

New York State Department of Environmental Conservation
 Division of Environmental Remediation
 Bureau of Technical Support

ADDITIONS/CHANGES TO REGISTRY: SUMMARY OF APPROVALS

SITE NAME: Volney Landfill
2
 Current Classification _____

DEC I.D. NUMBER 738003
 Volunteer Yes _____ No _____
 Sign (7) below

Activity: Add as Class _____ Reclassify to 4 (Rad) Delist Category _____ Modify _____

Approvals:

- | | | | | | |
|------------------------------------------------------|-----|-------------------------------------|----|--------------------------|-----------------|
| 1. Regional Hazardous Waste Engineer | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | <u>12-28-05</u> |
| 2. BEEI of NYSDOH | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | <u>08-19-03</u> |
| 3. DEE | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | <u>02-20-03</u> |
| 4. <u>Bob Knizek</u> Remedial Action Bureau Director | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> | <u>02-06-03</u> |

- | | | | |
|---------------------------------------------------------------------|-----------------------------|------|----------------|
| 5. Site Control Section | <u>Kelly A. Goumondouki</u> | Date | <u>1/10/06</u> |
| 6. Director | <u>Andrew J. Emfret</u> | Date | <u>1/11/06</u> |
| 7. Assistant Division Director
(Required only for Class 2 sites) | _____ | Date | _____ |

Completion Checklist for Registry Sites	Completed By:	
	Initials	Date
OWNER NOTIFICATION LETTER?	<input checked="" type="checkbox"/> BW/CA	<u>1-13-06</u>
ADJACENT PROPERTY OWNER NOTIFICATION LETTER?	<input checked="" type="checkbox"/> BW/CA	<u>1-27-06</u>
ENB / LEGAL NOTICE SENT? (For Deletion Only)	<input type="checkbox"/>	_____
COMMENTS SUMMARIZED / PLACE IN REPOSITORY?	<input type="checkbox"/>	_____
FINAL NOTIFICATION SENT TO OWNER? (For Deletion Only)	<input type="checkbox"/>	_____

SITE INVESTIGATION INFORMATION

1. SITE NAME Volney Landfill		2. SITE NUMBER 7-38-003	3. TOWN/CITY/VILLAGE Volney	4. COUNTY Oswego
5. REGION 7	6. CLASSIFICATION CURRENT [2] PROPOSED [4]		TENTATIVE & UNOFFICIAL INFORMATION INTRA/INTER AGENCY MATERIAL NOT FOR PUBLIC RELEASE	
7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)				
a. Quadrangle Pennellville		b. Site Latitude 43 ° 21 ' 25 "		c. Site Longitude 76 ° 22 ' 44 "
c. Tax Map Number(s) 220 000 0001 001 0001		d. Site Street Address Silk Road		
8. BRIEFLY DESCRIBE THE SITE (Attach site map showing disposal/sampling locations)				
Landfilling operations were conducted in a 58-acre unlined disposal are from 1969 to 1983. Most of the waste materials disposed of at the landfill consisted of residential, commercial, institutional, and light industrial wastes; however, approximately 8,000 drums from Pollution Abatement Services, a hazardous waste incineration facility located in Oswego, New York, were approved for disposal at the landfill by the New York State Department of Environmental Conservation (NYSDEC). While the approval applied only to discarded drums containing known and limited chemical residues, it was later reported that approximately 50 to 200 of these drums contained liquid waste of unknown volume and composition. The physical condition and locations of these drums in the landfill are unknown.				
a. Area 58 acres b. Completed: () Env. Property Assessment () PSA () SI () ESI () IRM () RI/FS (X) Construction () O&M () Other				
9. HAZARDOUS WASTE DISPOSED (Include EPA Hazardous Waste Numbers)				
Wastes from PAS operations. Specific contents unknown.				
10. ANALYTICAL DATA AVAILABLE				
a. () Air (X) Groundwater (X) Surface Water () Sediment (X) Soil () Waste () Leachate () EPTox () TCLP				
b. Contravention of Standards or Guidance Values				
See Attachment 1				
11. CONCLUSION				
The remedy, which is consistent with the 1987 Record of Decision (ROD) for the Volney Landfill site, as modified by a 1989 Post-Decision Document (PDD) and a 1997 Explanation of Significant Differences (ESD), called for the capping of the landfill side slopes ¹ , groundwater extraction and treatment, on an as-needed-basis, to address the intermittent groundwater contamination impacting areas immediately downgradient from the landfill, and long-term monitoring. In addition, institutional controls (i.e., deed restrictions, property acquisition, and/or local government controls) will be implemented to protect the integrity of the landfill cap and to prevent the use of contaminated groundwater downgradient from the landfill.				
¹ Since the top of the landfill was previously capped				
a. Institutional Controls (IC) Required? (X)Y ()N b. If yes, identify Deed restrictions c. Are these ICs in place and verified? (X)Y ()N				
12. SITE IMPACT DATA				
a. Nearest Surface Water: Distance 50 ft.		Direction E		Class B
b. Groundwater: Depth 15 ft.		Flow Direction ENE () Sole Source () Primary (X) Other High-Yield Aquifer		
c. Water Supply: Distance 500 ft.		Direction South Active () Yes (X) No		
d. Nearest Building: Distance 500 ft.		Direction South Use Race Track		
e. Documented fish or wildlife mortality?		() Y (X) N		h. Exposed hazardous waste? () Y (X) N
f. Impact on special status fish or wildlife resource?		() Y (X) N		i. If proposed Classification is 2, Priority? () 1 () 2 () 3
g. Controlled Site Access?		(X) Y () N		j. EPA ID# NYD980509376 HRS Score
13. SITE OWNER'S NAME Mr. Bruce Clark		14. ADDRESS Oswego County Purchasing Department, County Office Building, 46 East Bridge St., Oswego, New York 13226		15. TELEPHONE NUMBER (315) 349-8296
16. PREPARER <i>James Drumm</i> 1/21/03 Signature Date		17. APPROVED <i>Steven M. Bates</i> 8/19/03 Signature Date		
James Drumm, Environmental Engineer, NYSDEC Name, Title, Organization		Steven M. Bates, Assist. Bur. Dir., NYS DOH Name, Title, Organization		



