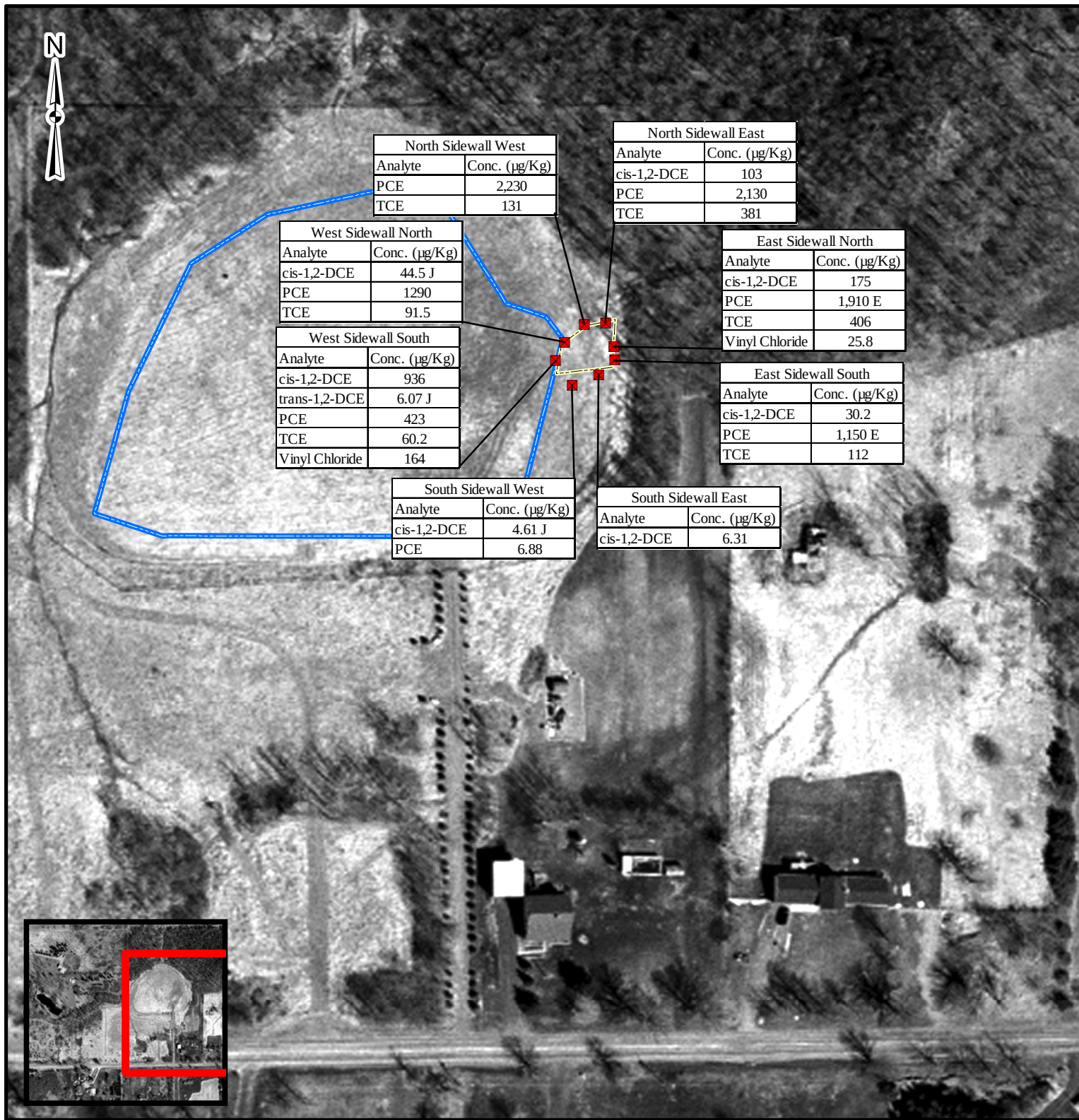
Certify To:
The People of the State of New York Acting through its Commissioner of the Department of Environmental Conservation

