ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PHASE I INVESTIGATION

Village of Depew

Site No. 915105

Village of Depew

Erie County



Prepared for.

New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233 Thomas C. Jorling, Commissioner

Division of Hazardous Waste Remediation Michael J. O'Toole, P.E., Director

By:

ENGINEERING-SCIENCE

ENGINEERING INVESTIGATIONS AT
INACTIVE HAZARDOUS WASTE SITES
IN THE STATE OF NEW YORK
PHASE I INVESTIGATIONS

VILLAGE OF DEPEW LANDFILL

NYS SITE NUMBER 915105

VILLAGE OF DEPEW

ERIE COUNTY

NEW YORK STATE

Prepared For

DIVISION OF SOLID AND HAZARDOUS WASTE
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 WOLF ROAD
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DATE OF SUBMITTAL: JANUARY, 1988

RECENT

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VILLAGE OF DEPEW LANDFILL

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SECTION I EXECUTIVE SUMMARY

This report, prepared for the New York State Department of Environmental Conservation (NYSDEC) presents the results of the Phase I investigation for the Village of Depew Landfill (NYS Site Number 915105, no EPA Site Number given) located in the Village of Depew, Erie County, New York (see Figure I-1).

SITE BACKGROUND .

From approximately 1940 to 1961, approximately 10,000 tons per year of municipal wastes were disposed of in the Village of Depew landfill (ECDEP, Hazardous Waste Site Profile Report, 2/85; Domino, 12/10/85). The Village of Depew owned the landfill during the period when the landfill was operated. In 1983, the landfill was purchased by Erie County and approximately 60,000 cubic yards of municipal wastes were excavated from the landfill site and an overflow retention facility (ORF) was constructed on—site (ECDEP, Hazardous Waste Site Profile Report, 2/85; Domino, 12/10/85).

Hazardous wastes are not known to have been disposed of at the Village of Depew Landfill site (ECDEP, Hazardous Waste Site Profile Report, 2/85; Domino, 12/10/85). An inspection of the site conducted in April 1985 by the ECDEP did not find waste materials protruding from the landfill or evidence of leachate runoff at the site (Voell, 4/29/85). However, foundry sand from Dresser Industries was used as cover material for the landfill (Labensiki, 1/17/86). Foundry sands disposed of by Dresser Industries have previously been found to contain phenol (Landcaster Reclamation, 5/85; Land Reclamation, 5/85). Monitoring to determine if phenol is present on-site has not been conducted to date (Labenski, 1/17/86).

Environmental monitoring of the groundwater, surface water or soil has not been conducted at the site (NYSDEC, Registry Sheet, 1/10/85). In 1982, soil characterization work (borings) was conducted at the landfill site as part of the assessment work for the construction of the overflow retention facility; however, the soil samples collected during the on-site drilling were not analyzed for hazardous constituents (Drill & Test, Inc., 3/83).

During the Engineering-Science and Dames & Moore site inspection conducted in April 1986, HNu meter readings were taken upwind and downwind at the site. Volatile organics were not detected on-site in concentrations exceeding background levels of 1 ppm (ES/D&M, 4/86).

ASSESSMENT

In an attempt to quantify the risk associated with this site, we applied the Hazard Ranking System (HRS) currently being used by the New York State DEC to evaluate abandoned hazardous waste sites in New York state. This system takes into account the types of wastes at the site, receptors and transport routes to apply a numerical ranking of the site. As stated in 40CFR Subpart H Section 300.81, the HRS scoring system was developed to be used in evaluating the relative potential of uncontrolled hazardous disposal substances to cause health or safety problems or ecological or environmental damage. It is assumed by the EPA that a uniform application of the ranking system in each state will permit EPA to identify those releases of hazardous substances that pose the greatest hazard to humans or the environment.

Under the HRS, three numerical scores are computed for each site to express the relative risk or danger from the site, taking into account the population at risk; the hazardous potential of the substances at a facility; the potential for contamination of drinking water supplies; for direct human contact; and for destruction of sensitive ecological systems and other appropriate factors. The three scores are:

- o S_M reflects the potential for harm to humans or the environment from migration of a hazardous substance away from the facility by routes involving groundwater, surface water or air. It is a composite of separate scores for each of the three routes (S_{GW} = groundwater route score, S_{SW} = surface water route score, and S_A = air route score).
- o S_{FE} reflects the potential for harm from substances that can explode or cause fires.
- o $S_{\rm DC}$ reflects the potential for harm from direct contact with hazardous substances at the facility (i.e., no migration need be involved).

The preliminary HRS score is:

$$S_{M} = 0$$
 $S_{A} = 0$ $S_{E} = 0$ $S_{E} = 0$ $S_{E} = 0$

RECOMMENDATIONS

The following recommendations are made for the completion of Phase II:

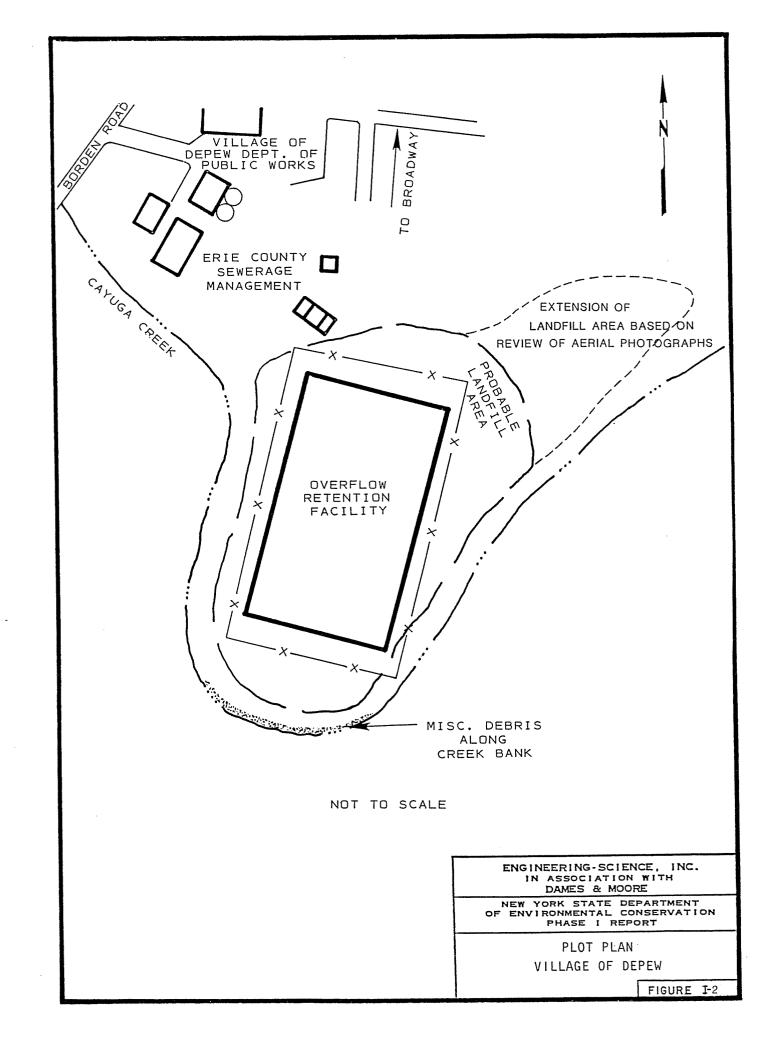
- Geophysical Survey Study consisting of electrical resistivity and magnetometer surveys
- Groundwater monitoring system consisting of one upgradient and two downgradient wells based on results of geophysical surveys
- o Surface water and sediment monitoring consisting of two monitoring stations in Cayuga Creek
- o Waste samples consisting of 6 samples (2 per bore hole) collected from two locations where landfilled materials remain

on-site and one background location. Samples will be composite samples of soil collected at the following depths: 6-12 inches, and 18-24 inches.

o Analyses to include phenols and Hazardous Substance List (HSL) metals.

The estimated man-hour requirements to complete Phase II are 1,378, while the estimated cost is \$86,744.

Playground Creek Drive-in-Theaters (Şubsta " 680/ CENTRAL DEPE. CREEK High POAD: EAIRE _660° Transit Airport (78) 20 LATITUDE: 42°53'47" N LONGITUDE: 78°42'28" W SCALE 2000 3000 4000 FEET 1000 ENGINEERING-SCIENCE, INC. IN ASSOCIATION WITH DAMES & MOORE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PHASE I REPORT SITE LOCATION MAP REFERENCE: U.S.G.S. 7.5' Topographic Map VILLAGE OF DEPEW Lancaster, NY (1965) Quadrangle FIGURE I-1



SECTION II PURPOSE

The purpose of the Phase I investigation at the Village of Depew Landfill site was to assess the hazard to the environment caused by the present condition of the site. This assessment is based on the Hazard Ranking System, which involves the compilation and rating of numerous geological, toxicological, environmental, chemical, and demographic factors and the calculation of an HRS score. Details of HRS implementation are included in Section V. During the initial portion of the investigation, available data and records, combined with information collected from a site inspection, were reviewed and evaluated. investigation at this site focused on the burial of municipal wastes in the Village of Depew landfill and the use of foundry sand potentially containing phenolic compounds as cover material at the site. Based on this initial evaluation of the Village of Depew Landfill site, a Phase II Work Plan has been prepared for collecting any additional data needed to complete the HRS score. In addition, a cost estimate for the recommended Phase II work is provided.

SECTION III SCOPE OF WORK

The scope of work for the New York State Inactive Site Investigation Program (Phase I) was to collect and review available information necessary for the documentation and preparation of a Hazard Ranking System score and a Phase II work plan and cost estimate if required. The work activities performed included data collection and review, a site inspection, and interviews with individuals knowledgeable of past and present disposal activities at the site.

The sources contacted during this Phase I investigation included government agencies (federal, state and local), present site owners and operators, and any other individuals that may have knowledge of the site, as identified during the performance of the investigation. These sources are listed in Appendix A. The intent of this list is to identify all persons, departments, and/or agencies contacted during the fourth round of the Phase I investigation even though useful information may not have been collected from each source contacted.

SECTION IV SITE ASSESSMENT

SITE HISTORY

The Village of Depew Landfill, approximately five acres in size, was owned by the Village of Depew from 1940 to 1961 and was used for the disposal of municipal waste (Domino, 12/10/85; ECDEP, Hazardous Waste Site Profile Report, 2/19/85). In 1983, the Village of Depew sold the site to Erie County which excavated approximately 60,000 cubic yards of municipal waste from the landfill and constructed an overflow retention facility at the site. Excavated wastes were disposed of in the BFI landfill (Niagara Landfill) located in Tonawanda (Domino, 12/85). Based on inspections conducted by ECDEP, it appears that not all municipal wastes were not excavated (Voell, 4/29/85; ECDEP, Hazardous Waste Site Profile Report, 2/85).

SITE TOPOGRAPHY

The Village of Depew site is located at 315 Borden Road, Village of Depew, Erie County, New York. Prior to construction of the Overflow Retention Facility, the ground surface was slightly elevated rising from the site access road, and sloping to the west into Cayuga Creek. The Erie County Overflow Retention Facility occupies approximately a 3/4 acre area of this site. Excavation and construction of the facility has changed the site topography in the vicinity of the Overflow Retention Facility (ES and D&M site visit, 1985 and ECDEP Hazardous Waste Site Profile Report, 2/85).

The 5-acre site is located in the north side of an oxbow bend in Cayuga Creek. The area is primarily suburban/rural. Areas to the

immediate east and west are open fields. North of the site is residential; south of the site is Cayuga Creek. South of Cayuga Creek are residential areas (ES and D&M Site Inspection, 12/10/85; USGS Topographic Map: Lancaster Quadrangle, 1965).

Surface runoff is primarily to the south, west and east into the Cayuga Creek. An overflow basin outfall is channeled into the Cayuga Creek on the east side of the site. The site is located within a 100 year floodplain (ES and D&M site visit, 1985; ECDEP Hazardous Waste Site Profile Report, 2/85).

Local Sensitive Environments

A NYS registered wetland is located approximately 0.8 miles north-west of the site. The wetland is designated as LA-7 (NYS Wetlands Map, 1984; McMurry, 1/3/86).

SITE HYDROLOGY

Regional Geology and Hydrology

The site is located in the Erie-Ontario lowlands physiographic province. The bedrock of this region is predominantly limestone, dolostone, and shale. Most of the rocks are deep aquifers with regional flow to the south (NYS Museum and Science Service Bedrock Geology Map, 1970).

In the recent past, most of New York State, including the site, has been repeatedly covered by a series of continental ice sheets. The activity of the glacier widened pre-existing valleys and deposited widespread accumulations of till. The melting of ice, ending approximately 12,000 years ago, produced large volumes of meltwater; this water subsequently shaped channels and deposited thick accumulations of stratified, granular sediments.

As glacial ice retreated from the region, meltwater formed lakes in front of the ice margin. The Erie County region is covered by lake sediments resulting from these glacial lakes; the most recent being from Lake Warren (a larger predecessor to Lake Ontario and Lake Erie). The sediments consist of blanket sands and beach ridges which are occasionally underlain by lacustrine silts and clays (indicating quiet, deeper water deposition).

Granular deposits in this region frequently act as shallow aquifers, whereas lacustrine clays, as well as tills, often inhibit groundwater movement. However, fine-grained, water-lain sediments, such as silts and clays, frequently contain horizontal laminations and sand seams. These internal features facilitate lateral groundwater movement through otherwise low permeability materials (LaSala, 1968; Johnston, 1964).

Site Hydrogeology

The site is underlain by Devonian-aged Onondaga Limestone. Depth to top of bedrock was measured at 19 feet and 25 feet at the northern and southern site boundaries respectively. The limestone unit is generally fractured and jointed forming a deep aquifer (Drill & Test, Inc., 3/83).

Boring logs indicate that the bedrock is overlain by a silty, clayey till unit which is in turn overlain by lenses of alluvial sand and gravel deposits from Cayuga Creek. The overburden is variable in sand and gravel content, therefore, permeability across the site would be variable. The alluvium grades upward to fine sand and silt (Drill & Test, Inc., 3/83). Approximately ten feet of waste material was placed on top of the alluvium.

Although the fine-grained character of the upper alluvium sediment may have a low permeability (assumed to be 10^{-3} cm/sec to 10^{-5} cm/sec for HRS scoring) its uneven thickness and distribution allows for the probable hydraulic connection between the seasonally high water tables

occuring within the overburden and the bedrock aquifer (Freeze, R.A. and J.A. Cherry, 1979). Observation wells installed prior to the construction of the overflow retention facility indicate that the water table ranged from a depth of approximately 3 to 17 feet below ground surface (Drill & Test, Inc., 3/83).

SITE CONTAMINATION

From approximately 1940 to 1961, municipal wastes were disposed of in the Village of Depew Landfill. Based on the information available for the site and interviews of ECDEP personnel, no hazardous wastes are known to be disposed of in the landfill (ECDEP, Hazardous Waste Site Profile Report, 2/85; Voell, 4/29/85). In 1983, approximately 60,000 cubic yards of municipal wastes were excavated from the site to allow the construction of the overflow retention facility. Municipal wastes excavated from the landfill were disposed of in the BFI Landfill on River Road in Tonawanda, New York (Domino, 12/10/85).

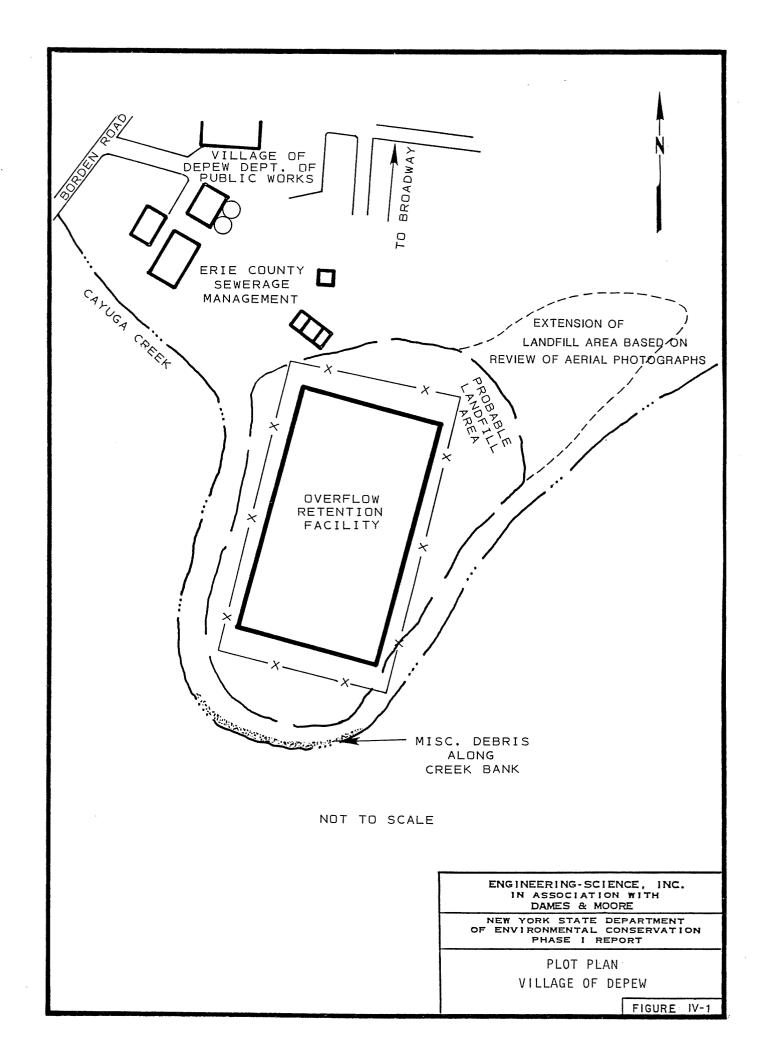
An estimated 10,000 tons per year of municipal solid wastes were reported to be disposed of at the Village of Depew landfill (Domino, 12/10/85). Although wastes have been excavated from the landfill to enable the construction of the overflow retention facility, municipal wastes remain on-site based on review of aerial photographs of the site (ECDEP, Hazardous Waste Site Profile Report, 3/83).

Foundry sands obtained from Dresser Industries were used as cover material at the Village of Depew landfill, although the quantity of foundry sand at the landfill is unknown (Domino, 12/10/85; Labenski, 1/17/86). The foundry sands that were used as cover at the landfill are suspected of containing phenolic compounds; however, the foundry sands at the landfill have not been analyzed to determine if phenols are present in significant concentrations (Domino, 12/10/85; Labenski, 1/17/86). Note that Phase I investigations of other sites which accepted foundry sand from Dresser Industries, contained phenol (Lancaster Reclamation, 5/85); Land Reclamation, 5/85). Also, Dresser Industries

confirmed that foundry sands generated after approximately 1950, contained phenolic binders (Martin, 1/17/86).