STATE OF NEW YORK
DEPARTMENT OF HEALTH

Flanigan Square, 547 River Street, Troy, New York 12180-2216

Antonia C. Novello, M.D., M.P.H., Dr.P.H.
Commissioner

Dennis P. Whalen
Executive Deputy Commissioner

August 18, 2003

RECEIVED

AUG 22 2003

**BUREAU OF
TECHNICAL SUPPORT**

Ms. Kelly Bologna
Bureau of Hazardous Site Control
Division of Environmental Remediation
NYS Dept. of Environmental Conservation
625 Broadway, 11th Floor
Albany, NY 12233-7014

Re: Site Investigation Information
Volney Landfill
Site #738003
Volney (T), Oswego County

Dear Ms. Bologna:

Staff reviewed the February 11, 2003 Site Investigation Information Package for the Volney Landfill, (T) Volney, Oswego County. Based on that review, I understand that a Part 360 cap has been placed over the landfill and that groundwater extraction and treatment occurs on an as needed basis. A long-term groundwater monitoring program and site operation and maintenance program have also been initiated. Institutional controls restricting intrusive excavation of the landfill cap and the use of groundwater as a source of drinking water in the vicinity of the landfill have been filed with the Oswego County Clerks office.

Based on this information, I concur with the recommended reclassification of this site from a Class 2 to a Class 4. The signed decision form is enclosed.

If you have any questions, please contact Mr. Michael Rivara of my staff at (518) 402-7890.

Sincerely,

A handwritten signature in black ink, appearing to read 'Steven M. Bates', written over a horizontal line.

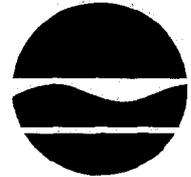
Steven M. Bates, Assistant Director
Bureau of Environmental Exposure Investigation

Enclosure

Ms. Kelly Bologna
Site #738003
August 18, 2003

cc: G. A. Carlson, Ph.D.
Mr. M. Rivara
Ms. M.J. Peachey – DEC Region 7
Mr. J. Drumm – DEC
Mr. E. Walsh – OCHD

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Erin M. Crotty
Commissioner

MEMORANDUM

TO: Robert Marino, Director, Bureau of Hazardous Site Control

FROM: George Harris, Chief, WFSS, Bureau of Construction Services
THRU: Robert C. Knizek, Acting Director, Bureau of Construction Services

SUBJECT: Site No. 7-38-003, Volney Landfill Site, Oswego County

DATE: JAN 31 2003

A Remedial Action (RA) consistent with the July 1987 ROD, August 1989 Post Decision Document (PDD) and October 2001 ESD and implemented at the Volney Landfill site by the municipality (Oswego County) was completed in September 2001. This RA has been completed in accordance with the approved plans and specifications, therefore, we recommend the site to be reclassified from a Class 2 to a Class 4.