Bruce G. Wells PLS No. 49828

Date



BRUCE G. WELLS PLS NO. 49828	DATE 9/11/11 9/14/11	REVISIONS RECORD/DESCRIPTION REV. TITLE BLOCK ADDED EASEMENT DESCRIPTIONS REVISED TITLE BLOCK AND MISC. REVISIONS	DRAFTER CMR	CHECK BGW	APPR BGW	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW. © 2011 C.T. MALE ASSOCIATES APPROVED: _____ DRAFTED: SMW CHECKED: CMR PROJ. NO.: 11.1336 SCALE: 1"=60' DATE: AUG. 3, 2011	ENVIRONMENTAL EASEMENT PORTION OF LANDS NOW OR FORMERLY OF GEORGE S. LUCE, III AND NANCY R. LUCE NYSDC SITE NO. 828040A SWEDEN-3 CHAPMAN SITE TOWN OF SWEDEN MONROE COUNTY, NEW YORK C.T. MALE ASSOCIATES Engineering, Surveying, Architecture & Landscape Architecture, P.C. 50 CENTURY HILL DRIVE, LATHAM, NY 12110 518.786.7400 • FAX 518.786.7298	SHEET 1 OF 1 DWG. NO: 11-385
---------------------------------	----------------------------	---	----------------	--------------	-------------	--	---	------------------------------------



Legend

- Approximate Edge of Landfill
- Excavation Boundary
- Confirmatory Soil Sampling Location

0 25 50 100 Feet

Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)



SWEDEN-3 CHAPMAN SITE (8-28-040A)
FINAL ENGINEERING REPORT
SWEDEN, NEW YORK

FIGURE 3
EXCAVATION AREA AND
ENDPOINT SAMPLING LOCATIONS

PROJECT MGR:
SEF

DESIGNED BY:
MES

CREATED BY:
MES

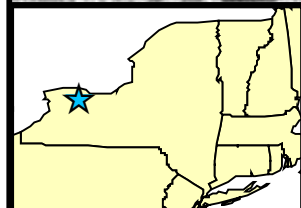
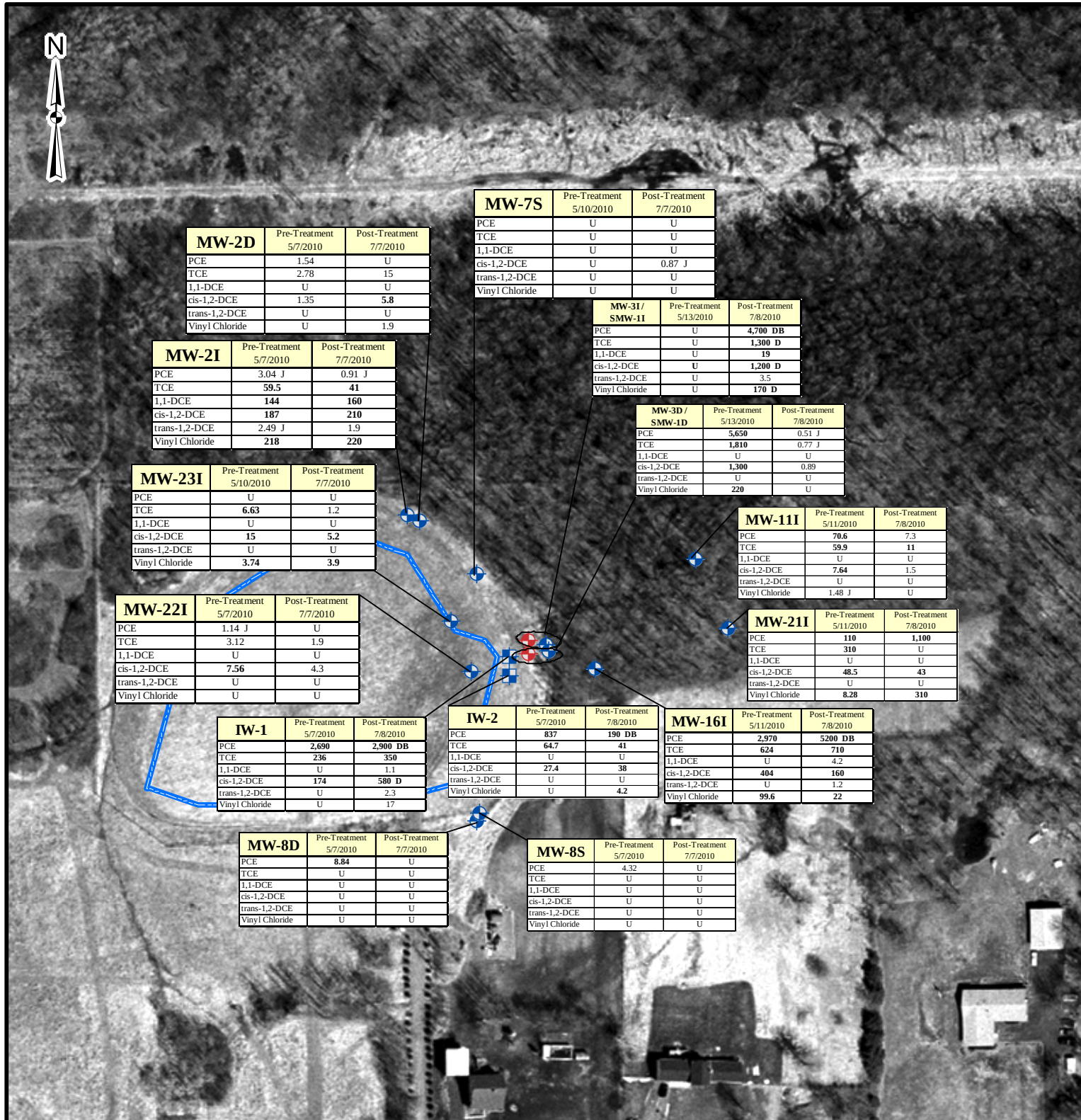
CHECKED BY:
SEF