Environmental monitoring of the groundwater, surface water or soil has not been conducted at the Village of Depew Landfill site (NYSDEC, Registry Sheet, 1/10/85). In 1982, soil borings were dug at the site to characterize on-site soils as part of the construction of the overflow retention facility. The soil samples collected during this work were not analyzed for hazardous constituents (Drill & Test, Inc., 3/83).

During the Engineering-Science and Dames & Moore site inspection conducted in April 1986, HNu meter readings were taken upwind and downwind at the site. Volatile organics were not detected on-site in concentrations exceeding background levels of 1 ppm (ES/D&M, 4/86).



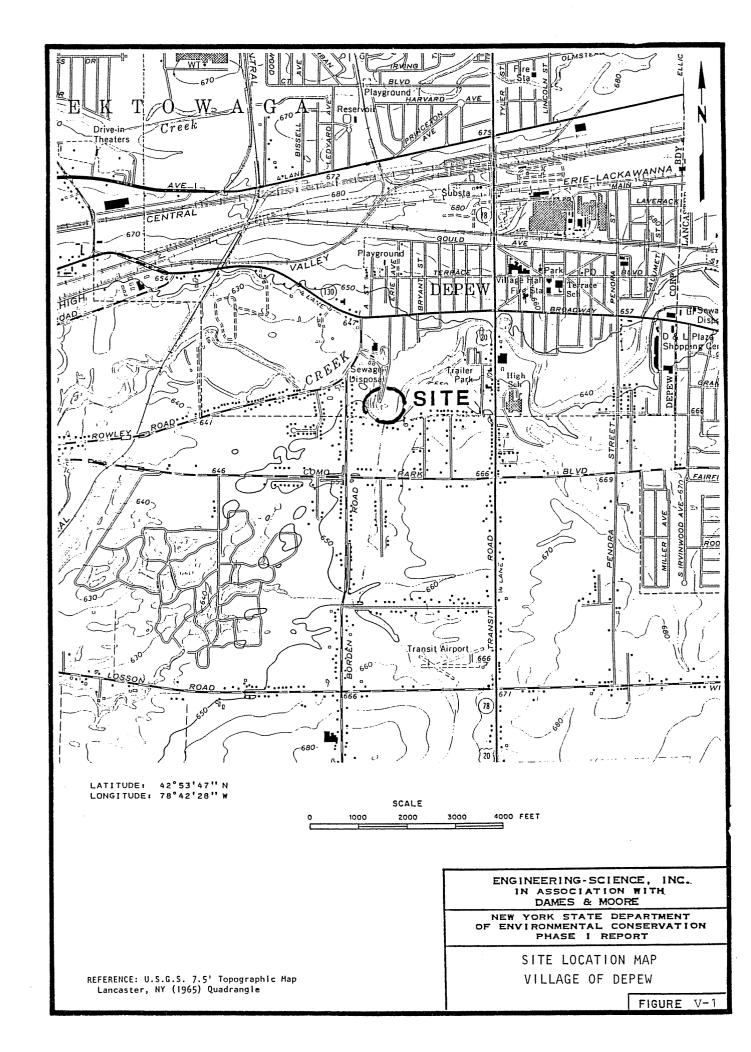
NARRATIVE SUMMARY

The five-acre Village of Depew Landfill is a municipal landfill located in the Village of Depew, Erie County, New York. The landfill was operated from approximately 1940 until 1961 for the disposal of municipal solid wastes. An estimated 10,000 tons per year of solid waste was disposed of in the landfill. No hazardous wastes were known to be disposed of in the landfill (ECDEP, Hazardous Waste Site Profile Report, 2/85). In 1983, Erie County purchased the landfill and excavated a portion of the wastes for purposes of constructing an Overflow Retention Facility. Excavated wastes were not tested for hazardous constituents and were disposed of in the BFI landfill located in Tonawanda (Domino, 12/10/85).

Foundry sand from Dresser Industries was used as cover material at the landfill. The foundry sand is suspected of containing phenolic binders, as Dresser Industries confirmed that foundry sands generated after approximately 1950 contained phenol (Martin, 1/17/86). However, the foundry sands at the landfill have not been analyzed to determine if phenols are present (Domino, 12/10/85; Labenski, 1/17/86).

No environmental monitoring of groundwater, surface water or soil has been conducted to date at the landfill site (NYSDEC, Registry Sheet, 1/85). Soil samples collected from borings drilled as part of the installation of the retention facility were not analyzed for hazardous constituents (Drill & Test, Inc.).

HNu meter readings were taken upwind and downwind at the site during the ES/D&M site inspection conducted in April, 1986. Volatile organics were not detected on-site in concentrations exceeding background levels of 1 ppm (ES/D&M, 4/86).



HRS COVER SHEET

Facility Name: Village of Depew Landfill

Location: Village of Depew, Erie County, New York

EPA Region: II

Person(s) in charge of the facility: Mayor Arthur Domino

Vincent LiPuma - Superintendent

Name of Reviewer: Cathy J. Bosma Date: 01-08-86

General Description of the facility:

The Village of Depew Landfill, approximately 5 acres, accepted municipal wastes from approximately 1940 to 1961. No hazardous wastes are known to be disposed of on site. Waste material (60,000 cubic yards) was excavated from the site in 1983, and the property was sold to Erie County for construction of overflow retention facility. No environmental monitoring has been conducted at the site to date. Foundry sand, used as cover material at the landfill, is suspected of containing phenolic compounds.

Scores:
$$S_M = 0$$
 $(S_{GW} = 0 S_{SW} = 0 S_A = 0)$ $S_{FE} = 0$

 $S_{DC} = 0$

Ground Water Route Work Sheet									
Rating Factor		ed Value le One)	Multi- plier	Score	Max. Score	Ref. (Section)			
1 Observed Release	<u>(i)</u>	45	1	0	45	3.1			
If observed release is given a score of 45, proceed to line 4. If observed release is given a score of 0, proceed to line 2.									
2 Route Characteristics Depth to Aquifer of Concern	0 1	2 ③	2	6	6	3.2			
Net Precipitation Permeability of the	0 1 0 1	② 3 ② 3	1 1	2 N	3 3				
Unsaturated Zone Physical State	0 (1	2 3	1	1	3				
Total Route	Characte	eristics Sc	ore	11	15				
3 Containment	0 1	2 3	1	3	3	3.3			
4 Waste Characteristics						3.4			
Toxicity/Persistence Hazardous Waste Quantity	3 1	6 9 12 15 1 2 3 4 5 6 7	8 1 8 1	00	18 8				
Total Waste (Characte	ristics Sco	re	0	26				
5 Targets						3.5			
Ground Water Use Distance to Nearest Well/Population Served		2 3 6 8 10 18 20 32 35 40	3	30	40				
Total T	argets S	core		3	49				
6 If line 1 is 45, mu If line 1 is 0, mul	0	57,330							
7 Divide line 6 by 57,330 and multiply by 100 S _{gw} = .									

GROUND WATER ROUTE WORK SHEET

Facility Name: Village of Depart Land Fill Date: 1-8-86 Surface Water Route Work Sheet Ref. Multi-Max. Assigned Value Score Rating Factor (Section) Score plier (Circle One) 1 4.1 45 (O) 45 Observed Release 1 If observed release is given a value of 45, proceed to line 4. If observed release is given a value of 0, proceed to line 2. 2 Route Characteristics 4.2 0 1 ② 3 3 Facility Slope and Intervening Terrain 1-yr. 24-hr. Rainfall Distance to Nearest Surface Water 3 0 (1) 2 3 Physical State 15 Total Route Characteristics Score 3 Containment 3 3 4.3 0 1 2 (3) 1 4 4.4 Waste Characteristics **6** 3 6 9 12 15 18 1 18 Toxicity/Persistence 8 **(6)**12345678 1 Hazardous Waste Quantity 26 Total Waste Characteristics Score 5 Targets 4.5 . Surface Water Use Distance to a Sensitive 0 (1) 2 3 Environment 40 **⊘**468 Population Served/ 12 16 18 20 Distance to Water 24 30 32 35 40 Intake Downstream 55 Total Targets Score 6 If line 1 is 45, multiply 1 x 4 x 5 If line $\boxed{1}$ is 0, multiply $\boxed{2} \times \boxed{3} \times \boxed{4} \times \boxed{5}$ 64,350 Divide line 6 by 64,350 and multiply by 100

SURFACE WATER ROUTE WORK SHEET

Facility Name: Village of Dipau Londfill Date: 1-8-86

Air Route Work Sheet									
Rating Factor		d Value e One)	Multi- plier Score		Max. Score	Ref. (Section)			
1 Observed Release	0	45	1	0	45	5.1			
Date and Location: Apri	1 1986. No	organies dete	cod upuin	id or do	wowind	of the site			
Sampling Protocol: HN	u meter								
If line $\boxed{1}$ is 0, the $S_a=0$. Enter on line $\boxed{5}$. If line $\boxed{1}$ is 45, then proceed to line $\boxed{2}$.									
2 Waste Characteristics						5.2			
Reactivity and	0 1	2 3	1		3				
Incompatibility Toxicity Hazardous Waste	0 1 0 1 2	2 3 3 4 5 6 7 8	3		9 8				
Total Wast	e Characte	ristics Score	2		20				
3 Targets						5.3			
	0 9	12 15 18	1		30				
4-Mile Radius Distance to Sensitive	21 24		2		. 6				
Environment Land Use	0 1	2 3	1		3				
Total Tar	gets Score				39				
4 Multiply 1 x 2 x	3				35,100				
5 Divide line 4 by 35,100 and multiply by 100 $S_a = \emptyset$									

AIR ROUTE WORK SHEET

Worksheet for Computing S_{M}

	S	s ²
Groundwater Route Score (Sgw)	0	0
Surface Water Route Score (S ;)	0	. 6
Air Route Score (S _a)	<u></u>	0
$s_{gw}^2 + s_{sw}^2 + s_a^2$		0
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		6
$\sqrt{S_{gw}^2 + S_{sw}^2 + S_a^2} / 1.73 = S_M =$		

WORK SHEET FOR COMPUTING

Facility Name: Village of Repeablant 411 Date: 1-8-80

Fire and Explosion Work Sheet										
Rating Factor	Assigned Value Multi- (Circle One) plier							Score	Max. Score	Ref. (Section)
Containment	1		3				1		3	7.1
2 Waste Characteristics										7.2
Direct Evidence Ignitability Reactivity Incompatibility Hazardous Waste Quantity	0 0		2	3 3 3 5	6 7	8	1 1 1 1		3 3 3 8	
Total Wast	e Ch	arac	ter	ist	ics	Sc	ore		20	
3 Targets						-				7.3
Distance to Nearest Population	0	1	2	3	4	5	1		5	
Distance to Nearest Building	0	1 .	2	3			1		3	•
Distance to Sensitive Environment	0	1	2	3			1		3	
Land Use Population Within	0	1	2	3	4	5	1 1		3 5	
2-Mile Radius Buildings Within 2-Mile Radius	0	1	2	3	4	5	1		5	
Total Targets Score								24		
4 Multiply 1 x 2 x 3						1,440				
5 Divide line 4 by 1,440 and multiply by 100						S _{FE}	- 0			

FIRE AND EXPLOSION WORK SHEET

Facility Name: Village of Depart Candfill Date: 1-8-86

Direct Contact Work Sheet									
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)				
1 Observed Incident	6 45	, 1	0	45	8.1				
If line 1 is 45, pro									
2 Accessibility	() 1 2 3	ï	0	3	8.2				
3 Containment	6 15	1	0		8.3				
Waste Characteristics Toxicity	() 1 2 3	5	0	15	8.4				
5 Targets					8.5				
Population Within 1-Mile Radius	0 1 2 🗿 4	5 4	12	20					
Distance to a Critical Habitat	① 1 2 3	4	0	12					
Total Ta	argets Score		12	32					
6 If line 1 is 45, multiple 1 is 0, mult	0	21,600							
7 Divide line 6 by 21.	,600 and multiply	by 100	S _{DC} =	- Ø					

DIRECT CONTACT WORK SHEET

DOCUMENTATION RECORDS FOR HAZARD RANKING SYSTEM

FACILITY N	VAME:	Village	of	Depew	Landfill		
LOCATION:	Villa	ge of D	epew	, Erie	County,	New	York

GROUND WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected (5 maximum):

No groundwater monitoring has been conducted at the site. (Erie County DEP, 2/85)

Rationale for attributing the contaminants to the facility:

No observed release. No ground water monitoring conducted at site.

(ECDEP, 2/85)

* * *

2. ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) in concern:

Overburden and bedrock aquifer suspected to be hydraulically connected.

(Drill & Test, Inc., Site Investigation, 3/83)

Depth(s) from the ground surface to the highest seasonal level of the saturated zone [water table(s)] of the aquifer of concern:

Seasonally high water table - approximately 3 to 17 feet. (Drill & Test, Inc., Site Investigation, 3/83; Hazardous Waste Site Profile Report, 2/85)

Depth from the ground surface to the lowest point of waste disposal/ storage:

Approximately 14 feet.
(Boring Logs A-27 through A-30, Drill & Test, Inc., 12/82)

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

Mean annual precipitation is 32".

(USDOC, Climatic Atlas of the United States, 1979)

Mean annual lake or seasonal evaporation (list months for seasonal):

Mean annual lake evaporation is 27".
(USDOC, Climatic Atlas of the United States, 1979)

Net precipitation (subtract the above figures):

Permeability of Unsaturated Zone

Soil type in unsaturated zone:

Clayey silt with interbedded sand and gravel layers. (Drill & Test, Inc., 3/83)

Permeability associated with soil type

$$> 10^{-5} < 10^{-3}$$
 cm/sec. (Freeze, R.A. and J.A. Cherry, Groundwater, 1979)

Physical State

Physical state of substances at time of disposal (or at present time for generated gases):

Paper, dust, wood, and municipal solid waste - unconsolidated solid waste.

(NYSDEC Registry Sheet, 1/85; ECDEP, Hazardous Waste Site Profile Report, 2/85)

3. CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Unlined landfill, no run-on control.

(ES/D&M Site Visit, 12/85; Subsurface Investigations, Drill & Test, Inc., 1983; and ECDEP Hazardous Waste Site Profile Report, 1985)

Method with highest score:

Unlined landfill, no run-on control - 3.

(ES/D&M Site Visit, 12/85; Subsurface Investigations, Drill & Test, Inc., 1983; and ECDEP Hazardous Waste Site Profile Report, 1985)

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

No environmental monitoring of groundwater, surface water or soil has been conducted at the site (NYSDEC, Registry Sheet 1/85). However, foundry sands suspected of containing phenolic based binders were used as a cover material at the site (Domino, 12/10/85; Martin, 1/17/86).

Compound with highest score:

For purposes of scoring the site, phenol is not used because monitoring has not been conducted to determine if phenol is present at the site (Labenski, 1/20/86). Therefore, the toxicity/persistence score is zero.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

No hazardous wastes known to be disposed of on-site. Foundry sands suspected of containing phenol was used as cover material at the landfill. Monitoring has not been conducted to determine if phenols are present on-site (NYSDEC Registry Sheet, 1985; ECDEP, Hazardous Waste Site Profile Report, 1/85)

Basis of estimating and/or computing waste quantity: The landfill was used for the disposal of municipal solid wastes and hazardous wastes are not known to be disposed of on-site (ECDEP, Hazardous Waste Site Profile Report, 1/85; Domino, 12/10/85; and Labenski, 1/20/86) An unknown quantity of foundry sand, suspected of containing phenolic-based binders, was used

as cover material at the landfill. For HRS scoring, the hazardous waste quantity score is zero because the presence of phenol

has not been confirmed.

5. TARGETS

Ground Water Use

Uses(s) of aquifer(s) of concern within a 3-mile radius of the facility:

Groundwater is not used as a source of drinking water within 3 miles of the site. Potable water is obtained from a municipal water system (Domino, 12/10/85).

Distance to Nearest Well

Location of nearest well drawing from <u>aquifer of concern</u> or occupied building not served by a public water supply:

Not applicable, there are no groundwater wells drawing water from the aquifer of concern within 3 miles of the site (Domino, 12/10/85).

Distance to above well or building:

Not applicable, there are no groundwater wells drawing water from the aquifer of concern within 3 miles of the site (Domino, 12/10/85).

Population Served by Ground Water Wells Within a 3-Mile Radius

Identified water-supply well(s) drawing from aquifer(s) of concern within a 3-mile radius and populations served by each:

There are no water-supply wells drawing water from the aquifer of concern within 3 miles of the site (NYSDOH, NYS Atlas of Community Water System Sources, 1982; Domino, 12/10/85).

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of concern within a 3-mile radius, and conversion to population (1.5 people per acre):

Water withdrawn from the aquifer of concern is not used for irrigation within 3 miles of the site (NYSDOH, NYS Atlas of Community Water System Sources, 1982; Domino, 12/10/85).

Total population served by ground water within a 3-mile radius:

Residents within a 3-miles radius of the site obtain water from municipal water supply. Therefore, the total population served = 0 (NYSDOH, NYS Atlas of Community Water System Sources, 1982; Domino, 12/10/85).

SURFACE WATER ROUTE

1. OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

No surface water monitoring has been conducted at the site (ECDEP, Hazardous Waste Site Profile Report, 2/1985; NYSDEC, Registry Sheet, 1/10/85).

Rationale for attributing the contaminants to the facility:

No surface water monitoring has been conducted at the site (ECDEP, Hazardous Waste Site Profile Report, 2/1985; NYSDEC, Registry Sheet, 1/10/85).

* * *

2. ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain

Average slope of facility in percent:

2 percent
 (Drill & Test, Inc., 1983)

Name/description of nearest downslope surface water:

Cayuga Creek (USGS Topographic Map, Lancaster Quandrangle, 1965; ES/D&M Site Inspection, 12/110/85)

Average slope of terrain between facility and above-cited surface water body in percent:

Approximately 9% (USGS Topographic Map, Lancaster Quandrangle, 1965)

Is the facility located either totally or partially in surface water?

No. (ES and D&M Site Visit, 12/85)

Is the facility completely surrounded by areas of higher elevation?

No.

(ES and D&M Site Visit, 12/10/85)

1-Year 24-Hour Rainfall in Inches

2.1".
(USDOC, Rainfall Frequency Atlas of the United States,
Technical Paper No. 40, 1963)

Distance to Nearest Downslope Surface Water

Approximately 100 feet to Cayuga Creek (ES and D&M Site Visit, 12/10/85)

Physical State of Waste

Paper, dust, wood and municipal solid waste - unconsolidated solid waste (NYSDEC, Registry, 1/10/85; ECDEP, Hazardous Waste Site Profile Report, 2/85)

CONTAINMENT

Containment

Method(s) of waste or leachate containment evaluated:

Landfill not adequately covered and unsound diversion system.