The following remedial work was performed at the site:

- A Part 360 cap over the 44 acre landfilled side slopes. The top of the landfill had been capped in the 1980's;
- Groundwater extraction and treatment, on an as needed basis;
- Long-term monitoring program to evaluate the continued effectiveness of the remedy. This long-term monitoring program is a component of the operations and maintenance for the site and was developed in accordance with NYSDEC requirements for this type of site. This program includes sampling and analysis of groundwater from the site;
- Long-term inspection, operation and maintenance of the cap and the remedial systems;

Supporting documentation including the Remedial Action Report certification prepared by the consultant, a copy of the July 1987 Record of Decision, August 1989 PDD, October 2001 ESD and Site Investigation Information form are attached as justification for the reclassification.

If you have any questions, please call Jim Drumm at 2-9812.

Attachment

cc: J. Burke - NYSDEC, Region 7
D. Geraghty - NYSDOH



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



Site Code	738003		
Site Name	Volney Landfill	Address	Silk Road
Classification	02	City	Volney Zip 13069
Region	7	County	Oswego Town Volney
Latitude	43:21:25:0	Longitude	76:22:44:0 Estimated Size 58
Site Type	Landfill		

Site Description

Approximately 8000 drums of wastes from Pollution Abatement Services (PAS) were buried here with the approval of the landfill operator and DEC. The contents of the drums was unknown, but it was suspected that most contained organics. Investigations have determined that hazardous waste contaminants have migrated off-site, impacting both the groundwater and Bell Creek which flows adjacent to the landfill. Samples taken from nearby private drinking water wells in the early 1980s revealed contamination by organics. The site has been accepted to the National Priorities List (NPL). A Phase I Investigation and a Remedial Investigation/Feasibility Study (RI/FS) have been completed for this site. The landfill has been closed under a Part 360 closure. A USEPA Record of Decision (ROD) required capping of the side and slopes of the landfill, and the installation of a slurry wall and a leachate collection and treatment system. This ROD was signed in late 1987. The PRP's conducted a treatability study (supplemental RI) to evaluate the effectiveness of the slurry wall and the leachate treatment options. Based upon the supplemental RI, The USEPA issued an explanation of significant difference in 1997 which outlined an alternative approach to the groundwater issue. Design work for Operable Unit -1 (OU-1) has been completed. The RI for OU-2 is complete. The USEPA has issued an Explanation of Significant Differences (ESD) for the OU-2 portion of the site based upon the results of the RI for OU-2. The landfill has been fenced and capped, thus, reducing the potential for direct contact with the waste materials. Surface water controls were also significantly upgraded. The completed cap will reduce leachate generation from the site by over 99%. Leachate collection to address the downloading of moisture from the waste, will continue (the volume is expected to diminish with time). To date, approximately 2.75 million gallons of leachate have been collected and disposed of at an off-site treatment and disposal facility.

The remedy, which is consistent with the 1987 Record of Decision (ROD) for the Volney Landfill site, as modified by a 1989 Post-Decision Document (PDD) and a 1997 Explanation of Significant Differences (ESD), called for the capping of the landfill side slopes, groundwater extraction and treatment, on an as-needed-basis, to address the intermittent groundwater contamination impacting areas immediately downgradient from the landfill, and long-term monitoring. In addition, institutional controls (i.e., deed restrictions, property acquisition, and/or local government controls) will be implemented to protect the integrity of the landfill cap and to prevent the use of contaminated groundwater downgradient from the landfill.

Materials Disposed at Site

ORGANICS

8000 DRUMS

Analytical Data Available for : Groundwater, Surface Water

Applicable Standards Exceeded for: Groundwater

Assessment of Environmental Problems

The ground water in the perimeter of the site contains volatile organic compounds (VOCs) (i.e., benzene, toluene, and chlorinated hydrocarbons) and heavy metals (i.e., arsenic, barium, cadmium, chromium, mercury, and nickel). Leachate collected from the landfill contains VOCs and heavy metals. Potential pathways of exposure to these contaminants included drinking contaminated ground water and surface water, as well as accidental ingestion of contaminated soil and sediments.

Assessment of Health Problems

The landfill is presently capped and a leachate collection system is in place. Areas encompassing the former landfill disposal areas are fenced. The Oswego County Health Department continues to monitor nearby private water supplies and site contaminants have not been detected. Oswego County has purchased adjacent property to serve as a buffer. There is no consistent or definable contaminant plume coming from the landfill.

Owners**Current Owner(s)**

OSWEGO COUNTY

FULTON

NY 13069

Oswego County

46 East Bridge Street

Oswego

NY 13126

Disposal Owner(s)

Oswego County

OSWEGO

NY

Operators**Current Operator(s)**

Oswego County

46 East Bridge Street

Oswego

NY 13126