SCALE:
AS SHOWN

DATE:
SEPTEMBER 2010

PROJECT NO:
14474.33

FILE NO:
GIS/PROJECTS/
FIGURE7.MXD



Legend

- Monitoring Wells
- Injection Well
- Monitoring Wells Sampled May 2010 and Decommissioned

Note: MW-3I and MW-3D were decommissioned during the 2010 Remedial Action

Feet
0 2550 100

Source: NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC)



SWEDEN-3 CHAPMAN SITE (8-28-040A) GROUNDWATER MONITORING REPORT SWEDEN, NEW YORK

FIGURE 4 MAY 2010 AND JULY 2010 VOC CONCENTRATIONS

PROJECT MGR:
SEF

DESIGNED BY:
MES

CREATED BY:
MES

CHECKED BY:
SEF

SCALE:
AS SHOWN

DATE:
SEPTEMBER 2010

PROJECT NO:
14474.27

FILE NO:
GIS/PROJECTS/
FIGURE3.MXD

TABLE 2 SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES COLLECTED MAY 2010, JULY 2010 AND JANUARY 2011

Test Parameters USEPA Method 8260	Client ID:	8-28-040A-MW-2I						8-28-040A-MW2D						8-28-040A-MW7S						NYSDEC AWQS Class GA (µg/L)	
	Lab ID:	6508		J1386-03A		K0037-03A		6509		J1386-04A		K0037-04A		6566		J1386-05A		K0037-05A			
	Sample Type:	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater			
	Collect Date:	5/7/2010		7/7/2010		1/10/2011		5/7/2010		7/7/2010		1/10/2011		5/10/2010		7/7/2010		1/10/2011			
1,1,1-Trichloroethane (µg/L)		30.7		41		31			U		U		U		U		U		U	5 (s)	
1,1,2-Trichloroethane (µg/L)			U	0.54	J	0.53	J		U		U		U		U		U		U	1 (s)	
1,1-Dichloroethane (µg/L)		144		160	J	150			U		U		U		U		U		U	5 (s)	
1,1-Dichloroethene (µg/L)			U	2.6		1.7			U		U		U		U		U		U	5 (s)	
1,2,4-Trimethylbenzene (µg/L)			U		U		U		U		U		U		U		U		U	5 (s)	
1,2-Dibromo-3-chloropropane (µg/L)			U		UJ		U		U		U		U		U		U		U	0.04	
1,2-Dichlorobenzene (µg/L)			U		U		U		U		U		U		U		U		U	1.8	
1,4-Dichlorobenzene (µg/L)			U		UJ		U		U		U		U		U		U		U	3	
2-Butanone (µg/L)			U	21	J		R		U		R		R				R		R	---	
Acetone (µg/L)			U		R		R		U		U		R		U		U		R	50	
Benzene (µg/L)		1.72		1.3		1.3			U		U		U		U		U		U	1 (s)	
Bromodichloromethane (µg/L)			U		U		U		U		U		U		U		U		U	50	
Carbon disulfide (µg/L)			U		U		U		U		U		U		U		U		U	---	
Chloroethane (µg/L)			U	2.9		1.1			U		U		U		U		U		U	5 (s)	
cis-1,2-Dichloroethene (µg/L)		187		210		150		1.35	J		5.8		U		U		0.87	J		U	5 (s)
Ethylbenzene (µg/L)		4.19		3.1		3.5			U				U		U		U		U	5 (s)	
m,p-Xylene (µg/L)		2.28	J	1.4		1.6			U				U		U		U		U	5 (s)	
o-Xylene (µg/L)			U	0.64	J	0.76	J		U				U		U		U		U	5 (s)	