(ES and D&M Site Visit and Interviews with Village of Depew and Krehbiel Associates, 12/85; Subsurface Investigation, Drill & Test, Inc., 1983)

Method with highest score:

Inadequate cover, unsound diversion system. -3
(ES and D&M Site Visit and Interviews with Village of Depew and Krehbiel Associates, 12/85; Subsurface Investigation, Drill & Test, Inc., 1983)

4. WASTE CHARACTERISTICS

Toxicity and Persistence

Compound(s) evaluated:

No environmental monitoring has been conducted at the site (NYSDEC, Registry Sheet, 1/85). However, foundry sands suspected of containing phenolic based binders were used as a cover material at the site (Domino, 12/10/85; Martin, 1/17/86).

Compound with highest score:

For purposes of scoring the site, phenol is not used because monitoring has not been conducted to determine if phenol is present at the site (Labenski, 1/20/86). Therefore, the toxicity/persistence score is zero.

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

No hazardous wastes are known to be disposed of on-site. Foundry sands suspected of containing phenol were used as cover material at the landfill. Monitoring has not been conducted to determine if phenols are present on-site (NYSDEC, Registry Sheet, 1985; ECDEP Site Profile Report, 1985).

Basis of estimating and/or computing waste quantity:

The landfill was used for the disposal of municipal solid waste and hazardous wastes are not known to be disposed of on-site. An unknown quantity of foundry sand, suspected of containing phenolic-based binders, was used as cover material at the landfill. For HRS scoring, the hazardous waste quantity score is zero because the presence of phenol has not been confirmed.

5. TARGETS

Surface Water Use

Use(s) of surface water within 3 miles downstream of the hazardous substance:

Cayuga Creek is used for fishing by local residents. Surface water is not used for drinking water within 3 miles of the site (Domino et al, 12/10/85).

Is there tidal influence?

Site is not located in a coastal area (ES/D&M Site Visit, 1985).

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Site is not located in a coastal area.
(USGS Topographic Map: Lancaster Quadrangle, 1965)

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

A New York State designated wetland is located 0.8 miles northwest - LA-7.
(McMurry, NYSDEC - Region 9, 1/3/86)

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

There are no Federally-designated critical habitats in New York State.
(OZARD, 1986)

Population Served by Surface Water

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

Water supply intakes are not located within 3 miles of the site. (NYS Atlas of Community Water System Sources, 1982; Domino, 12/10/85).

Computation of land area by above-cited intake(s) and conversion to population (1.5 people per acre):

Not applicable. No known water supply intakes are located within 3 miles of the site (NYS Atlas of Community Water System Sources, 1982; Domino, 12/10/85).

Total population served:

Not applicable. No known water supply intakes are located within 3 miles of the site (NYS Atlas of Community Water System Sources, 1982; Domino, 12/10/85).

Name/description of nearest of above water bodies:

Not applicable. No known water supply intakes are located within 3 miles of the site (NYS Atlas of Community Water System Sources, 1982; Domino, 12/10/85).

Distance to above-cited intakes, measured in stream miles:

Not applicable. No known water supply intakes are located within 3 miles of the site (NYS Atlas of Community Water System Sources, 1982; Domino, 12/10/85).

AIR ROUTE

1. OBSERVED RELEASE

Contaminants detected:

HNu meter readings were taken upwind and downwind of the site. All readings for volatile organics were below background levels of 1 ppm (ES/D&M Site Visit, April 1986).

Date and location of detection of contaminants:

Not applicable, no observed release (ES/D&M Site Inspection, 1986).

Methods used to detect the contaminants:

HNu meter.

Rationale for attributing the contaminants to the site:

Not applicable, no hazardous waste with the potential to impact the air pathway are known to exist on-site. (ECDEP Hazardous Waste Site Profile Report, 2/85; NYSDEC, Registry Sheet, 1/10/85).

* * *

2. WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

No reactive compounds are known to exist on-site (ECDEP Hazardous Waste Site Profile Report, 2/85; NYSDEC, Registry Sheet, 1/10/85).

Most incompatible pair of compounds:

No incompatible pair of compounds is known to exist on-site (ECDEP Hazardous Waste Site Profile Report, 2/85; NYSDEC, Registry Sheet, 1/10/85).

Toxicity

Most toxic compound:

No hazardous wastes with the potential to impact the air pathway are known to exist on-site (ECDEP Hazardous Waste Site Profile Report, 2/85; NYSDEC, Registry Sheet, 1/10/85).

Hazardous Waste Quantity

Total quantity of hazardous waste:

The hazardous waste quantity score is zero because no hazardous wastes with the potential to impact the air pathway are known to exist on-site (ECDEP Hazardous Waste Site Profile Report, 2/85; NYSDEC, Registry Sheet, 1/10/85).

Basis of estimating and/or computing waste quantity:

Not applicable, see above comment.

* * *

3. TARGETS

Population Within 4-Mile Radius

Underline radius used, give population, and indicate how determined:

0 to 1/4 mi

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

None within 2 miles. (Western NYS is not a coastal area.)

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

A NYS designated wetland is located 0.8 miles NW of the site - LA-7 (McMurry, NYSDEC Region 9, 1/3/86).

Distance to critical habitat of an endangered species, if 1 mile or less:

There are no federally designated critical habitats in New York State (Ozard, 1986).

Land Use

Distance to commerical/industrial area, if 1 mile or less:

Approximately 1/2 mile (ES/D&M Site Visit, 1985).

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

There are no parks or wildlife reserves within 2 miles of the site (USGS Topographic Map - Lancaster Quadrangle).

Distance to residential area, if 2 miles or less:

< 1/4 mile across Cayuga Creek (ES/D&M Site Visit, 1985).

Distance to agricultural land in production within past 5 years, if 1 mile or less:

1/2 mile (ES/D&M Site Visit, 1985; USGS Topographic Map - Lancaster Quadrangle).

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

None (ES/D&M Site Visit, 1985; USGS Topographic Map - Lancaster Quadrangle).

Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within view of the site?

There are no historic landmarks within view of the site (USGS Topographic Map - Lancaster Quadrangle).

FIRE AND EXPLOSION

1. CONTAINMENT

Hazardous substances present:

No information was discovered during the Phase I study which indicates that a fire and explosion situation existed or presently exists at the site.

Type of containment, if applicable:

N/A

* * *

2. WASTE CHARACTERISTICS

Direct Evidence

Type of instrument and measurements:

No measurements were taken to determine the fire and explosion potential on-site.

Ignitability

Compound used:

No ignitable compounds are known to exist on-site (ECDEP, Site Profile Report, 1985; NYSDEC, Registry Sheet, 1/10/85).

Reactivity

Most reactive compound:

No reactive compounds are known to exist on-site (ECDEP, Site Profile Report, 1985; NYSDEC, Registry Sheet, 1/10/85).

Incompatibility

Most incompatible pair of compounds:

No incompatible compounds are known to exist on-site (ECDEP, Site Profile Report, 1985; NYSDEC, Registry Sheet, 1/10/85).

Hazardous Waste Quantity

Total quantity of hazardous substances at the facility:

No hazardous waste with the potential to create a fire or explosion hazard is known to exist on-site (NYSDEC Registry Sheet, 1/10/85).

Basis of estimating and/or computing waste quantity:

See comment above.

* * *

3. TARGETS

Distance to Nearest Population

Less than 1/4 mile across Cayuga Creek (ES/D&M Site Visit, December, 1985)

Distance to Nearest Building

Less than 1/4 mile (ES/D&M Site Inspection, December, 1985)

Distance to Sensitive Environment

Distance to wetlands:

A New York State designated wetland is located 0.8 miles NW of the site - LA-7 (McMurry, NYSDEC Region 9, 1/3/86).

Distance to critical habitat:

There are no federally designated critical habitats in New York State (Ozard, 1986).

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Less than 1/2 mile (ES/D&M Site Visit, 1985).

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

There are no historic landmarks within view of the site (ES/D&M Site Visit, 1985).

Distance to residential area, if 2 miles or less:

Less than 1/4 mile across Cayuga Creek (ES/D&M Site Visit, 1985).

Distance to agricultural and in production within past 5 years, if 1 mile or less:

1/2 mile (ES/D&M Site Visit, 1985; USGS Topographic Map - Lancaster Quadrangle).

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

None (ES/D&M Site Visit, 1985; USGS Topographic Map - Lancaster Quadrangle).

Is a historic or landmark site (National Register or Historic Places and National Natural Landmarks) within the view of the site?

There are no historic landmarks within view of the site (USGS Topographic Map - Lancaster Quadrangle, 1965).

Population with 2-Mile Radius

37,343 people (U.S. Bureau of Census, 1980).

Buildings Within 2-Mile Radius

9,827 buildings (estimate based 37,343 people ÷ 3.8 people per house).

DIRECT CONTACT

1. OBSERVED INCIDENT

Date, location, and pertinent details of incident:

No observed incident. Information reviewed during the Phase I investigation has not identified any previous incident related to contact with waste disposed of on-site that may cause injury, illness or death to humans or animals (Phase I Record Search, 1985).

* * *

2. ACCESSIBILITY

Describe type of barrier(s):

Fenced area, and access is controlled either by a locked gate or personnel from Erie County Sewerage Management (ES/D&M Site Visit, 1985).

* * *

CONTAINMENT

Type of containment, if applicable:

There are no hazardous wastes known to be landfilled on-site. An unknown quantity of foundry sand, suspected of containing phenols, was used as cover material at the landfill. For HRS scoring, hazardous wastes are not accessible to direct contact because the presence of phenol has not been confirmed (ES/D&M Site Visit, December, 1985; amd ECDEP Site Profile Report, 1985).

* * *

4. WASTE CHARACTERISTICS

Toxicity

Compounds evaluated:

The landfill was used for the disposal of municipal solid wastes and no hazardous wastes are known to exist on-site. An unknown quantity of foundry sand, suspected of containing phenolic base binders, was used as cover material at the landfill. Because the presence of phenol has not been determined, phenol is not used to score the site.

Compound with highest score:

See above comment.

5. TARGETS

Population within one-mile radius

1,090 people (U.S. Bureau of Census, 1980).

Distance to critical habitat (of endangered species)

There are no federally designated critical habitats in New York State (Ozard, 1986).

HRS REFERENCES*

- 1) Domino; LiPuma, V., Village of Depew and Labinski, R., and Devlin G., Personal Interviews during Phase I Site Inspection, 12/10/85.
- 2) Drill & Test, Inc., Site of Investigation, Overflow Retention Facility, Erie County Sewer District No. 4, Depew, New York, 3/83.
- 3) Erie County Department of Planning, Hazardous Waste Site Profile Report for Village of Depew, 2/85.
- 4) Erie County Planning Department, U.S. Bureau of the Census, 1980.
- 5) Engineering-Science (ES) and Dames & Moore, Site Inspection of Village of Depew, 12/10/85.
- 6) Labenski, R.H., Krehbiel Associates, Letter to C. Bosma, 1/20/86.
- 7) Lancaster Reclamation, Phase I Investigation Report, 5/85.
- 8) Land Reclamation, Phase I Investigation Report, 5/85.
- 9) LiPump, V., and B. Labenski, Personal Interview, 2/12/88.
- 10) Martin, A., Dresser Industries, Personal Interview, 1/17/86.
- 11) McMurry, M., NYSDEC Region 9, Department of Regulatory Affairs, Personal Interview, 1/3/86.
- 12) NYS Wetland Maps.
- 13) NYSDEC, Inactive Hazardous Waste Disposal Site Report (Registry Sheet), 1/10/85.
- 14) Ozard, J., Senior Wildlife Biologist, NYSDEC, Personal Interview, 1/17/86.
- 15) New York State Department of Health, NYS Atlas of Community Water System Sources, 1982.
- 16) U.S. Department of Commerce, Climatic Atlas of the United States, National Climatic Center, 1979.
- 17) U.S. Department of Commerce, Rainfall Frequency Atlas of the United States, Technical Paper No, 40, U.S. Government Printing Office, 1963.
- 18) U.S. Geological Survey, Topographic Map: Lancaster Quadrangle, 1965.
- 19) Voell, A.T., ECDEP, Memorandum to P. Beuchi, Inspection Report for Depew Landfill Site, 4/29/85.
 - * For general references, see Appendix A.

INTERVIEW FORM

	Mayor Domino/Vincent LiPuma - Village of Depew Robert Labinski/Gerald Devlin - Consulting Engineer/Erie County
INTERVIEWE	EE/CODE
TITLE - PO	OSITION
ADDRESS ·	Borden Road
CITY	Depew STATE NY ZIP
PHONE	() . RESIDENCE PERIODTO
LOCATION.	Depew - INTERVIEWER Cathy J. Bosma
DATE/TIME	12/10/85 / 10:30
SUBJECT:	Village of Depew Phase I site investigations
-	
REMARKS:	at a serial of the serial seri
reman	Site owned by Village of Depew until 1983 when it was sold to Eric County to develop an overflow retention facility. The site was inactive
	as of 1962, and consisted of 5 acres. Only residential refuse (household)
	were disposed in site (10,000 tons vr). Trask Pickup was about 3 times/
	week. Excavated matl was taken to BFI landfill site on River Road in
	Tonawanda. Residence are on municipal water, also piped sewers.
	No drums were placed on site or discovered during excavation. No informat
	on groundwater or surface water monitoring data is available. Foundry
	sands was used for cover material, when excavated Dresser Industries (wher
	foundry sand was obtained) stated that it contained no phenols but mat'l
	was not tested. There were monitoring wells on site but are presently
	destroyed. Drill & Test, Int. did soils test. No test of excavated
	materials has been done to their knowledge. Filter fabric & gravel were
	placed before retention facility was constr.
	placed Sciole Leconstant Lacinary man control
<u>:</u> _ :	WITH THE ABOVE SUMMARY OF THE INTERVIEW:
I AGREE W	WITH THE ABOVE SUMPART OF THE INTERVIEW.
SIGNATURE	F:
<u></u>	
COMMENTS:	:

INTERVIEW FORM

Demonstrate (CODE Maria Da 125 /1/2	and 1: Dung Ribert Labinskiland I Dart.
TITLE - BOSTEION	epew Ribert Lapoinski/Gerald Deven
ADDRESS POSTITION WITHOUT CF D	epers : Challand Lighter
ADDRESS. Forden Rd.	cm>mr 1 1// 270
CITY & Depou	STATE NY ZIP
PHONE ()	RESIDENCE PERIOD 10
LOCATION. Depole	INTERVIEWER ("offy 1 1303mac
DATE/TIME 12-16-35 / 10:3	
DATE/TIME 12-16-5 10:3 SUBJECT: Harm of Dear Sphase I	site investigations
REMARKS: Site oriened by Williams	A Dogon until 1983 when it was
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The site in inactive as of 196	and a lier soller in 5 acres,
Only resdorted refuse (NOYD	chald were disposed in sets 10,000
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was taken to BFI landfill	at in fire work in thogona
Falls, Rividence we on nume	iza water, also piped Dulle.
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No information on yourdion	ter or surface water monitoring
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I AGREE WITH THE ABOVE SUMMARY OF THE I	NTERVIEW: Tolention facility has an
1 0 3	
SIGNATURE: autor	Derald Gerlin
Venu 2. Rus	Robert H. Laberski
COMMENTS:	

DRILL & TEST, INC.

REF-2

Minority Business Enterprise

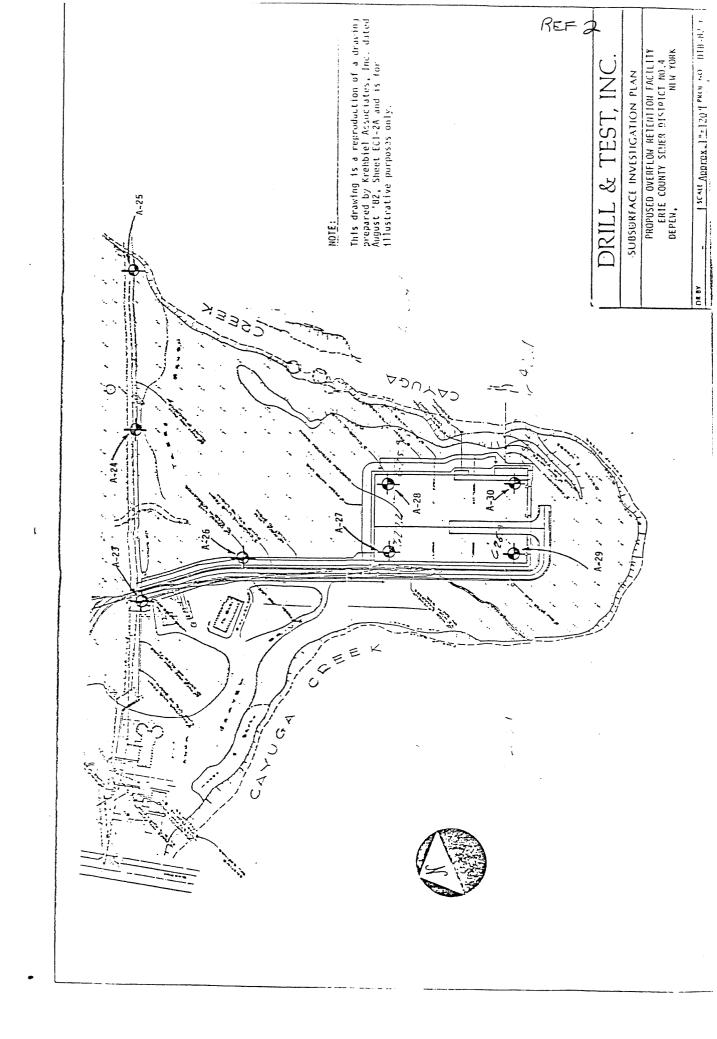
Carl A. Rosati, Jr., President

SITE OF INVESTIGATION OVERFLOW RETENTION FACILITY ERIE COUNTY SEWER DISTRICT NO. 4 DEPEW, NEW YORK

for

Krehbiel Associates 1870 Niagara Falls Boulevard Tonawanda, NY 14150

> DTB-82-6 March, 1983



REF 2 DATE STARTED 12/28/82 DRILL & TEST, INC. HOLE NO ____ A-23 FINISHED 12/28/82 SURF ELEV 639.7 1__o_t_1 SUBSURFACE LOG SHEET G W DEPTH See Note Overflow Retention Program LOCATION _ Depew, New York Erie County Sewer District No. 4 BLOW ON SOIL OR ROCK NOTES CLASSIFICATION 6" TUPSUIL Moist loose brown Clayey SILT, trace 5 9 sand, trace gravel (Fill) 2 | 2 | 2 Contains little fine-coarse Sand, little fine-coarse Gravel, occasional clay lenses, tr. roots, contaminated with topsoil Moist firm tan Clayey SILT and finecoarse Sand, some fine-coarse Gravel 3 | 10|14 | 13|27 4 | 21 | 30 Becomes very compact, brown-gray 35 | 33 | (Till), contains some f-c Sand 65 5 | 100/.5 Boring Complete with Refusal at 1. No free standing 17.5 feet. (6- water encountered in -20 hole at boring com-pletion.

so 2 so so 12 with 140 to prome rate. 30 specifier CLASSISTATION VISUAL by

DATE DRILL & TEST, INC. A-24 STARTED 12/23/82 HOLE NO ____ SURF ELEV ____635.3_ FINISHED 12/28/82 C W DEPTH See Note SUBSURFACE LOG <u> 1</u> or <u>1</u> SHEET ____ Overflow Retention Program Depew, New York LOCATION PROJECT Erie County Sewer District No. 4 SAMPHS SAMPH SO BLOW ON CASING C SOIL OR ROCK NOTES CLASSIFICATION Moist firm brown-black Clayey SILT 1. Driller notes and fine-coarse Gravel, little fine-113 cobbles from 1.0' to coarse Sand, tr.roots (Fill) 3.0'. 2. Sample No. 2, re-Moist firm to very compact blk. Claycovered from augers. 2 | 100/.1| SILT, little f-c Sand, trace gravel (Poss.Fill) Moist very compact, gray f-c SAND & f-c Gravel, some Silt, trace clay HΟ· 3 | 30 | 27 | 35 | 62 (Till) 100/.0 3. No free standing Boring Complete with Refusal at 11.8 water encountered in feet. hole at boring com-623.5 115 pletion.

