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

ADDITIONS/CHANGES TO REGISTRY: SUMMARY OF APPROVALS DEC I.D. NUMBER 738003 **Current Classification** Volunteer Yes Sign (7) below Delist Activity: Class Category Modify Approvals: 12-28-0 1. Regional Hazardous Waste Engineer Yes No 2. BEEI of NYSDOH Yes No 3. DEE Yes No 4. Bob Knizek Remedial Action 5. Site Control Section 6. Director 7. Assistant Division Director Date (Required only for Class 2 sites) Completion Checklist for Registry Sites Completed By: Initials **Date** OWNER NOTIFICATION LETTER? ADJACENT PROPERTY OWNER NOTIFICATION LETTER? ENB / LEGAL NOTICE SENT? (For Deletion Only) COMMENTS SUMMARIZED / PLACE IN REPOSITORY?

FINAL NOTIFICATION SENT TO OWNER? (For Deletion Only)



1. SITE NAME		2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY
Volney Landfill		7-38-003	Volney	Oswego
5. REGION	6. CLASSIFICATION			
	CUR	RENT [2] PROPO	SED[4] MODIFICATION x	
7. LOCATION OF SITE (Attac	h U.S.G.S. Topographic Map	showing site location)		
a. Quadrangle Pennellville	ь	. Site Latitude 43 ° 21		
c. Tax Map Number(s) 220 0	00 0001 001 0001	d. Site Street Address Silk R	toad	· · · · · · · · · · · · · · · · · · ·
8. BRIEFLY DESCRIBE THE	SITE (Attach site map showi	ng disposal/sampling location	ons)	
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 DISI			EST () INITIO (X) CONSTRUCTION () ONLY	Other
Wastes from PAS operations.		ous truste trumbers;		
10. ANALYTICAL DATA AVAI				
	(X)Surface Water ()Sedin	nent (X)Soil ()Waste ()Leachate ()EPTox ()TCLP	
	·			
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.				
Total a mangana and pagangan				
¹ Since the top of the landfill wa	is previously capped			
a. Institutional Controls (IC) Re	quired? (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: Dist	tance 50 ft.	Direction E	Class B	
b. Groundwater: Depth15	·	Flow DirectionENE		ther High-Yield Aquifer
c. Water Supply: Distance5	00ft.	Direction South	Active ()Yes (X)No	,
d. Nearest Building: Distance	ft.	Direction South	Use Race Track	
e. Documented fish or wildlife	mortality?	()Y (X)N	h. Exposed hazardous waste?	(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		14. ADDRESS	10#_141030030370	15. TELEPHONE NUMBER
Mr. Bruce Clark		!	sing Department, County Office Building, 46 East Br 13226	
16. PREPARER	en 1/2/	103	Andrew J. In the !!	uloc
Signature Date Signature Date				
James Drumm, Environmental	Engineer, NYSDEC		ANDREW J. ENGLISH O	IR. BTS
Name Title	Organization		Name Title Organization	



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Volney Landfill		7-38-003	Volney	Oswego
5. REGION	6. CLASSIFICATION			
7	CUR	RENT [2] PROPO	SED[4] MODIFICATION x	
7. LOCATION OF SITE (Attach	ı U.S.G.S. Topographic Map	showing site location)		
a. Quadrangle Pennellville	b	. Site Latitude 43 ° 21	'_25_" Site Longitude _76 ° _22 ' _44 "	
c. Tax Map Number(s) 220 00	00 0001 001 0001	d. Site Street Address Silk R	Road TENINGTON 9. INSOCRE	<u> </u>
8. BRIEFLY DESCRIBE THE S	ITE (Attach site map showing	ng disposal/sampling location	ons) MON FRACE WIRAZINTER AGENCY AL	
residential, commercial, instincineration facility located in (NYSDEC). While the approximation of the commercial in the	titutional, and light industri in Oswego, New York, were oval applied only to discare	al wastes; however, appro e approved for disposal at ded drums containing know	69 to 1983. Most of the waste materials disposition and limited chemical residues, it was later on. The physical condition and locations of the	sed of at the landfill consisted of the Services, a hazardous waste of Environmental Conservation eported that approximately 50
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a. Area 58 acres b. C	completed: () Env. Property A	kssessment () PSA () SI () I	ESI () IRM ()RI/FS (X) Construction () O&M ()Other
9. HAZARDOUS WASTE DISP	OSED (Include EPA Hazardo	ous Waste Numbers)		
Wastes from PAS operations. S	Specific contents unknown.			
10. ANALYTICAL DATA AVAIL	ABLE			
a. ()Air (X)Groundwater b. Contravention of Standard		ent (X)Soil ()Waste ())Leachate ()EPTox ()TCLP	
				,
See Attachment 1				
11. CONCLUSION				
Document (PDD) and a 1 extraction and treatment, downgradient from the la	1997 Explanation of Sig. on an as-needed-basis ndfill, and long-term mo controls) will be implem	nificant Differences (ES s, to address the intermi onitoring. In addition, in	D) for the Volney Landfill site, as modified SD), called for the capping of the landfill si ittent groundwater contamination impaction istitutional controls (i.e., deed restrictions, egrity of the landfill cap and to prevent the	de slopes¹, groundwater ng areas immediately property acquisition,
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a. Nearest Surface Water: Dista	nce 50 ft.	Direction E	ClassB	
b. Groundwater: Depth15		Flow Direction ENE		ner High-Yield Aquifer
c. Water Supply: Distance 500		Direction South	Active ()Yes (X)No	ici ingili nela ndanci
d. Nearest Building: Distance		Direction South	UseRace Track	
e. Documented fish or wildlife me		()Y (X)N	h. Exposed hazardous waste?	()Y (X)N
f. Impact on special status fish or		()Y (X)N	i. If proposed Classification is 2, Priority?	()1 ()2 ()3
g. Controlled Site Access?		(X)Y ()N	j. EPA	HRS Score
			ID# NYD980509376	
13. SITE OWNER'S NAME		14. ADDRESS	•	15. TELEPHONE NUMBER
Mr. Bruce Clark		Oswego County Purchasi St.,Oswego, New York 13	ing Department, County Office Building, 46 East Brid	ge (315) 349-8296
16. PREPARER	2m //2/		17. APPROVED 12/28	las
Signature James Drumm, Environmental E	Date	- 484 (egs - 500 cross - 500 c	Signature Base U.F. A. H. A.	FNYSDEC.
Name, Title, O	~~		Name Title Organization	En 10-7