Tetrachloroethene (µg/L)		3.04	J	0.91	J	0.99	J	1.54	J				U		U		U		U	5 (s)	
Toluene (µg/L)			U		U		U		U				U		U		U		U	5(s)	
trans-1,2-Dichloroethene (µg/L)		2.49	J	1.9			U		U				U		U		U		U	5 (s)	
Trichloroethene (µg/L)		59.5		41	J	54		2.78			15		0.84	J		U			U	5 (s)	
Trichlorofluoromethane (µg/L)			U		UJ		UJ		U		UJ		UJ		U		UJ		UJ	5 (s)	
Vinyl chloride (µg/L)		218		220	D	150	J		U		1.9			UJ		U			UJ	2 (s)	
Xylene (Total) (µg/L)			U	2.1		2.4			U				U		U		U		U	5 (s)	

Test Parameters USEPA Method 8260	Client ID:	8-28-040A-MW8S						8-28-040A-MW8D						8-28-040A-MW-11I						NYSDEC AWQS Class GA (µg/L)
	Lab ID:	6513		J1386-07A		K0037-07A		6514		J1386-06A		K0037-06A		6607		J1386-09A				
	Sample Type:	Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater				
	Collect Date:	5/7/2010		7/7/2010		1/10/2011		5/7/2010		7/7/2010		1/10/2011		5/11/2010		7/8/2010		1/11/2011		
1,1,1-Trichloroethane (µg/L)			U		U		U		U		U		U		U		U		U	5 (s)
1,1,2-Trichloroethane (µg/L)			U		U		U		U		U		U		U		U		U	1 (s)
1,1-Dichloroethane (µg/L)			U		U		U		U		U		U		U			2.7		5 (s)
1,1-Dichloroethene (µg/L)			U		U		U		U		U		U		U				U	5 (s)
1,2,4-Trimethylbenzene (µg/L)			U		U		U		U		U		U		U		U		U	5 (s)
1,2-Dibromo-3-chloropropane (µg/L)			U		U		U		U		U		U		U		U		U	0.04
1,2-Dichlorobenzene (µg/L)			U		U		U		U		U		U		U		U		U	1.8
1,4-Dichlorobenzene (µg/L)			U		U		U		U		U		U		U		U		U	3
2-Butanone (µg/L)			U		R		R		U		R		R				R		R	---
Acetone (µg/L)			U		U		R		U		U		R		8.91	JB	U		R	50
Benzene (µg/L)			U		U		U		U		U		U		U		U		U	1 (s)
Bromodichloromethane (µg/L)			U		U		U		U		U		U		U		U		U	50
Carbon disulfide (µg/L)			U		U		U		U		U		U		U		U		U	---
Chloroethane (µg/L)			U		U		U		U		U		U		U		U		U	5 (s)
cis-1,2-Dichloroethene (µg/L)			U		U		U		U		U		U		7.64		1.5		25	5 (s)
Ethylbenzene (µg/L)			U		U		U		U		U		U		U		U		U	5 (s)
m,p-Xylene (µg/L)			U		U		U		U		U		U		U		U		U	5 (s)
o-Xylene (µg/L)			U		U		U		U		U		U		U		U		U	5 (s)
Tetrachloroethene (µg/L)		4.32			U		U		8.84				U		70.6		7.3		210	5 (s)
Toluene (µg/L)			U		U		U		U		U		U		U		U		U	5(s)
trans-1,2-Dichloroethene (µg/L)			U		U		U		U		U		U		U		U		U	5 (s)
Trichloroethene (µg/L)			U		U		U		U		U		U		59.9		11		190	5 (s)
Trichlorofluoromethane (µg/L)			U		UJ		UJ		U		UJ		UJ		U		UJ		UJ	5 (s)
Vinyl chloride (µg/L)			U		U		UJ		U		U		UJ		1.48	J		5	J	2 (s)
Xylene (Total) (µg/L)			U		U		U		U		U		U		U		U		U	5 (s)