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with 140 lb pin will falling 30 per blow CLASSIFICATION _

		JRFACE LOG LOCATION Depew, New	HOLENOA-25 REF.2 SURF ELEV 333.4 G W DEPTH See Note	
BLOWS ON NAMPLER	e 7 1	OIL OR ROCK ASSIFICATION	notes	
0 /1 3 19 1 1	1.0' TOPSOIL		Ĺ	
/ 12 14 21	Moist firm b	rown SILT, some Slag, coarse Gravel (Fill)		
5 / 2 25 70 125 195		pact gray fine-coarse le fine-coarse Sand,	<u>.</u> [.	
10-	feet.	ete with Refusal at 8.5	1. Free standing water recorded at 3.5' in hole at boring completion.	
C = 50 0 0 00 00 00 00 00 00 00 00 00 00 00	ng" with15	en 2013 and Orio Le		

(a)

STARTED 12/28/82 FINISHED 12/28/82

DRILL & TEST, INC.

SUBSURFACE LOG

A-26 REF. 2 HOLE NO _ 639.4 SURF ELEV _ See Note G W DEPTH

Overflow Retention Program

Depew, New York

PRO	IEC 1	Er	ove ie	Cou	ow h	Sew	ntion er Di	Program LOCATION <u>Depew, New</u>	V :Ork
	SAMPILS	SAMPLE SO	"/,	HLOW NAME	11 R	2	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
) = - -	Z	1	4	3	4	7		Moist loose black fine SAND, some Silt, little fine Gravel (Fill)	
5 -		2		25 14		55		Moist very compact gr.& blk.f-c SAND, little f-c Gravel, trace clay, trace paper (Fill)	_
-	/	3		2 4		5		Moist loose green-gray Clayey SILT, trace sand	· _
0 - - -	4	4	2	2	2	4		Becomes moist-wet	
- 5-	1/1	5	2	2				Wet loose gray-brown SILT and fine- coarse Sand, trace gravel, trace clay	-
-	-V	6	2 2	3 2		5		Becomes moist-wet, contains little fine Gravel	
- - 02 - -		7	10	0/.1		The state of the s		Boring Complete with Refusal at 19.1 feet.	1. Free standing water recorded at 8. feet in hole at boring completion.
	ماسسا محالسسا								
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	T-1-1-1								
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					-				

DATE

STARTED 12/23/83

FINISHED 12/28/8

DRILL & TEST, INC.

SUBSURFACE LOG

HOLE NO _____A-27PEF-2

SURF ELEV __640.3 _____

G W DEPTH __See Note___

PROJECT Overflow Retention Program	LOCATION Depew, New York
Erie County Sewer District No. 4	

Erie County Sewer District No. 4								
	SOIL OR ROCK CLASSIFICATION	NOTES						
0 / 1 8 12 27 27	Moist firm black f-c SAND, some Silt, trace clay, trace gravel (Fill)							
5 2 18 1000 . 2	Moist very compact br. & blk. f-c Sand, little fine Gravel, little Silt trace cinders, trace clay (Fill)							
10 / 3 12 14	Moist firm brown Paper and Wood fibers, little Glass pieces, trace silt (Fill)							
15 4 10 8 13	Moist medium red-brown Silty CLAY, occasional gray Silt seams							
20 - \begin{array}{c c c c c c c c c c c c c c c c c c c	Becomes moist-wet Moist-wet firm brown-gray SILT and f-c Sand, little fine Gravel, trace clay Becomes very compact, contains some fine-coarse Gravel (Till)	1. Sample No. 8 no recovery due to soil						
25	Boring Complete at 24.0 feet.	nature. 2. Observation water well installed at 15.0': 0.0'-10.0'-1½" PVC riser. 10.0-15.0'-1½" PVC well screen. 0.0'-9.0' -Soil back-fill. 9.0'-24.0'-Sand filter 3. Free standing water recorded at 12.0' in hole at boring completion.						

The blows to drive 2 reacon 12 with 140 to pin with talking 30 oper blow CLASSIFICATION V15031 to Geo. 11.3

arrow of agree of the ASIM DONEST, become also rin Casing. T

A-28 REF DATE STARTED 12/28/82 DRILL & TEST, INC. HOLENO SURF ELEV _642.4 FINISHED 12/28/82 с w DEPTH <u>See Note</u> SUBSURFACE LOG 1 Ot 1 SHEET ___ Overflow Retention Program LOCATION Depew. New York Erie County Sewer District No. 4 SAMPLER SOIL OR ROCK NOTES CLASSIFICATION Moist loose black fine-coarse Gravel and Wood fibers, trace silt (Fill) 14 2 | 15 | 2 Moist loose br. Clayey SILT, some f-c Sand, little f-c Gravel (Fill) 3 | 3 | 5 Becomes firm, contains some fine 1.0 14 15 Gravel, little Wood Fibers, tr. glass 1. Sample No. 4, no 2 2 recovery due to soil Becomes loose 13 14 5 nature. Contains trace ash/cinders, trace HO-15 18 110 2. Free standing scrap metal water readings on 6 | 10 | 10 12/28/82: 24 11417 Becomes firm With bottom of Moist loose gr.-blk. Clayey SILT, hole at 12.0', water 6 little fine Sand 3 4 115 at 8.0'. 13 With bottom of Contains trace organics (roots) 14 15 hole at 25.0', water Becomes firm, contains little f-c at 6.0'. Gravel 6 15 11 3. Observation water Moist loose brown Clayey SILT, 20 well installed at little fine Sand 20.0':

Wet loose br.-gr. f-c SAND & Silt,

Boring Complete at 25.0 feet.

some f-c Gravel

0.0'-15.0-1½" PVC

15.0-20.0-1½" PVC

0.0'-14.0-Soil backfill.

14.0-25.0-Sand filter

riser.

well screen!

= 5 as to drive 2 "spoon 12 "with 140 to on which thing 30 , on blow CLASSIFICATION YISHED by

ASTM C.

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2

1212 6

4

STARTED 12/28/82

FINISHED 12/28/82

DRILL & TEST, INC.

	HOI E	NO	
-	_		

SURF ELEV 640.1

C W DEPTH See Note

SUBSURFACE LOG

Overflow Retention Program

	DIECT	Er	ie Co	ount	y Se	entic wer [on Program LOCATION <u>Depew, No</u> District No. 4	ew York
F)	sulfits.			NS OS 101 R 12/14	1.	HLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
-			25 20 		55		Moist very compact brown Wood FIBERS (Fill)	
5 — - -	1/12	2			4		Becomes loose, contains some fine- coarse Sand/Cinders, trace slag, trace sand	
- - 0 [-	1/13	3	3 3		6		Wet loose brown Clayey SILT, trace sand	l. Sample No. 3, strong chemical odor.
15 - -	4	3 2 5 7	3 3 8 8		5		Wet loose black fine-coarse SAND, some fine-coarse Gravel, trace silt Becomes firm, brown & gray	
?0 -	/ 6 / 7 / 8	7 28 45 28	60		70		Moist-wet, firm br-gr. Clayey SILT and fine-coarse Sand, some fine-coarse Gravel Becomes very compact (Till) Contains and fine-coarse Gravel,	
		30	1007	7.4	54		some fine-coarse Sand Boring Complete at 25.0 feet.	2. Observation water well installed at 22.0': 0.0'-17.0-1½" PVC riser. 17.0-22.0-1½" PVC well screen: 0.0'-15.0-Soil back fill. 15.0-25.0-Sand filter 3. Free standing water recorded at
								18.5' in hole at boring completion.

spoon 12 with 140 to projet fall of 30

DATE	
STARTID _	12/28/82
FINISHED	12/28/82

DRILL & TEST, INC.

SUBSURFACE LOG

Overflow Retention Program

Depew, New York

							strict No. 4	
Ð =	\$4300115	OS ILMANS	\A	IWS ON MPLER	N	BLOW ON CASING C	SOIL OR ROCK CLASSIFICATION	NOTES
	<u>/</u> -	1 3)	6		Wet loose brblk. f-c SAND, some f-c Gravel, some Silt, trace glass, trace grass (Fill)	
5 -	/ 2		28 21		41		Moist compact br. & blk. Paper, Wood, Glass (Fill)	l. Very strong de- cayed odor in sample No. 2 and sample No. 3.
10 -	/ 3	7	 7 2 15		19		Becomes firm, contains some Clayey Silt	
20 -	5	7	6 7 8 14		9 14 13		Moist loose grblk. Clayey SILT, little fine-coarse Sand, trace roots Becomes firm Contains some fine-coarse Sand, some fine-coarse Gravel Wet loose grblk. f-c SAND, some	
25	/ 8	3			28		f-c Gravel Wet soft br. Silty CLAY/Clayey Silt Moist firm brgr.f-c GRAVEL and f-c Sand, some Silt Boring Complete at 25.0 feet.	2. Observation water well installed at 23.0': 0.0'-18.0-1½" PVC riser.
								18.0-23.0-14" PVC well scree 0.0'-15.0-Soil backfill. 15.0-25.0-Sand filte 3. Free standing water recorded at 13.5' in hole at boring completion.

DRILL & TEST, INC.

Minority Business Enterprise

Carl A. Rosati, Jr., President

Overflow Retention Facility and Pump Station Locations Erie County Sewer District No. 4 Depew and Lancaster, New York

FREE STANDING WATER LEVELS

<u>E</u>	Boring No.	<u>Date</u>	Bottom of Hole	Water Depth	Remarks
A	4-23	12/28/82	17.5'	None at Comple- tion.	-
P	N-24	12/28/82	11.8'	None at Comple- tion.	-
F	N-25	1/3/83	8.5'	3.5'	-
F	N - 26	12/28/82	19.1'	8.5'	-
F	N-27 (Well)	12/28/82	24.0'	12.0'	At completion well installed a 15.0'
	A-27 A-27 A-27 A-27 A-27 A-27 A-27 A-27	1/5/83 1/7/83 1/7/83 1/7/83 1/10/83 1/12/83 1/14/83 1/17/83 1/19/83	15.10' 15.10' 15.10' 15.10' 15.10' 15.10' 15.10' 15.10'	13.02'(9:19 a.m.)	- Prior to pump-down of water le
A A A A A A	A-28 (Well) A-28 A-28 A-28 A-28 A-28 A-28 A-28 A-28	12/28/82 1/5/83 1/7/83 1/7/83 1/7/83 1/10/83 1/12/83 1/14/83 1/17/83 1/19/83	25.0' 19.77' 19.77' 19.77' 19.77' 19.77' 19.77' 19.77' 19.77'	18.50'(9:10 a.m.)	At completion well installed 0: - Prior to pump-down @water leve After pump-down. After partial recovery
# # # # # #	A-29 (Well) A-29 A-29 A-29 A-29 A-29 A-29 A-29 A-29	12/28/82 1/5/83 1/7/83 1/7/83 1/7/83 1/10/83 1/12/83 1/14/83 1/17/83 1/19/83	25.0' 22.77' 22.77' 22.77' 22.77' 22.77' 22.77' 22.77' 22.77'	14.20'(9:31 a.m.)	At completion well installed Prior to pump-down of water leadfter pump-down. After partial recovery.

Overflow Retention Facility and Pump Station Locations Erie County Sewer District No. 4 Depew and Lancaster, New York Page 2

(2

Boring No.	Date	Bottom of Hole	Water Depth	Remarks
A-30 A-30 (Well) A-30 A-30 A-30 A-30 A-30 A-30 A-30 A-30	12/28/83 1/6/83 1/7/83 1/10/83 1/10/83 1/10/83 1/12/83 1/14/83 1/17/83 1/19/83 1/21/83	25.0' 25.0' 24.77' 24.77' 24.77' 24.77' 24.77' 24.77' 24.77' 24.77'	16.63 16.63'(9:19 a.m.) 16.64'(9:27 a.m.)	At completion well institled @2: Prior to pump-down of whiter leve After pump-down. After partial recovery.
A-31 A-32	1/10/83 12/20/82	33.0' 24.5'	12.0'	- -

HAZARDOUS WASTE SITE PROFILE
REPORT FOR
VILLAGE OF DEPEW
315 BORDEN ROAD, DEPEW
SITE #915105

Prepared by:
Erie County D.E.P.
February 1985
Melvin H. Szymanski
Principal Env. Quality
Technician

ADVISORY NOTF

The information contained in this document is presented to show environmental conditions, comparisons to ambient environmental standards and criteria and compliance status relative to applicable environmental regulations.

Any use of this information to assess the risks to personal or public health, identify potential personal or public liability or to estimate the costs of remedial activity should only be done after consultation with appropriate government agencies or private consultants.

VILLAGE OF DEPEW
315 BORDEN ROAD
DEPEW, NEW YORK 14043
SITE #915105

The site is listed on page 9-311 in the December 1983 Appendix Volume 3 of <u>Hazardous Waste Sites in New York State</u> prepared by N.Y.S. D.E.C.. The site was described as formerly used by the Village of Depew and Arcata Graphics for disposal of paper, dust, wood and general refuse. "There is no evidence of any significant environmental problem," according to the report.

This profile report was prepared for the New York State D.E.C. in accordance with the State/County agreement.

Location

The site is located at 315 Borden Road, Depew, New York adjacent to the north bank of Cayuga Creek.

Background

From conversations with Village of Depew and County of Erie personnel, it was learned the site was used as a landfill for general refuse until 1961. A file review of state and county inspections performed in the 1970's indicate that there was no evidence of landfill activity during that period.

In 1983 ownership of the landfill area was transferred from the Village of Depew to the County of Erie for the purpose of constructing an Overflow Retention Facility (ORF) for the County Sewer District #4. During excavation for ORF construction, a portion of the buried refuse was removed and hauled to Niagara Landfill in the Town of Tonawanda. A survey by Krehbiel Associates, project engineers, estimated that 59,785 cubic yards of material was removed from the site.

NYSDEC, ECDEP and ECHD files do not have any record of any landfill permits issued for this site.

Aerial Photography

Aerial photographs for 1950 and 1960 show a disturbed area in the oxbow bend of Cayuga Creek. The active area did not extend much beyond this bend. In the 1972 photo the area appeared to be covered and graded, but not much vegetation was in evidence.

Field Inspection

A site inspection was conducted on February 13, 1985. The walls of the retention basin had been completed and backfilled. There was no refuse visible on the surface of the backfill material. There was no evidence of leachate running into the creek.

Project progress photos which the contractor provided the county, were reviewed. These photos showed that the excavation went right down to clean earth. A fabric liner was placed on the bottom of the excavation. Crushed stone and gravel were placed on top of the liner to serve as a base for the concrete floor of the basin.

The ORF project should be completed in June of 1985. The area will then be graded and seeded.

Environmental Data

 $\frac{\text{Soil}}{6.5}$. The soil is sandy and coarse textured with a ph less than $\frac{6.5}{6.5}$. The soil contains less than 30% sand and less than 18% clay. Permeability is moderately slow.

Bedrock - Limestone bedrock is at depth's greater than 4'.

Water - The natural water table is 3' to 10' below the surface. Surface water will runoff into Cayuga Creek. Although the site is located in the 100 year floodplain, information provided by the Village of Depew Supwintendent of Public Works indicated that the Creek rarely overflowed its banks in the site area.

Landuse - Areas immediately to the east and west are open fields. To the north and south areas are residential.

Sampling - There is no record of any soil or groundwater sampling at this site.

Conclusion

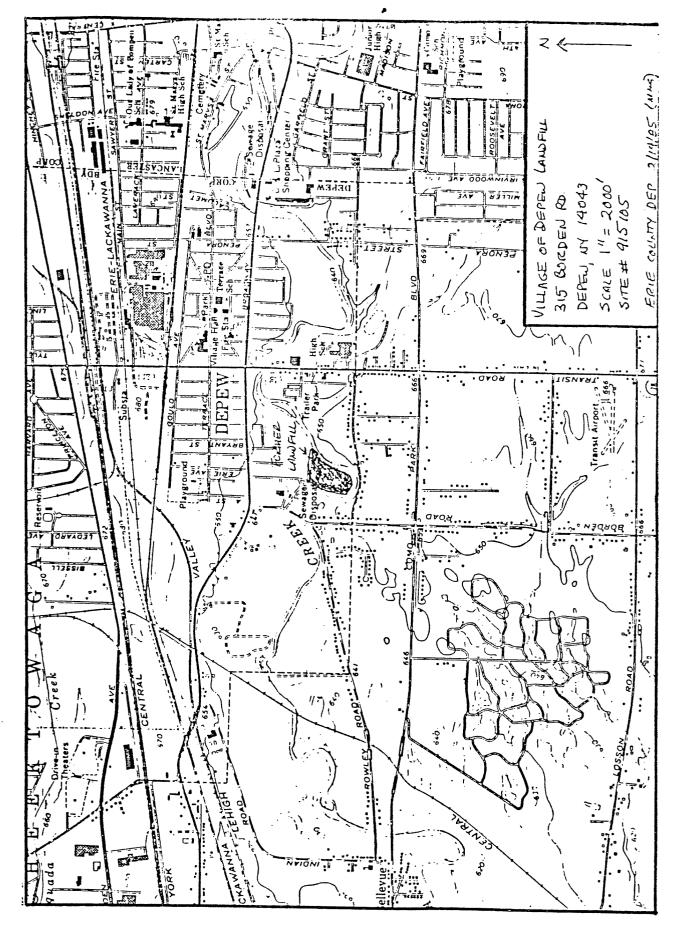
There was no evidence to indicate that any hazardous or toxic material was landfilled at this site. This site does not pose any known threat to the environment.