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Volney Landfill		7-38-003	Volney	Oswego
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7	CUF	RENT [2] PROPO	DSED [4] MODIFICATION IN INC.	er agenly mailkial
7. LOCATION OF SITE (Attac			NOT FOR PUB	LIU MELEMVE
a. Quadrangle Pennellville	b	. Site Latitude 43 _ ° _21	_' 25 " Site Longitude _76_ ° _22 ' _44	
c. Tax Map Number(s) 220 0		d. Site Street Address Silk F		
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HAZARDOUS WASTE DISI Wastes from PAS operations.		ous waste numbers)		
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.				
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a. Nearest Surface Water: Dist	ance 50 ft.	Direction E	Class B	•
b. Groundwater: Depth15	ft.	Flow Direction <u>ENE</u>	()Sole Source ()Primary (X)	Other High-Yield Aquifer
c. Water Supply: Distance5	<u>00</u> ft.	Direction South	Active ()Yes (X)No	
d. Nearest Building: Distance_	500 ft.	Direction South	Use Race Track	
e. Documented fish or wildlife r	nortality?	()Y (X)N	h. Exposed hazardous waste?	(X) Y()
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		14. ADDRESS	1 (01) 11 (00)	15. TELEPHONE NUMBER
Mr. Bruce Clark			sing Department, County Office Building, 46 East E 3226	
16. PREPARER	en //2//	03	17. APPROVED in Johns	8/19/03
Signature	Date	9	Signature Date	
James Drumm, Environmental	Engineer, NYSDEC		Steven M. Bates Assist B	ur. Dir. NYSDOH
Name, Title,	Organization	r a	Name, Title, Organization	



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

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

AUG 22 2003

BUREAU OF TECHNICAL SUPPORT

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

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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1. SITE NAME		2. SITE NUMBER	3. TOWN/CITY/VILLAGE	4. COUNTY
Volney Landfill		7-38-003	Volney	OsWego.
5. REGION	6. CLASSIFICATION			ACENCY MATERIAL
7	CUR	RENT [2] PROPO	SED [4] WOOHICATION X	a dei fase
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10. ANALYTICAL DATA AVAIL		-1 000-7 ()111-1 (N -/ A CEPT CATOLO	
b. Contravention of Standard	(X)Surface Water ()Sedim is or Guidance Values	ent (X)Soil ()Waste ()Leachate ()EPTox ()TCLP	
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See Attachment 1 11. CONCLUSION				
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¹ Since the top of the landfill wa	s previously capped			
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b. Groundwater: Depth. 15		Flow Direction ENE	()Sole Source ()Primary	(X)Other High-Yield Aquifer
c. Water Supply: Distance50d. Nearest Building: Distance		Direction South Direction South	Active ()Yes (X)No	
e. Documented fish or wildlife n		()Y (X)N	Use Race Track h. Exposed hazardous waste?	()Y (X)N
f. Impact on special status fish of	•	()Y (X)N		ionity? ()1 ()2 ()3
g. Controlled Site Access?		(X)Y ()N	j. EPA	HRS Score
			ID#_NYD980509376	
13. SITE OWNER'S NAME	•	14. ADDRESS		15. TELEPHONE NUMBER
Mr. Bruce Clark		Oswego County Purchas St.,Oswego, New York 1	sing Department, County Office Building, 46 E	ast Bridge (315) 349-8296
16. PREPARER	en 1/2//		17. APPROVED	2/20/00
Signature	Date		Signature Date	
James Drumm, Environmental Engineer, NYSDEC A.F. Grant, Chief, TSB, DEFE				
Name, Title, (Organization		Name, Title, Organization	

New York State Department of Environmental Conservation

Division of Environmental Remediation

Bureau of Construction Services, 12th Floor 625 Broadway, Albany, New York 12233-7013

Phone: (518) 402-9814 • FAX: (518) 402-9819

Website: www.dec.state.ny.us



MEMORANDUM

TO:

FROM:

George Harris, Chief, WFSS, Bureau of Construction Services
THRU: Robert C. Knizek, Acting Director, Bureau of Construction Services
Site No. 7-38-003, Volney Landfill Site. Oswers

SUBJECT:

DATE:

JAN 3 1 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

Lattitude

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

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 slopes1, 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

(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	talente de la companya de la company	Operators	
Current Owner(s)		Current Operator(s)	
OSWEGO COUNTY		Oswego County	
FULTON	NY 13069	46 East Bridge Street	
TODION	141 15005	Oswego NY	13126
Oswego County			
46 East Bridge Street			
Oswego	NY 13126	$(x_{i}, x_{i}) \in \mathcal{C}_{Q_{i}} \times $	•
Disposal Owner(s)			
Oswego County			
OSWEGO	NY		