NOTE: USEPA = United States Environmental Protection Agency.
NYSDEC = New York State Department of Environmental Conservation.
AWQS = Ambient Water Quality Standard
µg/L = micrograms per liter (parts per billion).
U = The analyte was analyzed for, but was not detected above the sample reporting limit.
(s) = Value is listed as a standard value.
J = Analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
R = The sample results is rejected due to serious deficiencies. The presence or the absence of the analyte cannot be verified.
D = Dilution.
Bold values indicate that the analyte was detected above New York State Ambient Water Quality Standards.
All analytical data results provided by Mitkem Corporation.

TABLE 2 SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES COLLECTED MAY 2010, JULY 2010 AND JANUARY 2011

Test Parameters USEPA Method 8260	Client ID:	8-28-040A-MW16I						8-28-040A-MW21I						8-28-040A-MW22I						NYSDEC AWQS Class GA (µg/L)
	Lab ID:	6609		J1386-11A		K0037-10A		6606		J1386-10A		K0037-09A		6510		J1386-01A		K0037-01A		
	Sample Type:	Groundwater						Groundwater						Groundwater						
	Collect Date:	5/11/2010		7/8/2010		1/11/2011		5/11/2010		7/8/2010		1/11/2011		5/7/2010		7/7/2010		1/10/2011		
1,1,1-Trichloroethane	(µg/L)		U		U		U		U		U		U		U		U		U	5 (s)
1,1,2-Trichloroethane	(µg/L)		U		U		U		U		U		U		U		U		U	1 (s)
1,1-Dichloroethane	(µg/L)		U		0.69	J		U		3.61	J		U		2.9		U		U	5 (s)
1,1-Dichloroethene	(µg/L)		U		4.2		3.1	U		U		U		U		UJ		U		5 (s)
1,2,4-Trimethylbenzene	(µg/L)		U		U		U	U		U		U		U		U		U		5 (s)
1,2-Dibromo-3-chloropropane	(µg/L)		U		U		U	U		U		U		U		UJ		U		0.04
1,2-Dichlorobenzene	(µg/L)		U		U		U	U		U		U		U		U		U		1.8
1,4-Dichlorobenzene	(µg/L)		U		U		U	U		U		U		U		UJ		U		3
2-Butanone	(µg/L)		U		R		R	U		U		R		R		U		R		---
Acetone	(µg/L)	149	JB		U		R	22.9	B		UJ		R		U		R		R	50
Benzene	(µg/L)		U		U		U		U		U		U	0.39	J		U		U	1 (s)
Bromodichloromethane	(µg/L)		U		U		U		U		U		U		U		U		U	50
Carbon disulfide	(µg/L)		U		U		U		U		U		U		U		U		U	---
Chloroethane	(µg/L)		U		U		U		U		U		U		U		U		U	5 (s)
cis-1,2-Dichloroethene	(µg/L)	404			160		97		48.5		43.0		22		7.56		4.3		14	5 (s)
Ethylbenzene	(µg/L)		U		U		U	U		U		U		U		U		U		5 (s)
m,p-Xylene	(µg/L)		U		U		U	U		U		U		U		U		U		5 (s)
o-Xylene	(µg/L)		U		U		U	U		U		U		U		U		U		5 (s)
Tetrachloroethene	(µg/L)	2970		5,200		4,400		110		1100		150		1.14	J		U		U	5 (s)
Toluene	(µg/L)		U		U		U		U		U		U		U		U		U	5(s)
trans-1,2-Dichloroethene	(µg/L)		U		1.2		U		U		U		U		U		U		U	5 (s)
Trichloroethene	(µg/L)	624		710		590		310		U		U	180		3.12		1.9	J	1.3	5 (s)
Trichlorofluoromethane	(µg/L)		U		UJ		UJ		U		UJ		UJ		U		UJ		UJ	5 (s)
Vinyl chloride	(µg/L)	99.6		22		11	J	8.28		310		6.1	J		U		U		UJ	2 (s)
Xylene (Total)	(µg/L)		U		U		U		U		U		U		U		U		UJ	5 (s)