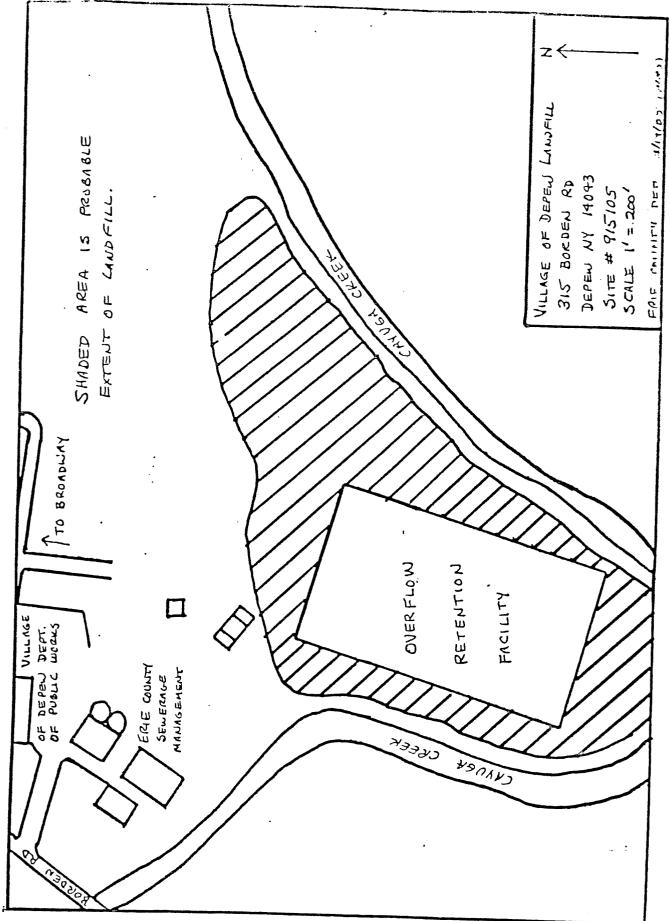
Recommendation

Upon completion of the ORF project, when grading and seeding is done, a final inspection of the landfill will be conducted. At that time it can be determined if the site should be recommended for removal from the hazardous waste site list.

A copy of this report should be sent to the Secretary of the Erie County Sewer District #4, the current owner of the site.

dc:015





MAPS PREPARED BY URS ENGINEERS JAMUARY 1980

719 - 1A - 0Slope Soil Interpretation

719 - 2A - 0Soil Permeability Interpretation

719 - 3A - 0Depth of Bedrock

719 - 4A - 0Potential For Overland - Near Surface Flow To Nearby Drainage Ways 719 - 5A - 0

Depth of Natural Water Tables 719 - 6A - 0

Soil Slumping & Flooding Potentials 719 - 74 - 0

Potential of Polluting Regional Internal Watertable 719 - 8A - 0

Subsoil Reaction Map

719 - 9A - 0Bedrock Formation

719 -10A - 0 Soil Texture - Soil Structure

DATA SOURCES FOR ABOVE LISTED MAPS

- (1)General Soil Map and Interpretation, Erie County, 1979. USDA Soil Conservation Service And Cornell University Agricultural
- Unpublished Soil Survey Field Sheets, Erie County, N. Y. National Co-operative Soil Survey
- Geology Of Erie County, E. T. Buehler, I. H. Tesmer, Buffalo Society of Natural Sciences Bulletin, Vol. 21 # 3.
- FLOOD PLAINS NATIONAL FLOOD INSURANCE PROGRAM MAPS В. APR. 30, 1983
- С. WETLANDS NYS/DEC MAPS WETLAND INVENTORY PREPARED BY ECDEP PLANING DIVISION MAY 1981. UPDATED NOV. 1984.

D. AERIAL PHOTOGRAPHY

- 1951 U. S. Dept. Of Agriculture, Production & Marketing Administration (Robinson Aerial Surveys, Flying Completed Oct. 18, 1951)
- 1960 Erie County Planning Board (American Air Surveys Inc., Flights on April 28, 1960 and May 2, 1960)
- 1972 Erie County (Aero Service, Houston, Tex, Flights in Spring

PERSONNEL INTERVIEWED

- Ron Pontrello, Asst. Project Engr., ECDEP Sewerage Manage-1. (On site Feb. 13, 1985, Telecons Feb.19, 1985 & Mar.6,1985).
- Ron Kreavy, Sewer Insp., ECDEP Sewerage Management (Dist.#4) 2. (On site Feb. 13, 1985).
- Vincent LiPuma, Supt. of Public Works, Village of Depew 3. (Telecons Feb. 19, 1985 & Mar. 26, 1985).

IRE COUNTY

50,000 font grid based on New York coordinate System, east zone

ERIE COUNTY PLANTING DEPARTMENT

1980 CENEUS TRACTS

Tract Boundaries

Tract Boundaries Extending to the Internations' Boundary

Tract Forcen

Source: U.S. Bureau of the Census 1980.

Prepared Erie County Department of Environment and Planning,
Division of Planning October 1980.

US CENSUS DATA, 1980

US Census Data used in the HRS scoring was obtained from various County Planning Offices. This data was not obtained from a report. The raw census data combined with County Planning Maps was used to estimate the population within 1, 2, 3, and 4 miles of the Phase I site being investigated. Because of the voluminous amount of data used, the data is not provided in this Appendix.

ES AND D&M SITE INSPECTION

Observations made during the ES and D&M Site Inspections are provided on US EPA Forms 2070-12 and 2070-13. Field notes were used to complete these EPA Forms, and are not included herein.

KREHBIEL ASSOCIATES INC.

1870 NIAGARA FALLS BLVD

TONAWANDA, N.Y. 14150

716-693-9300

January 20, 1986

ENGINEERS
SURVEYORS
ARCHITECTS
CONSTRUCTION MANAGERS
PLANNERS
ENERGY CONSULTANTS

Engineering-Science, Inc. Two Flint Hil 1052l Rosehaver Street Fairfax, VA 22030-2899

Attention:

Cathy J. Bosma

Civil Engineer

Re:

Village of Depew

Overflow Retention Facility

Dear Ms. Bosma:

This letter is to confirm our telephone conversation of Wednesday, January 15, 1986 regarding the dump site in the Village of Depew.

We have reviewed our files on the Overflow Retention Facility project and they indicate that phenol was present in the foundry sand used for cover materials and that the Buffalo Office of the New York State Department of Environmental Conservation was made aware of this. No tests were made of this material and to the best of our knowledge, no records are available as to the quantity on that site.

If you have any questions or comments, please feel free to call.

Very truly yours,

KREHBIEL ASSOCIATES, INC.

Robert H. Labenski, P.E.

RHL/crm 86K01 m-202

Lancaster Reclamation, 5/85

DRAFT

REF- 7

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PHASE I INVESTIGATION

Lancaster Reclaimation
Town of Lancaster

Site No. 915069 Erie County

Date: May 1985



Prepared for: New York State Department of Environmental Conservation

50 Wolf Road, Albany, New York 12233 Henry G. Williams, Commissioner

Division of Solid and Hazardous Waste Norman H. Nosenchuck, P.E., *Director*

By:
ENGINEERING-SCIENCE
In Association With
DAMES & MOORE

SITE CONTAMINATION

The 13-acre Lancaster Reclamation, Inc. site has been used as an industrial waste landfill since 1976. The waste types and quantities of waste disposed at the site are presented in Table IV-1. Also shown are hazardous constituents of concern. A detailed constituent analysis of each waste is given in the Appendix.

Beginning in 1976, Lancaster Reclamation, Inc. landfilled on-site, bentonite clay slurry and foundry sand in four excavated lagoons on the southern portion of the site (see Figure IV-1). The bentonite slurry contained 90% water; 96,000 cubic yards were placed in the lagoons and dewatered by evaporation prior to burial. Foundry sand was also used to In the 1980's the clay slurry was thickened before thicken the slurry. Analytical data on filtrate (i.e., water landfilling (Ferry, 1985). fraction) of the slurry indicates the presence of zinc, chlorides and The concentration of zinc exceeds the limits for TOC (see Appendix). discharge to groundwaters in New York State. A leachate test also found significant concentrations of phenol in the foundry sand that was landfilled with the clay slurry. Both the bentonite slurry and the foundry sand wastes were generated by Dresser Industries (Wendel Engineers, 1976).

Beginning in 1978, approximately 1.7 million gallons of foundry sand slurry were placed in the lagoon (Ferry, 1985). The slurry consisted of sand fines produced from foundry wastewater treatment at the Chevrolet Division of General Motors in Tonawanda, New York. The slurry contained 65% water and dewatering was accomplished by (1) injecting air into the waste to promote evaporation, or (2) decanting the liquid and applying it on the land by spray irrigation (Wendel Engineers, 1979). An analysis of several waste streams contained in the slurry found significant amounts of oil (up to 21,000 ppb) and detectable amounts of PCBs. Leachate tests also revealed concentrations of selenium, cadmium, and lead in excess of New York State's discharge limits to groundwaters; however, concentrations in leachate did not exceed the levels established for EP toxicity.

Beginning in January 1979, an asbestos-containing waste slurry consisting of 20% portland cement, 5% asbestos, 10% glass fibers and 65% water was pumped into the waste lagoons. The slurry was dewatered using the same techniques described for the bentonite and foundry sand slurries. Aware that the spray irrigation and air sparging methods could potentially increase the potential for airborne entrainment of asbestos, the Town Board of the Town of Lancaster restricted the disposal of the asbestos slurry in June 1979. By then, a total of 7,000 gallons of the asbestos slurry had been disposed at the facility (Ferry, 1985).

In October 1980, Lancaster Reclamation, Inc. began accepting shot blast dust generated from steel casting operations at Dresser Industries. Prior to disposal, the shot blast was mixed with foundry sand. The estimated quantity of this shot blast dust is included in the estimated for the foundry sand presented in Table IV-1. A leachate analysis of the shot blast dust found concentrations of phenol in excess of NYS limits for discharge to groundwaters.

Starting in June 1981, Lancaster Reclamation, Inc. received 120,000 gallons of wallpaper production wastes from Reed Holdings, Inc. (Ferry, 1985). The wastes included surface print waste, prepaste polymer and prepaste alkali. A description of the compostiion of each waste type is presented in the Appendix. EP Toxicity tests were also conducted on each waste and results of the tests show that the contaminants analyzed for were below the test limits. However, other organic pollutants which may be present (e.g., solvents) in these wastes were not tested for.

In 1982 and 1983, Lancaster Reclamation, Inc. disposed 9,000 cubic yards of oil sludge from bus garage catch basins (Ferry, 1985). These sludges were received from the Sweet Home Central School and Ormsby Vocational School bus garages. The oil and grease content of the Sweet Home Central School sludge was 3.07%. To prevent oil from leaching from the waste, the NYSDEC requested that Lancaster Relcamation, Inc. mix the oily sludge with diatomaceous earth (NYSDEC, 1982).

Since 1980, Lancaster Reclamation, Inc. has conducted semi-annual water analyses of surface water and groundwater. Surface waters from the southeast lagoon and an aerated basin in the northeast portion of the site called the "green machine" were included. During these sampling efforts, groundwater samples were collected from a monitoring well in the eastern portion of the site and a deep water supply well located in an on-site barn. Samples were sent to ARO Corporation Environmental Laboratory for analysis of conductivity, pH, phenols, TOC and iron.

Presented in Table IV-2 are the analytical results for phenol and TOC of the groundwater monitoring conducted at the Lancaster Reclamation site from January 1980 until March 1984. The concentrations of phenols in the west well are below the water quality standards for Class GA groundwater standards with the exception of one sampling event conducted in February 1981 (0.003 mg/l). However, the west well occurs in the deep bedrock aquifer which may not be hydraulically connected to the lagoon waters containing higher concentrations of phenols (see Table IV-3).

The concentrations of phenol in the east well are higher as compared to the west well. Phenol concentrations have exceeded the Class GA groundwater standards for all but one of the sampling events over the same period of time. However, the east well occurs in a shallow aquifer which is more likely to be hydraulically connected to the contaminated cell and surface waters.

Presented in Table IV-3 are the results for phenols and TOC of surface water monitoring conducted at the Lancaster Reclamation site. As indicated in the table, the concentration of phenols in all of the surface impoundments has exceeded the water quality standards for Class GA waters in New York State on several of the sampling events. However, with the exception of these excursions, the concentrations of phenols are low. TOC concentrations are also generally found at insignificant concentrations in the surface impoundments.

TABLE IV-2
SUMMARY OF GROUNDWATER DATA FOR SELECTED PARAMETERS
FOR THE LANCASTER RECLAMATION SITE

Parameter (mg/l)	Groundwater Quality Standards ^a	East Well	West Well
March 1984			
Phenol	0.001	< 0.09	< 0.001
TOC	an an an '	18.8	13.2
June 1983			
Phenol	0.001	0.010	< 0.001
TOC	40 40	8.4	9.1
July 1983			
Phenol	0.001	< 0.001	< 0.001
TOC		7.9	3.7
April 1982			
Phenol	0.001	0.040	< 0.001
TOC		11.2	3.8
August 1981	-		•
Phenol	0.001	< 0.001	< 0.001
TOC		1.0	16.5
February 1981			
Phenol	0.001	0.010	0.003
TOC		6.5	3.0
October 1981			
Phenol	0.001	0.044	< 0.001
TOC	us 00-00	6.1	3.4
June 1980			
Phenol	0.001	0.068	< 0.001
TOC	wa wa wa	8.0	3.4
January 1980			
Phenol	0.001	0.125	< 0.001
TOC	400 400 MI	8.7	22.6
	1		

SOURCE: ARO Corporation, Analytical Results for Lancaster Reclamation

Water Quality Standards for Class GA Groundwater for the State of New York.

TABLE IV-3
SUMMARY OF SURFACE WATER DATA FOR SELECTED PARAMETERS
FOR THE LANCASTER RECLAMATION SITE

Parameter (mg/l)	Groundwater Quality Standards ^a	Final Pond	Southeast Cell	Green Machine
March 1984				
Phenol	0.002	< 0.001	0.023	< 0.001
TOC	400 600	14.4	15.5	22.9
June 1983				
Phenol	0.002	< 0.001	0.001	< 0.001
TOC	· · · · · · · · · · · · · · · · · · ·	5.2	4.8	2.4
July 1983				
Phenol .	0.002	< 0.001	< 0.001	< 0.001
TOC		3.7	32	7.9
April 1982				
Phenol	0.002	< 0.001	< 0.001	0.003
TOC		7.8	11.2	7.8
August 1981				
Phenol	0.002	< 0.001	< 0.001	< 0.001
TOC		5.0	5.0	14.0
February 1981		,		
Phenol	0.002	0.005	0.086	0.018
TOC		< 0.5	2.0	6.5
October 1981				
Phenol	0.002	< 0.001	< 0.001	< 0.001
TOC	unp disp-min	9.6	6.7	2.1
June 1980	•			
Phenol	0.002	< 0.001	< 0.001	< 0.001
TOC	**************************************	5.0	13.0	14.0
January 1980				
Phènol	0.002	< 0.001	< 0.001	< 0.001
TOC		30.0	24.5	27.8

SOURCE: ARO Corporation, Analytical Results for Lancaster Reclamation

Water Quality Standards for Class GA Groundwater for the State of New York.

ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PHASE I INVESTIGATION

Land Reclaimation Town of Cheektowaga Site No. 915070 **Erie County**

Date: May 1985



Prepared for: New York State Department of **Environmental Conservation**

50 Wolf Road, Albany, New York 12233 Henry G. Williams, Commissioner

Division of Solid and Hazardous Waste Norman H. Nosenchuck, P.E., Director

> By: **ENGINEERING-SCIENCE** In Association With DAMES & MOORE

heavy metals (i.e., lead, cadmium, and manganese) in several of the samples collected exceeded the effluent water quality standards for Class GA groundwater in the State of New York. Furthermore, all of the samples analyzed had phenol concentrations which exceeded the groundwater standards.

Surface water samples were collected from seven sampling sites at the Land Reclamation Landfill site. Table IV-5 shows those parameters that were found at concentrations exceeding the NYS effluent standards for Class GA surface waters. These include chloride, sodium, arsenic, chromium, lead, and mercury. Phenols and PCBs (Aroclor 1248) also exceeded state standards. The remaining surface water data collected during the hydrogeologic investigation are presented in the Appendix.

Table IV-6 lists the location of each sampling point, the potential sources of contamination at that point, and the contaminants which exceed NYS standards. As can be seen from the table, interpretation of surface water data is limited by the fact that the landfill is not the only potential source of the metals and organic compounds listed in Table IV-4. These additional sources include the Depew Sewage Treatment Plant, located upstream of SP1, and stormwater runoff from Indian Road (transported by a sewer pipe that underlies the landfill site). Therefore, without sufficient background data that further defines the nature of these potential sources, it is not possible to definitively attribute the observed contaminants to a source.

Routine Monitoring

Groundwater and surface water monitoring has been conducted at the Land Reclamation Landfill since the hydrogeologic investigation was completed in 1979. For approximately one and one-half years, the surface water points and the groundwater monitoring wells were monitored and analyzed for an expanded list of parameters. This monitoring effort was conducted to establish baseline water quality data. With the exception of December 1983 and March 1984, the landfill has since been monitored on a quarterly basis for indicator parameters only (pH, chloride, con-

TABLE IV-3
SUMMARY OF WATER QUALITY ANALYSES FROM TEST PITS
AT THE LAND RECLAMATION LANDFILL SITE

Parameter (mg/l)	Groundwater Quality Standard ^a ,	TP3 3/8/79	TP4 3/21/79	TP12 3/8/79
Lead	0.025	0.61 <	0.02	0.96
Mercury	0.002	< 0.002 <	0.0005	0.02
Iron	0.30	17	0.05	100
Manganese	0.30	3.8	0.62	4.7
Cadmium	0.01	0.015	0.010	0.022
Phenols	0.001	2.2	0.21	0.78
PCBs (ug/l)	0.10	0.36		****
(Aroclor 1248)				

SOURCE: RECRA Research and Wehran Engineering, 1979.

^a 1978 NYS Effluent Standards for Class GA Groundwaters.

SUMMARY OF 1979 GROUNDWATER DATA FOR SELECTED PARAMETERS

FOR THE LAND RECLAMATION LANDFILL SITE

Parameter (mg/l)	Groundwater Quality Standards ^a	· ₩∈ 3/8	ell 1 3/21	We] 3/8	ll 2 3/21	₩e 3/8	ell 3 3/21
Phenol	0.001	0.027	<0.005	0.040	<0.005	0.011	<0.005
Lead	0.025	<0.03	< 0.02	< 0.03	< 0.02	< 0.03	< 0.02
Cadmium	0.010	0.005	0.006	0.002	0.012	0.003	0.010
Manganese	0.3	0.09	0.03	1.2	1.0	0.17	0.17

SOURCE: RECRA Research and Wehran Engineering, 1979.

a 1978 NYS Effluent Standards for Class GA Groundwaters.

TABLE IV-5

SUMMARY OF 1979 SURFACE WATER MONITORING AT THE LAND RECLAMATION LANDFILL SITE

Sodium (mg/l)	1	8.7	6.9	590 546	230 343	8.8 8.8	8.5 10.9	7.7
Mercury (ug/l)	4.0	1.0	< 0.8 < 0.5	< 0.8 < 0.5	< 0.8 < 0.5	< 0.8 < 0.5	< 0.8 < 0.5	0.9 0.5
Manganese (mg/l)	9.0	0.02	0.04	1.5 1.4	0.66	0.05	0.04	0.04
Lead (mg/l)	0.05	< 0.03 < 0.02	0.13	0.03	0.03	< 0.03 0.03	< 0.03 0.07	0.18
Chromium (mg/l)	0.10	< 0.003 < 0.003	< 0.003 0.260	< 0.003 0.010	900.0	0.003	< 0.003 0.030	< 0.003 0.192
Arsenic (mg/l)	0.05	7.9	5.8 < 1.3	5 < 1.3	5.6 < 1.3	<pre></pre>	<pre> < 5 < 1.3</pre>	6.3
PCB (ug/l)	0.10	< 0.10 < 0.10 < 0.10	< 0.10 < 0.10 <	4.05	< 0.10 < 0.10 < 0.10	< 0.10 < 0.10 < 0.10	< 0.10 < 0.10 < 0.10	< 0.10 < 0.10 <
TOX (ug/1)	1 1 1	0.81	0.20	3.27	0.54	0.38	0.46	0.28
Phenols (mg/l)	0.002	0.014	0.008	0.27	0.10	0.018	0.012	900.0
TOC (mg/l)	1	12.4	12.5	150,000 24.3	64.0	13.1	16.1	15.0
Chloride (mg/l)	200	31.4	27.5	1,460 11,270	660 870	30 22.8	11.2	23.0 19.4
Test Site and Date	Water Quality ^a Std.	S1 - 3/8 3/21	S2 - 3/8 3/21	s3 - 3/8 3/21	S4 - 3/8 3/21	s5 - 3/8 3/21	S6 - 3/8 3/21	<i>S7</i> - 3/8 3/21

SOURCE: RECRA Research and Wehran Engineering, 1979

d 1978 NYS Effluent Standards for Class GA Surface Waters

Vince LiPuma (Village of Depew) INTERVIEWEE/CODE Bob Labinski (Krehbiel Associates)
TITLE - POSITION_
ADDRESS
CITY Village of Depew STATE NY ZIP
PHONE () LiPuma - 716-683-5700 RESIDENCE PERIOD TO
LOCATION Labinski - 716-693-9300 INTERVIEWER Cathy J. Bosma
DATE/TIME 2-12-88 / 1 p.m 1:30 p.m.
SUBJECT: Phase I Site Investigation - Village of Depew Landfill
REMARKS: I asked about the use of Cayuga Creek. Responses-
Bob Labinski - No authorized swimming. Kids fish in creek. No boating
Water is not used for drinking water within 3 miles of the
site. The towns and villages within 3 miles receive drinking
water for Erie County Water Authority who draws water from
Lake Erie.
Vince LiPuma - Kids fish for bass and salmon in the creek. No recreational-
use. No knowledge of drinking water use.
•
T
I agree with the above interview summary:
Signature/Title:
Comments:

INTERVIEWEE/CODE Bob Labinski (Krehbiel Associates) and 1
TITLE - POSITION Vince LiPuma (Village of Depow.
ADDRESS
CITY Village of Depais STATE NY ZIP
PHONE () . RESIDENCE PERIOD TO
PHONE () RESIDENCE PERIOD TO LOCATION: Labinski — (716) 683-5700 INTERVIEWER (Integ) - Broma
DATE/TIME 2-12-88 / 1 / pm - 1:30 pm
SUBJECT: Phase I Site Insustigation - Village of Copic Jundali
REMARKS: I Asked about the use of Cayuge Creek. Response— Bob Labinski: no authorized suvimming. Kirls death in the Creek No boating Water is not used for drinking water within 3 miles of the set of the towns and villages within 3 miles a series drinking water from Eric to unter tuthority who assure water from Lake Eric. Vince Li Puna: Kids fich for Adas and salmon
no representational rise
no hordedge of drisking water use
- 10 Whoreen by muravering would
I agree with the above interview summary:
Signature/Title:
Comments:

ES ENGINEERING-SCIENCE

Mantin, 1996 REF. 10

INTERVIEWEE/CO	DDE Al Martin			
TITLE - POSIT	ION Mechanical Engineer -	- Dresser Indust	ries	
ADDRESS	#2 Main St.			
VIIIge Dep	ew	STATE NY	ZIP_	14043
PHONE (71	6) 683-6003	RESIDENCE PER	TOD	o <u></u>
LOCATION-		INTERVIEWER	Cathy J.	Bosma
DATE/TIME	1/17/86 / 10:10	a.m.		
SUBJECT: Vill	age of Depew Landfill - Pha	ase I Site Inves	stigation	
Village compound	r. Martin was not aware of of Depew Landfill, or whethers. Foundry sands, starting (resins).	er the sands had	l been test	ed for phenolic
binders	(resins).			
	in will check to see if anyo	one else at Dres	sser is awa	re of phenolic
Quantity	of foundry sands placed at	Village of Depe	ew landfill	is unknown
Foundry	sands from Dresser were sen	t to several loo	cations in	the area.
I agree wit	th the above interview summ	ary:		
Signature/	Title: /s/ A. Martin			
Comments:	None	-		

INTERVIEWEE/CODE / Masten
TITLE - POSITION Mechanic Engineer - Wrosser Industries
ADDRESS #2 Main At
VILLAGE Depose STATE NY ZIP 14043
PHONE (7/6) 683-6003 RESIDENCE PERIOD TO
LOCATION INTERVIEWER MATHY O BOOM a
DATE/TIME 1-17-86 / 10:10am
SUBJECT: Village of Depen Sandfill-Phase I Site Investigation
REMARKS: Mr. Martin was not aware of foundry sonds
being seased in the Wellage of Began Sandfell, or
whither the sands had been tested for phenolio
Oxypounds. Froundry sands, Starting in the late
· 1950, D. Montained phenolie binkers (ressins).
Mr. Martin will check to Del if renejone absor at
Areson is a more of term-givenolin testing of
p. Joundy sands
Quantity of Joining sound flaced at illage of
Degue landfell is unknown. Tounday zando
from husers were sent to a veral locations in
the ance
I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:
SIGNATURE: / SUMMETS
COMMENTS:
Nac
•

Memory, 1/86
REF-

INTERVIEWEE/CODE Mike Mc Murray			/
TITLE - POSITION Environmental Ana.	lyst		
ADDRESS 600 Delaware Ave			
CITY Buffalo	STATE NY		ZIP 14202
PHONE (716) 847- 4551	RESIDENCE	PERIOD	TO
LOCATION DEC Regulatory Affairs-Buffal	o INTERVIEWE	R_Eric_	Nve - D&M
DATE/TIME 1/3/86 /		· .	
SUBJECT: Wetlands & flood info - Reg	ion 9		
REMARKS: Met with Mike who gave me ac maps for local region.	cess to both w	etland_	and floodway
*Also left site locations for the	identificatio	n of wi	.ldlife critical
•		•	
habitat and national wildlife ref	uges		
There is a wetland located 0.8	miles from si	te (NW-	-LA-7)
	-		
•			
:			
_			
I agree with the above interview sum	mary.		
Signature/Title: /s/ Mike McMurray	•	tal Ana	lvst
Comments:			

Mc Murry Mc Murry
INTERVIEWEE/CODE MIKE MACHURRY
TITLE - POSITION ENVIRONMENTAL ANALYST
ADDRESS 600 Valumare Ave
CITY Buffel. STATE N.V. ZIP 14202
PHONE (716') 649 - 275 847-455/ RESIDENCE PERIOD TO
DATE/TIME 1/3/86 / BUFFALO
SUBJECT: WETLANDS & FLOOD INFO- REGION 9
REMARKS: MET WITH MIKE WITO LAVE ME ACCESS TO BOTH WETLAND
AND FLOODWAY MAPS FOR THE LOCAL REGION / MINO
- / / / / / / / / / / / / / / / / / / /
ALSO LEFT SITE LOCATIONS FOR THE IDENTIFICATION OF WILDLIFE
CRITICAL HABITAT & WILDLIFE REFUGES
The state of the s
There is a wetland located 0.8 miles from site
(NW-LA-7)
~ 17
1
<u> </u>
I agree with the above interview summary:
Signature/Title: Michael J M. Muny Environmenta Analyst
Comments:

•

NYS WETLANDS MAPS

NYS Wetlands Maps were reviewed during the Phase I investigation. Individual maps for each site were not obtained and are, therefore, not included in the Phase I reports. Site specific information collected concerning the location of a wetland within 1 mile of a given site is recorded in the documentation section of each report.

NYSDEC, 1/85

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE INACTIVE HAZARDOUS WASTE DISPOSAL SITE REPORT

CLASSIFICATION CODE: 2a

REGION: 9

SITE CODE: 915105

NAME OF SITE : Village of Depew

STREET ADDRESS: 315 Borden Road

TOWN/CITY:

COUNTY:

ZIP:

Depew

Erie

SITE TYPE: Open Dump- Structure- Lagoon- Landfill-X Treatment Fond-Acres

ESTIMATED SIZE:

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME....: Village of Depew

CURRENT OWNER ADDRESS.: Gould Ave., Depew, NY 14043

OWNER(S) DURING USE...: Village of Depew OFERATOR DURING USE...: Village of Depew

OFERATOR ADDRESS.....: Gould Ave., Depew, NY 14043

PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From Unknown To 1977

SITE DESCRIPTION:

This site was formerly used by the Village of Depew and Arcata Graphics to dispose of paper, dust, wood and general refuse.

HAZARDOUS WASTE DISPOSED: Confirmed- Suspected -X

____IYEE____ _____QUANTITY_(units)____

None Known

SITE CODE: 915105

ANALYTICAL DATA AVAILABLE:

Air- Surface Water- Groundwater- Soil- Sediment- None-X

CONTRAVENTION OF STANDARDS:

Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE..: None State-Federal-

STATUS: In Progress- Completed-

REMEDIAL ACTION:

Proposed- Under Design- In Progress- Completed-

NATURE OF ACTION: None

GEOTECHNICAL INFORMATION:

SOIL TYPE: Not Known

GROUNDWATER DEFTH: Not Known

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

There is no evidence of any significant environmental prolbem. The site should be closed properly.

ASSESSMENT OF HEALTH PROBLEMS:

Insufficient Information

FERSON(S) COMPLETING THIS FORM:

NEW YORK STATE DEPARTMENT OF

ENVIRONMENTAL CONSERVATION

NAME .: J. Heil, P.E.

TITLE: Assoc. San. Eng.

NAME .: R.A. Olazagasti

TITLE: SWMS

DATE .: 01/10/85

NEW YORK STATE DEPARTMENT OF HEALTH

NAME .: R. Tramontano

TITLE: Bur. Tox. Sub. Asses.

NAME .:

TITLE:

DATE .: 01/10/85

Page 9 - 310

INTERVIEWEE/CODE John Ozard	
TITLE - POSITION Senior Wildlife Biologist, Significant Habitat	Unit
ADDRESS NYSDEC Wildlife Resources Center, Building 8	
CITY Delmar STATE NY ZIP	12054
PHONE (518) 439-7486 . RESIDENCE PERIOD	TO
LOCATION	. Ryan .
DATE/TIME Jan. 17, 1986 / 3:00 p.m.	
SUBJECT: Sensitive environments in NY	•
There are no federally designated critical habitats of er	dangered species
located within New York State	
There are 16 map sets (1:250000) which show icologically	significant areas
within the state and copies will be sent to us for future use.	•
·	•
•	pus **
I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:	
SIGNATURE: /s/ John W. Ozard	
COMMENTS: The 1:250000 scale maps show state potent. significant	wildlife habitats

REF

14

INTERVIEWEE/CODE John Open
TITLE - POSITION Sonio Wildlife Birrows, Significant Holad Uni
ADDRESS NYSDEC Wildlife Resorraces Contex, Building 8
ADDRESS NYSDEC WILMLIG RESONNES CONTON, Building & CITY Delman STATE n.y. ZIP 12054
PHOLE (518) 439-7486 RESIDENCE PERIOD TO
LOCATION phone convenation interviewer disa a Ryan
DATE/TIME 17, 1986 / C3:00
SUBJECT: Sensitive Environments in D.y.
9 .
REMARKS:
- There are no federally designated critical habitate of endangered species located within New yorks
of endangered species lasted within New yorks
State
- There are 16 map sets (1:250000) which show
icologically significant areas within the state
and copies will be sent to us for future use
I AGREE WITH THE ABOVE SUMMARY OF THE INTERVIEW:
SIGNATURE:
COMPENSE
COMMENTS:
•

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL PROTECTION
BUREAU OF PUBLIC WATER SUPPLY PROTECTION

Community Water System Sources

15

32

ERIE COUNTY

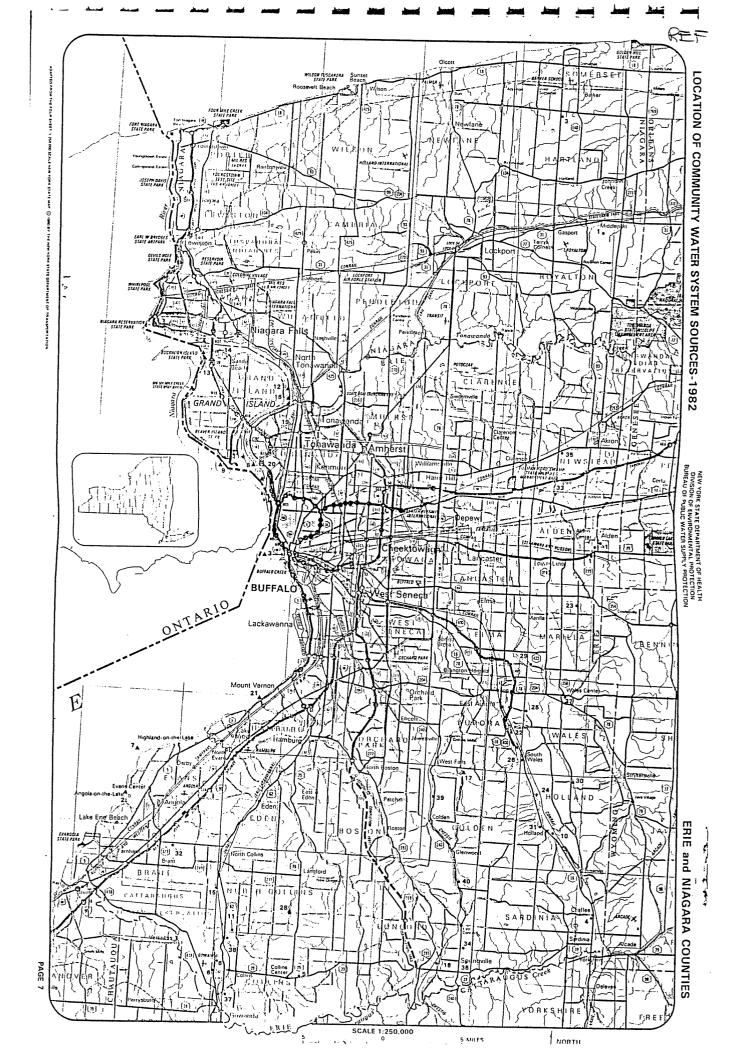
	<u> </u>	. M Niagara River - East Branch
SOURCE	Wells Lake Erie Lake Erie Wells Wells Wells Wells	Niagara River Niagara River Wells Niagara River
) NO COMMUNITY WATER SYSTEM POPULATION Municipal Community	Akron Village (See No 1 Myoming Co, 1864) Page 10)	(Van DeMater Intake) Grand Island Water District #2. Holland Water District Lawtons Water Company. Lockport City (Niagara Co). Niagara County Water District (Niagara Co). North Collins Village. North Collins Village. Occhard Park Village. Springylle Village. Tonawanda Water District #1. Wanakah Water Company.
ID NO Municip	Nwzwo- (®) 20155545 5555555

22 Autora Mobile Park.
24 Gircle Gardens Mobile Home Park.
25 Gircle Gourt Mobile Park.
25 Grate Gourt Mobile Park.
26 Grates Gourt Mobile Park.
27 Donnelly's Mobile Home Park.
28 Govanda State Hospital.
31 Montal State Hospital.
31 Mobile Gardens.
32 Milliside Estates.
33 Milligrove Mobile Park.
34 Mork Apartments.
35 Mobile Grove Trailer Gourt.
36 Mobile Park.
37 Springvood Mobile Park.
38 Springville Mobile Park.
39 Valley View Mobile Court.
39 Valley View Mobile Court.