Test Parameters USEPA Method 8260	Client ID:	8-28-040A-MW23I						8-28-040A-SMW11 ⁽⁹⁾						8-28-040A-SMW1D						NYSDEC AWQS Class GA (µg/L)	
	Lab ID:	6567		J1386-02A		K0037-02A		6783		J1386-13A		K0037-12A		6784		J1386-12A		K0037-11A			
	Sample Type:	Groundwater						Groundwater						Groundwater							
	Collect Date:	5/10/2010		7/7/2010		1/10/2011		5/13/2010		7/8/2010		1/11/2011		5/13/2010		7/8/2010		1/10/2011			
1,1,1-Trichloroethane	(µg/L)		U		U		U		U		U		U		U		U		U	5 (s)	
1,1,2-Trichloroethane	(µg/L)		U		U		U		U		U		U		U		U		U	1 (s)	
1,1-Dichloroethane	(µg/L)	2.48			0.67	J		U		3.3		3.3		U		U		U		5 (s)	
1,1-Dichloroethene	(µg/L)		U		U		U		U		19.00		18.00		U		U		U	5 (s)	
1,2,4-Trimethylbenzene	(µg/L)		U		U		U		U		U		U		U		U		U	5 (s)	
1,2-Dibromo-3-chloropropane	(µg/L)		U		UJ		U		U		U		U		U		U		U	0.04	
1,2-Dichlorobenzene	(µg/L)		U		U		U		U		U		U		U		U		U	1.8	
1,4-Dichlorobenzene	(µg/L)		U		UJ		U		U		U		U		U		U		U	3	
2-Butanone	(µg/L)		U		R		R		U		180	J	R		U		R		R	---	
Acetone	(µg/L)	13			R		R	7.44	J		160	J	21	J	433	J		UJ		50	
Benzene	(µg/L)		U		U		U		U		0.53	J		U		U		U		1 (s)	
Bromodichloromethane	(µg/L)		U		U		U		U		U		U		U		U		U	50	
Carbon disulfide	(µg/L)		U		U		U		U		U		U		U		0.71	J		---	
Chloroethane	(µg/L)		U		U		U		U		U		U		U		U		U	5 (s)	
cis-1,2-Dichloroethene	(µg/L)	15			5.2		3.9		U		1200		890		1,300		0.89	J		5 (s)	
Ethylbenzene	(µg/L)		U		U		U		U		U		U		U		U		U	5 (s)	
m,p-Xylene	(µg/L)		U		U		U		U		U		U		U		U		U	5 (s)	
o-Xylene	(µg/L)		U		U		U		U		U		0.7	J		U		U		5 (s)	
Tetrachloroethene	(µg/L)		U		U		U		U		4700		9300		5,650		0.51	J		5 (s)	
Toluene	(µg/L)		U		U		U		U		2.9		2.8		U		U		U	5(s)	
trans-1,2-Dichloroethene	(µg/L)		U		U		U		U		3.5		3.7		U		U		U	5 (s)	
Trichloroethene	(µg/L)	6.63			1.2	J	0.74	J	U		1300		1900		1,810		0.77	J	0.71	J	5 (s)
Trichlorofluoromethane	(µg/L)		U		UJ		UJ		U		UJ		UJ		U		UJ		UJ	5 (s)	
Vinyl chloride	(µg/L)	3.74			3.90		1.4	J	U		170		120	J	220		U		UJ	2 (s)	
Xylene (Total)	(µg/L)		U		U		U		U		U		0.7	J		U		U		5 (s)	