Non-Municipal Community

NIAGARA COUNTY

unicipal	Municipal Community					
COC						
E N	Lockport City (See No 12, Erie Go). 25000 Middleport Village	2000.	Wells (Springs)		
N S	(See No 13, Erie Co) 48 North Tonavanda City (See also No 14 77384Niagara River - East Branch North Tonavanda City (See No 16 36000	. 77384.	Niagara	River -	East	Branc



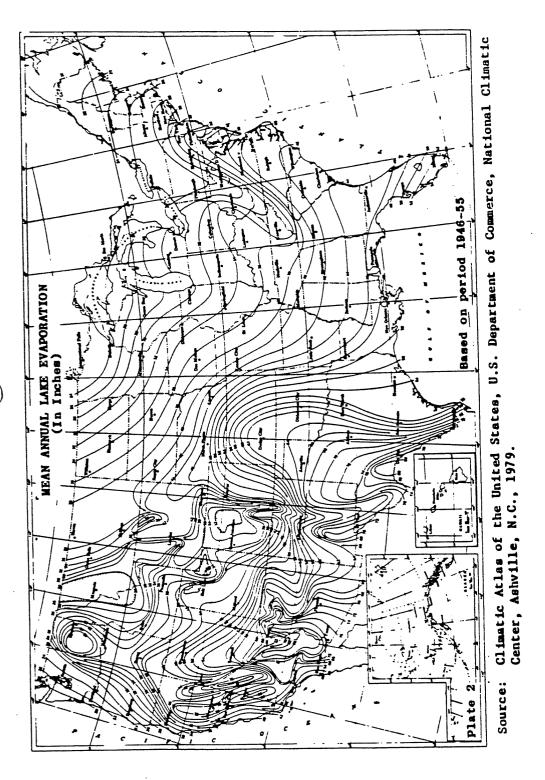
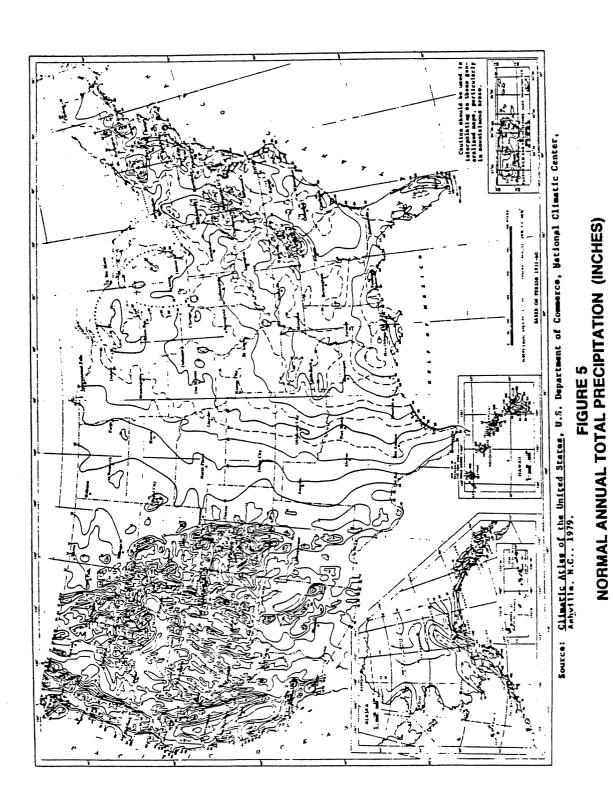


FIGURE 4
MEAN ANNUAL LAKE EVAPORATION
(IN INCHES)



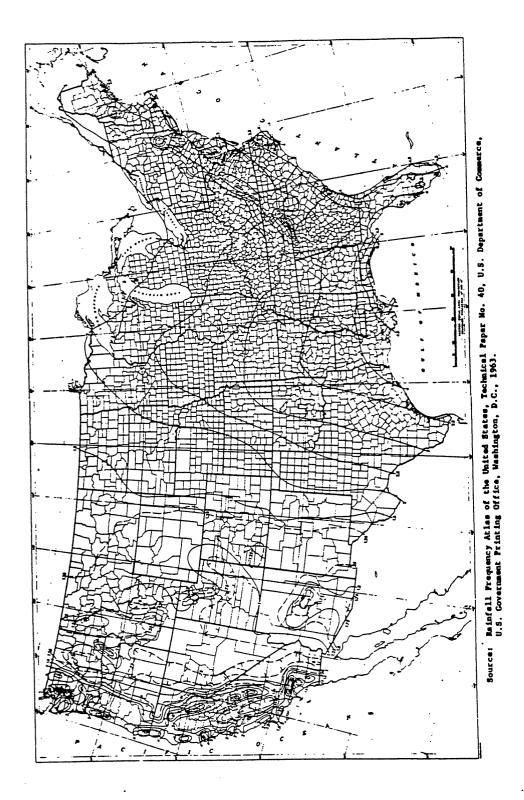
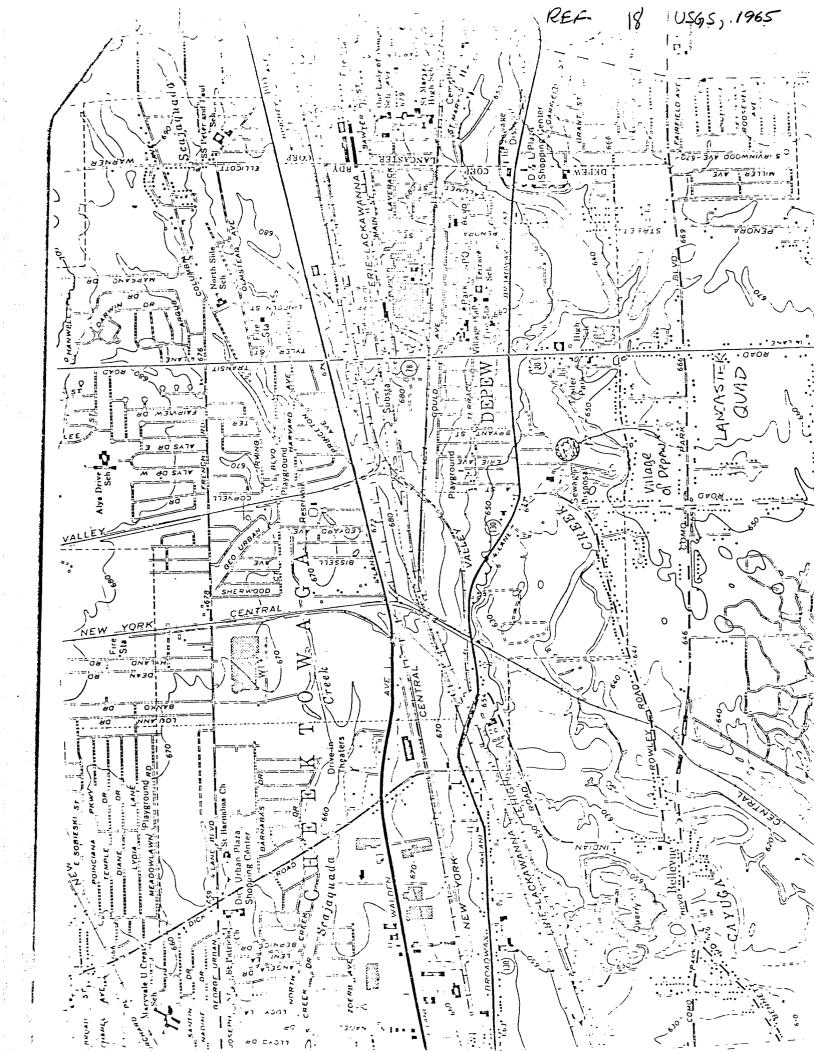


FIGURE 8 1-YEAR 24-HOUR RAINFALL (INCHES)



COUNTY OF ERIE DEPARTMENT OF ENVIRONMENT & PLANNING DIVISION OF ENVIRONMENTAL CONTROL

Voell, 4/85

MEMORANDUM

FROM	Anthony T.	Voell,	Deputy	Commission	oner	_ DATE _	April	29,	1985	
TO	Peter Buec	hi								
	Profile Ad	dendum	- Depew	Landfill	Site	#915105				

Attached is a copy of an inspection report for the above subject landfill.

ATV:jk Attachment

cc: G. Devlin, EC Sewerage Management
Vincent LaPuma, V. Depew, Public Works

HAZARDOUS WASTE SITE PROFILES

ADDENDUM TO PROFILE REPORT FOR DEPEW LANDFILL SITE #915105

FIELD INSPECTION

The initital inspection of the site was conducted on February 13, 1985. Due to snow cover in some areas, it was decided to reinspect under more favorable weather conditions.

A reinspection was conducted on April 10, 1985. The following observations were made:

- (1) There was no evidence of leachate or discoloration of soil along the creek bank.
- (2) There was no trash or refuse observed protruding through the cover material.
- (3) From this inspection, the actual landfill area appeared smaller than originally believed (see attached revised field sketch).
- (4) There was a small amount of construction debris on the site area, but this will be cleaned up when ORF Project is completed.

RECOMMENDATION

There is no visible evidence that any significant amount of material was landfilled at this site. A further check should be made with information obtained from companies in response to the New York State DEC 1984 Community Right-To-Know Survey. If this data supports the above finding then this site should be reclassified to a Class 5 site. It should be retained on the registry as a disposal site with no further action required.

ED AREA IS PRUBABLE NT OF LANDFILL.	THIS SKETCH WAS DRAWN CHEET THIS SKETCH WAS DRAWN CHEETON ON 4/10/85 DID NOT SHOW EVIDENCE OF LANDFILL IN THIS SHADED AREA.	VILLAGE OF DEPENJ LANDFILL N 315 BORDEN RD DEPEN NY 14043 SITE # 915105 SCALE 1'=.200' FRIE. COUNTY DEP 2/19/85 (MMT)
BY DEPT. LIC WORKS UNTY UNTY GE ENTENT	OVERFLOW RETENTION FACILITY	
OF DEPENDENCE OUNTY SEWERAGE MANAGEMENT	X333V3 V9 UNV	

SEPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT ART 1 - SITE INFORMATION AND ASSESSMEN

-	I. IDENTIFICATION		
	01 STATE	02 SITE NUMBER	
	K14	A.L.	

PART 1 -	SITE INFORMA	TION AN	ID ASSESSMEN	T NY	- Alta Carrier
II. SITE NAME AND LOCATION					
01 SITE NAME (Legal, common, or descriptive name of site)		02 STREE	T, ROUTE NO., OR SPI	ECIFIC LOCATION IDENTIFIER	
Village of Depew Landfill		<u> </u>	5 Border		
Depew	:	1 .	14043		07COUNTY 08 CONG CODE DIST
09 COORDINATES LATITUDE LONG	AITUDE				
10 DIRECTIONS TO SITE (Starting from nearest public road)			1 . 7.		20 02 1
From Village of Depeud, her Borden Road.	ob east of	n bro	sadissey (l	75 30) TURN 16	
III. RESPONSIBLE PARTIES					
01 OWNER (# known)		02 STREE	T (Business, making, reside	M(tal)	
Frie County		95	Franklin	· 5t_	
03 CITY			05 ZIP CODE	06 TELEPHONE NUMBER	
Bullalo		1114	14202	17161 846-6370	
07 OPERATOR (If known and different from owner)		08 STREE	T (Business, making, reside	1	1
<u>'</u>					
09 CITY		10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER	
				()	
13 TYPE OF OWNERSHIP (Check one)		<u> </u>	[1
☐ A. PRIVATE ☐ B. FEDERAL:			_ C. STATE	ED.COUNTY . E. MU	NICIPAL
☐ F. OTHER:	(Agency name)		_ □ G. UNKNO	A/N	
(Specify,	,				
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check at Inst 2004)	C R UNICONTROLL	ED WAST	E CITE	DATE DEGENER.	NONE
	C B. GIVCONTROLL	ED WASI	E SITE ICENCIA 103 6/	DATE RECEIVED: / MONTH D	AY YEAR
IV. CHARACTERIZATION OF POTENTIAL HAZARD					
01 ON SITE INSPECTION SEVERAL BY (Chec	ex all that apply) PA D B EPA	A CONTRA	CTOR C.	STATE D. OTHER	CONTRACTOR
PES DATE / LA.E.L.	OCAL HEALTH OFF	ICIAL D	F OTHER		
CONTE	RACTOR NAME(S):	Cathy	J.BosmalE	5) and Dames & M	core-larry Keete
02 SITE STATUS (Check one)	03 YEARS OF OPER		10 . 0		
☐ A. ACTIVE Ø B. INACTIVE ☐ C. UNKNOWN		U197	O 1968 EAR ENDING YE		N
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN,	OR ALLEGED	of ir	site. Co	nstituents u	nknown.
Aluminated worth of control	Mod 1- 19	83	Phenols a	my be have be	een present
Only municipal wastes a Municipal waste excave In the foundry sand tha	t was us	ed f	er cover	material not a	Il wastes expanded
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/					
Un Krozen	OR POPULATION				
Withe					
·					
V. PRIORITY ASSESSMENT				•	
01 PRIORITY FOR INSPECTION (Check one, if high or medium is checked, c		rmation and P	et 3 - Description of Hazard	fous Conditions and Incidents)	
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required)	(Inspect on time	e aveilebie bes	B) D. NONE	action needed, complete current dispo-	saion form)
VI. INFORMATION AVAILABLE FROM					
01 CONTACT	02 OF (Agency-Organia	zationi			03 TELEPHONE NUMBER
Cathy J. Bosma	Enail	1681	ING -S	chence	10315917575
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	06 ORG	ANIZATION	07 TELEPHONE NUMBER	OB DATE
Cashy TiBosma	1		とう	()	MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

-	I. IDENT	IFICATION
	01 STATE	02 SITE NUMBER
	MY	

IL WASTE ST	ATES, QUANTITIES, AN	D CHARACTERIS	STICS				
01 PHYSICAL ST	ATES (Check all that apply)	02 WASTE QUANTITY		03 WASTE CHARACTE	☐ E. SOLUB	ILE I HIGHLY V	OLATILE
C. SLUDGE L. G. GAS CUBIC YAI		TONS		☐ B. CORROSIVE ☐ F. INFECTIOUS ☐ J. EXPLOSIVE ☐ C. RADIOACTIVE ☐ G. FLAMMABLE ☐ K. REACTIVE ☐ D. PERSISTENT ☐ H. IGNITABLE ☐ L. INCOMP			VE /E
		NO. OF DRUMS					NOT APPLICABLE
III. WASTE T	YPE						
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE				•		
OLW	OILY WASTE						
SOL	SOLVENTS						
PSD	PESTICIDES						
occ	OTHER ORGANIC CH	HEMICALS			•		
IOC	INORGANIC CHEMIC	ALS					
ACD	ACIDS						
BAS	BASES						
MES	HEAVY METALS						
IV. HAZARD	OUS SUBSTANCES (See A	ppendix for most frequent	ly cited CAS Numbers)				_
01 CATEGORY	02 SUBSTANCE N	IAME	03 CAS NUMBER	04 STORAGE/DISI	POSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	Phenols (so	person				2.2	ppm
		1					
					······································		
						<u> </u>	
			<u> </u>				
							
			1				1
							-
					·		
V. FEEDST	OCKS (See Appendix for CAS Num	bers)					
CATEGOR			02 CAS NUMBER	CATEGORY	01 FEEDST	OCK NAME	02 CAS NUMBER
FDS				FDS			
FDS				FDS			
FDS				FDS			
				FDS			
FDS	- OF IMPORTATION: -						<u> </u>
VI. SOUNCE	ES OF INFORMATION 154	- appendix out the sec. E.y	and an artist and a section an				aggigggan e e a general e e e e e e e e e e e e e e e e e e e

SEPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION		
01 STATE	02 SITE NUMBER	
LUY		

PART 3 - DESCRIPTION OF	HAZARDOUS CONDITIONS AND INCIDE	NTS DY	
II. HAZARDOUS CONDITIONS AND INCIDENTS			
01 C A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	C POTENTIAL	□ ALLEGED
More testre			
01 D. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	ALLEGED
None testal			
01 Q-C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED:			☐ ALLEGED
	s did not detect contain		fore /ppm
uous afegias ufler	ador sownwind of si		
01 □ D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED:	02 G OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	C ALLEGED
no fire lexplosive po	stential exists.		
01 C E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED:	02 🗇 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	□ ALLEGED
low-benced	area ·		
01 G F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED:	02 C OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	□ POTENTIAL	_ ALLEGED
anhum			
01 □ G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 □ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	□ ALLEGED
Nove - mu	inscipal supply		gam #4. 4. /
01 C H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:	02 CBSERVED (DATE) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	_ ALLEGED
Unknown			
01 TI. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED:	02 □ OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	_ ALLEGED
Un know			

ŞEPA

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENT	. IDENTIFICATION					
01 STATE	02 SITE NUMBER					
NY						

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)				
01 ☐ J. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:	}	☐ POTENTIAL	□ ALLEGED
none notice				
01 K. DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include name) of species)	02 OBSERVED (DATE:)	☐ POTENTIAL	☐ ALLEGED
None noticed				
01 ☐ L CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	□ POTENTIAL	☐ ALLEGED
. Unknow- culity				
01 M. UNSTABLE CONTAINMENT OF WASTES (Solits/nuncit/stainding inquids/leaking drums)	02 G OBSERVED (DATE:)	☐ POTENTIAL	□ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	_ 04 NARRATIVE DESCRIPTION	ing a	aste or	drum
noted during site inspection				
01 D N. DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:)	☐ POTENTIAL	□ ALLEGED
Unlikely				
01 0. CONTAMINATION OF SEWERS, STORM DRAINS. W 04 NARRATIVE DESCRIPTION Contamination would			D POTENTIAL	□ ALLEGED
(UNW RENALLONE WE WEEK	go io Carparga Cill			
01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 🗆 OBSERVED (DATE:)	☐ POTENTIAL	☐ ALLEGED
lenlikelj - no	ne Kremel			
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR	ALLEGED HAZARDS			
III. TOTAL POPULATION POTENTIALLY AFFECTED:				
IV. COMMENTS				-
	-			
V. SOURCES OF INFORMATION (Cité specific références, é. g. sta	II e lires. Sample analysis (enoris)			
FC Am of Daw Atolia +	d Intersect with 1	1:11000	of Deple a	nd Kreihoil
Es and D&M Site Visit and Interview with Village of Depeur and Kréibeil Associates, 1985 ELDEP Site Profile Report, 1985				
ELPEP Site Probate Res	port, 1285			