TABLE 2 SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES COLLECTED MAY 2010, JULY 2010 AND JANUARY 2011

Test Parameters USEPA Method 8260	Client ID:	8-28-040A-IW1						8-28-040A-IW2						8-28-040A-AdjacentProperty				NYSDEC AWQS Class GA (µg/L)
	Lab ID:	6512		J1386-14A		K0037-13A		6511		J1386-15A		K0037-14A		J1386-08A		K0037-15A		
	Sample Type:	Groundwater						Groundwater						Potable Water				
	Collect Date:	5/7/2010		7/8/2010		1/10/2011		5/7/2010		7/8/2010		1/10/2011		7/7/2010		1/10/2011		
1,1,1-Trichloroethane	(µg/L)		U		U		U		U		U		U		U		U	5 (s)
1,1,2-Trichloroethane	(µg/L)		U		U		U		U		U		U		U		U	1 (s)
1,1-Dichloroethane	(µg/L)		U	2.4			U		U		U		U		U		U	5 (s)
1,1-Dichloroethene	(µg/L)		U	1.1		5.2			U		U		U		U		U	5 (s)
1,2,4-Trimethylbenzene	(µg/L)		U		U		U		U		U		U		U		U	5 (s)
1,2-Dibromo-3-chloropropane	(µg/L)		U		U		U		U		U		U		U		U	0.04
1,2-Dichlorobenzene	(µg/L)		U		U		U		U		U		U		U		U	1.8
1,4-Dichlorobenzene	(µg/L)		U		U		U		U		U		U		U		U	3
2-Butanone	(µg/L)		U	180	J		R		U	230	J		R		R		R	---
Acetone	(µg/L)		U		UJ		R		U	110	J	3.4	J		U		R	50
Benzene	(µg/L)		U	0.6	J	0.53	J		U		U		U		U		U	1 (s)
Bromodichloromethane	(µg/L)		U	1			U		U		U		U		U		U	50
Carbon disulfide	(µg/L)		U		U		U		U		U		U		U		U	---
Chloroethane	(µg/L)		U		U	1.2			U		U		U		U		U	5 (s)
cis-1,2-Dichloroethene	(µg/L)	174		580		1,700		27.4		38		51			U		U	5 (s)
Ethylbenzene	(µg/L)	21.9	J		U	21			U	5.3		1.1			U		U	5 (s)
m,p-Xylene	(µg/L)	27.7	J		U	25			U	7.8		1.2			U		U	5 (s)
o-Xylene	(µg/L)		U	11		6.6			U	0.91	J		U		U		U	5 (s)
Tetrachloroethene	(µg/L)	2,690		2,900		980		837		190		83			U		U	5 (s)
Toluene	(µg/L)		U	1.9		8.5			U	1.6			U		U		U	5(s)
trans-1,2-Dichloroethene	(µg/L)		U	2.3		16			U		U		U		U		U	5 (s)
Trichloroethene	(µg/L)	236		350		650		64.7		41		60			U		U	5 (s)
Trichlorofluoromethane	(µg/L)		U		UJ		UJ		U		UJ		U		UJ		UJ	5 (s)
Vinyl chloride	(µg/L)		U	17		150	J		U	4.2		2.1	J		U		UJ	2 (s)
Xylene (Total)	(µg/L)	27.7	U	11		31			U	8.7		1.2			U		U	5 (s)