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 1 - SITE LOCATION AND INSPECTION INFORMATION

	IFICATION
01 STATE	02 SITE NUMBER

II. SITE NAME AND LOCA	TION -					
01 SITE NAME (Legal, common, or o	escriptive name of site)		02 STRE	ET, ROUTE NO., OR SPEC	IFIC LOCATION IDENTIFIER	
Village of	- Depew Land	\$11 ···	31	5 Borden	Road	
O3 CITY					COUNTY	07COUNTY 08 CONG
Depew			NY	1 1 1 1 1	Eñe.	CODE DIST
09 COORDINATES LATITUDE	LONGITUDE	□ A. PRIVATE □ F. OTHER _			C. STATE D. COUNTY	
III. INSPECTION INFORMA	ATION					
01 DATE OF INSPECTION	02 SITE STATUS	03 YEARS OF OPERAT		16 1000		
12,10,85 MONTH DAY YEAR	ACTIVE GINACTIVE		NNING YE	6 1962 EAR ENDING YEAR	UNKNOWN	
04 AGENCY PERFORMING INSP	ECTION (Check all that apply)				,	
DA EPA DB.EPACO	NTRACTOR	ame of limi)			IICIPAL CONTRACTOR	(Name of fem)
E E STATE DE STATE	CONTRACTOR	lame of limi)	₽ €.0	THER ES and	(Specify)	•
05 CHIEF INSPECTOR		06 TITLE			07 ORGANIZATION	08 TELEPHONE NO.
Cathy Jit	305,000	(ivi/ 1	Ero	ineer	Engineering Sipp	(703) 591-7575
09 OTHER INSPECTORS	•	10 TITLE			1.	
Larry K	rete	Geolo	10, 12	s <i>t</i>	Pames & Moore	(3157638-2572)
						()
						()
						()
	,				·	()
13 SITE REPRESENTATIVES INT		14 TITLE		15ADDRESS		18 TELEPHONE NO
Arthur Do	mino:	Mayor	_	uillage of a	20pew 14043	1716 681-1215
Vincent C	i Puma	Superinter	ndent	village of	Depew	1710681-1215
Robert A.	Labenski.	Engine	er	Krehbie	1 ASSOC.	1714 693-9300
Gerold (Je	rry) Perlin	Asst Dep Commissi	nty	Erie Coun	ty	17161 846-8367
					J	(
		·				()
					•	
17 ACCESS GAINED BY (Check one)	18 TIME OF INSPECTION	19 WEATHER CON	DITIONS	,		
Ø-PÉRMISSION □ WARRANT	10:300m	Rainy	,0	vercast		
IV. INFORMATION AVAIL	ABLE FROM					
01 CONTACT		02 OF (Agency/Organ		_		03 TELEPHONE NO.
Cathy J.	DOSMA	1 Engin	neer	ring-Scie	nce (ES)	17031591-7575
Cothy J.	_	05 AGENCY	06 0	RGANIZATION Some		08 DATE / 18-18-16
EPA FORM 2070-13 (7-81)	woma					MONTH DAY YEAR

$\boldsymbol{\Omega}$		
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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 2- WASTE INFORMATION

_		TFICATION
01	STATE	02 SITE NUMBER
	NY⊟	

II. WASTES	TATES, QUANTITIES, AN	D CHARACTER		I C HAL OVIN'N L'ÍOL	· ;		•
OI PHYSICAL	STATES (Check all that apply)	02 WASTE QUANT		03 WASTE CHARACT	EDICTIVE (A)		• •
B A SOUD B. POWDS C. SLUDG	E 🖸 G. GAS	(Messures of must be TONS .	of waste quantities independent;	O3 WASTE CHARACTERISTICS (Check and that apply) O A. TOXIC O E. SOLUBLE O B. CORROSIVE F. INFECTIOUS O C. RADIOACTIVE O D. PERSISTENT H. IGNITABLE UN LOCALON I. HIGHLY VOLATILE I. HIGHLY VOLATILE O L. REACTIVE O L. INCOMPATIBLE			
O D. OTHER	(Specify)	NO LO PORTO NO. OF DRUMS	al'site		- C 11. C 41	☐ M. NOT A	PPLICABLE
III. WASTE T	TYPE				·		
CATEGORY	SUBSTANCE NA	ME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE				OJ COMMENTS		
OLW	OILY WASTE						
SOL	SOLVENTS				-/		
PSD	PESTICIDES					/ ``	
occ	OTHER ORGANIC CH	EMICALS			(mun	icipal bulls	sies!
IOC	INORGANIC CHEMICA	NLS			Links	tite mon duro	vents.
ACD	ACIDS				 		
BAS	BASES						
MES	HEAVY METALS						
IV. HAZARD	OUS SUBSTANCES (500 ADD	ends for most frequenti	y caed CAS Numbers!				
01 CATEGORY	02 SUBSTANCE NA		03 CAS NUMBER	04 STORAGE/DISF	POSAL METHOD	05.001/05/25/25	L DE MEASURE OF
	Unknown	-potení	tal for		COALMETTOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	chenolo		0.				
					·		
			•				
							`
					·		
	CKS (See Appendix for CAS Numbers						
CATEGORY	01 FEEDSTOCK	IAME	02 CAS NUMBER	CATEGORY	01 FEEDSTO	CK NAME	02 CAS NUMBER
FDS	Unknow	<u>m · </u>	• •	FDS			- O O HOMOEA
FDS				FDS			
FDS				FDS			
FDS		·		FDS			
I. SOURCES	OF INFORMATION (Cite spe	cific references, e.g., s	iste files, sample analysis, rep	oris)			
S E	ite Visit: E Frie County S	is and I Site Profi	le Riport	-10-25 au Feb. 198	nd Intervi	<i>€</i> ₩5	
A FORM 2070-1	3(7-81)						

POTENTIAL HAZARDOUS WASTE SITE

l.	ID	ENT	IFIC	TAC	ION		
01	ST	ATE	02	SITE	NUMB	ER	
1	~)	/		_			

Ω CDΛ SITE	INSPECTION REPORT	01 STATE 02 :	SITE NUMBER
PART 3 - DESCRIPTION OF	F HAZARDOUS CONDITIONS AND INCIDEN	its.	
II. HAZARDOUS CONDITIONS AND INCIDENTS			
01 ☐ A. GROUNDWATER CONTAMINATION	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	☐ POTENTIAL	□ AULEGED
03 POPULATION POTENTIALLY AFFECTED:	•	•	
no record	of testing	•	
	TO CONTRACT OF THE CONTRACT OF	☐ POTENTIAL	☐ ALLEGED
01 D B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	LI POTENTIAL	L ALLEGED
			,
no record	of testing		
01 C. CONTAMINATION OF AIR	02 OBSERVED (DATE:)	☐ POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION	•	
-A.	a latet " May ve	adirental	eenin
april new did not state of	record of cesting, All se	- done-	of of sixo
april 1986 Med 14 sittle	Containe vallor appoint a	o apportuni	<i>y 29</i>
01 D. FIRE/EXPLOSIVE CONDITIONS	02 OBSERVED (DATE:)	□ POTENTIAL	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
16 fere suplose	us potential isacts		
, ·			
		☐ POTENTIAL	☐ ALLEGED
01 □ E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	O POTEINIAL	المارين
	nea is fenced (Vill o	y De Pew D	PW
Minimal - 6	near so general (Vici)	0	•
<i>*</i>			
01 ☐ F. CONTAMINATION OF SOIL	02 🗆 OBSERVED (DATE:)	☐ POTENTIAL	☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: (Acres)	04 NARRATIVE DESCRIPTION		
270 - 40	d of testing	•	
- 10 recor	a of the conf		
01 G. DRINKING WATER CONTAMINATION	02 🗆 OBSERVED (DATE:)	D POTENTIAL	ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION	0	
Unlik	ely municipal water pu	oply	
		1 POTENTIAL	D 41.50
01 D H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED:	02 OBSERVED (DATE:) 04 NARRATIVE DESCRIPTION	U POIENIAL	☐ ALLEGED
	,		
More A	enoun		
			•
01 🗆 I. POPULATION EXPOSURE/INJURY	02 □ OBSERVED (DATE:) D POTENTIAL.	☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
2000	Known		
1.	,		
·			•
1			

EPA FORM 2070-13 (7-81)

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

l.	IDENT	IF	CAT	ION	
01	STATE	02	SITE	NUMBER	
	ATY	١			

PART 3 - DESCRIPTION OF H	AZARDOUS CONDITIONS AND INCIL	DEMIS: C	
HAZARDOUS CONDITIONS AND INCIDENTS			• • •
01 D. DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION Mo appoint	02 OBSERVED (DATE:	_) □ POTENTIAL	□ ALLÈGED °
D1 K. DAMAGE TO FAUNA D4 NARRATIVE DESCRIPTION (INCLUDE NAME) OF EDECRET	02 OBSERVED (DATE:)	O ALLEGED
D1 L CONTAMINATION OF FOOD CHAIN D4 NARRATIVE DESCRIPTION	02 OBSERVED (DATE:	_) D POTENTIAL	O ALLEGED
Unlik	ing .		•
01 M. UNSTABLE CONTAINMENT OF WASTES (Sods/Runof/Sianding louds, Learing drums) 03 POPULATION POTENTIALLY AFFECTED:	02 OBSERVED (DATE:	_) POTENTIAL	□ ALLEGED
DI ON. DAMAGE TO OFFSITE PROPERTY DA NARRATIVE DESCRIPTION More L	02 OBSERVED (DATE:) POTENTIAL	□ ALLEGED
J1 0. CONTAMINATION OF SEWERS, STORM DRAINS, WWT. 04 NARRATIVE DESCRIPTION	•) POTENTIAL	□ ALLEGED
01 P. ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION Un Like	02 □ OBSERVED (DATE:		□ ALLEGED
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALL	LEGED HAZARDS		
			المراجع المستخصصين
III. TOTAL POPULATION POTENTIALLY AFFECTED:			
V. COMMENTS			
V. SOURCES OF INFORMATION (Cro specific references, e. g., state (s	les, sample analysis, reports)		
Es & Dan sile	visit 12/85 and Seport, 1985	Interview	
ECDEP XITO VICTURE 19	epou, 1905		•

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POTENTIAL HAZARDOUS WASTE SITE

	IFICATION
01 STATE	02 SITE NUMBER
NY	

⇒EPA		AND DESC	CTION RIPTIVE INFORMA		NY	
	FANT 4-FERMIT	AIAD DESC	AIFITYETHFORMA	1101		
II. PERMIT INFORMATION				1		
01 TYPE OF PERMIT ISSUED (Check all that apply)	02 PERMIT NUMBER	03 DATE ISSU	04 EXPIRATION DAT	E US COMMENTS	11.5	
A. NPDES						
OB. VIC						
□ C. AIR						
D. RCRA						
☐ E. RCRA INTERIM STATUS						
☐ F. SPCC PLAN						
G. STATE (South)						
☐ H. LOCAL (Specify)			•			
☐ I. OTHER (Specify)						
DJ. NONE						
III. SITE DESCRIPTION						
	02 AMOUNT 03 UNIT OF	MEASURE	04 TREATMENT (Check of th	et acciy)	05 OTHER	
☐ A. SURFACE IMPOUNDMENT		,	A. INCENERATION		4	
☐ B. PILES		1	B. UNDERGROUND II	NJECTION	Sto roage Relention	
C. DRUMS, ABOVE GROUND			C. CHEMICAL/PHYSI	ICAL	Facility	
□ D. TANK, ABOVE GROUND			D. BIOLOGICAL			
	BE LANDELL LANDELL COO CU			ESSING	06 AREA OF SITE	
G. LANDFILL —	51.000			ERY	5 (Acres)	
☐ H. OPEN DUMP		G. OTHER RECYCLING/RECOVERY D.H. OTHER REWOVED TO				
□ I. OTHER			BFI SILL			
(Specify) 07 COMMENTS						
landfill during a sampling of excause to remain buried on	metruction vated waste en disposed size. Foundry so	of street at si	wester a orm reter e taken. ite, Addi Haining pheno	noverflor No know Honal was	o facility. No on hazardous stes are expected as rover material	
IV. CONTAINMENT 01 CONTAINMENT OF WASTES (Check one)						
☐ A. ADEQUATE, SECURE	B. MODERATE	C INA	DEQUATE, POOR	D. INSECU	RE, UNSOUND, DANGEROUS	
A ADECOATE, SECONE	2 d. MODELATE	U 0.1117	DEGORIE, I GOII			
OZ DESCRIPTION OF DRUMS, DIKING, LINERS, E At the mader		l, core	r was ina	adequate.		
					part to go o	
V. ACCESSIBILITY		•				
01 WASTE EASILY ACCESSIBLE: YE 02 COMMENTS	S @HATO					
VI. SOURCES OF INFORMATION (Cree	pecific references, e.g. sizle files, sam	opie analysis, repon	(8)			
ES and D&M	Site Visit	12-10-	85 and Ir	terviews		
Frie County 1						
Dresser Intervi		uestro	ptions, 199	<i>es</i> .		

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9	F	PΔ	
	<u>_</u>		

POTENTIAL HAZARDOUS WASTE SITE

	IFICATION
OI STATE	02 SITE NUMBER

SEPA	PART 5 - WATER	SITE INSPECT: DEMOGRAPHIC			DATA LA	141
II. DRINKING WATER SUPPLY				•••		
01 TYPE OF DRINKING SUPPLY (Check as applicable)		02 STATUS	•		, c	3 DISTANCE TO SITE
SURFACE COMMUNITY A. □ NON-COMMUNITY C. □	WELL 8. C 0. C	ENDANGEREI A. D.	AFFECTED 8. [] E. []	MONITO C. \Box F. \Box	1	A(mi) B(mi)
III. GROUNDWATER						
01 GROUNDWATER USE IN VICINITY (Check	B. DRINKING	IDUSTRIAL, IRRIGATION	(Limited o	ERCIAL, INDUSTE	RIAL, IRRIGATION	D. NOT USED, UNUSEABLE
02 POPULATION SERVED BY GROUND WA	TER N/A		03 DISTANCE TO	NEAREST DRINK	ING WATER WELL_	<u> </u>
04 DEPTH TO GROUNDWATER	05 DIRECTION OF GRO		06 DEPTH TO AQU OF CONCERN 3-17		TENTIAL YIELD AQUIFER (QPd	08 SOLE SOURCE AQUIFER O YES ONO
inotall	ed during a	groundwar groundwar groundwar groundflow f facilit	Retenti g- paris	tion ma	hity - l	reated on
☐ YES COMMENTS ☐ NO			□ YES CC	MMENTS		
IV. SURFACE WATER						
01 SURFACE WATER USE (Check one) A. RESERVOIR, RECREATION DRINKING WATER SOURCE		ON, ECONOMICALLY INT RESOURCES	,	MERCIAL, IND	USTRIAL	D. NOT CURRENTLY USED
02 AFFECTED/POTENTIALLY AFFECTED B	BODIES OF WATER				AFFECTED	DISTANCE TO SITE
NAME: Cayuan	Cueh .					
V. DEMOGRAPHIC AND PROPER	TY INFORMATION					
O1 TOTAL POPULATION WITHIN ONE (1) MILE OF SITE A. 1096 NO. OF PERSONS	TWO (2) MILES OF SITE B. 37343 NO. OF PERSONS	E THREE (3) MILES OF SITI		NCE TO NEAREST P	1/4 (mi)
03 NUMBER OF BUILDINGS WITHIN TWO			04 DISTANCE TO	NEAREST OFF	SITE BUILDING	(mi)
05 POPULATION WITHIN VICINITY OF SITE	E (Provide neirstive description	o of nature of population within	n vicinity of site, e.g., n	ral, vilaga, densely p	populated urban area)	

_		
	_	$\Box \Lambda$
	_	
	<u></u>	1

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENTIFICATION 01 STATE 02 SITE NUMBER

VETA	PART 5	5 - WATER, DEMOGRAPH	IC, AND ENVIRO	NMENTAL DA	TA - LN	(
VI. ENVIRONMENTAL INFORMA			• 1. • •	-			
01 PERMEABILITY OF UNSATURATED ZO		/					
□ A. 10 ⁻⁶ – 10 ⁻	6 cm/sec	B. 10-4 - 10-6 cm/sec □	C. 10 ⁻⁴ – 10 ⁻³ cm	v/sec 🗆 D. GRE	ATER THAN 1	0-3 cm/sec	
02 PERMEABILITY OF BEDROCK (Check of			,				
☐ A. IMPERN	AEABLE (B. RELATIVELY IMPERMEABI	LE C. RELATIVE	LY PERMEABLE	D. VERY F	PERMEABLE	
03 DEPTH TO BEDROCK	04 DEPTH OF	CONTAMINATED SOIL ZONE	05 SOIL pi	н			
		(m)		C (4.5			
06 NET PRECIPITATION S (in)	07 ONE YEAR	24 HOUR RAINFALL 2 , (in)	08 SLOPE SITE SLOPE	DIRECTION OF		TERRAIN AVERAGE SI	LOPE
09 FLOOD POTENTIAL SITE IS IN /OO YEAR FLO		□ SITE IS ON BARRI	ER ISLAND, COASTA	AL HIGH HAZARD	AREA, RIVERI	NE FLOODWAY	
11 DISTANCE TO WETLANDS (5 acre mnom		76-to	12 DISTANCE TO CRI	TICAL HABITAT (of ex	ndangered species!		
ESTUARINE		OTHER			-	. (mi)	
A. >2 (mi)	В	0.8 (mi)	ENDANGER	ED SPECIES:			
13 LAND USE IN VICINITY							
Cayuga Cayuga	TO SURROUND LE is - Clek.	RESIDENTIAL AREAS; NATIO FORESTS, OR WILDLIS B. 1/2 DING TOPOGRAPHY Located on an Lanchis Alla Immediate explosion of the second of the s	(mi) Oxbob Bot tirify flat ast and we	C Bland e Clopus	on the 1	DII	ті)
•						2.7 د مع معي	
· •							
·							
	W						
VII. SOURCES OF INFORMATIC	N (Cae specific)	references, e.g., slate lijes, sample analysi	z, reportz)	,			
ES an DIM Sike visa	x (198	[5]					
Eric County MYSDEC, M	DEP ME 1. McMi	prot (1985) UM					

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POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I. IDENT			
01 STATE	02 SIT	E NUM	BER
01 STATE	- 7		ごっ

WEITH		. P#	ART 6 - SAMPLE AND	FIELD INFORMATION	:	· · · · · · · · · · · · · · · · · · ·
II. SAMPLES TAKEN	1			·		
SAMPLE TYPE		01 NUMBER OF SAMPLES TAKEN	02 SAMPLES SENT TO			03.ESTIMATED DATE RESULTS AVAILABLE
GROUNDWATER			None			
SURFACE WATER						
WASTE						
AIR		•				
RUNOFF		-				
SPILL						
SOIL						
VEGETATION						
OTHER						
III. FIELD MEASURI	EMENTS TA	KEN				
O1 TYPE		02 COMMENTS				
HNU		Air read	iras were	taken upwind ax	d dozonwind	of the site
		Ox MAIO	itile arriani	cs were deterte	ed above 10	ew.
·	÷					
IV. PHOTOGRAPH	S AND MAPS	3		· .		
01 TYPE (Z-GRÓUN			02 IN CUSTODY OFE	ingineering—S	CICACE morridue)	
03 MAPS DIFES NO	04 LOCATION		ste was w	podated auring	site investi	gation.
1		CTED (Provide narrative de				
Borta	g Loga	s and Soil	15. Report (C-36-390-03)	Fre Count	۳, .
	overto	ow Retent	ion Facilit	ty, contract	ECL Also	grading
		of site.		•		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state free, sample analysis, reports)

site Inspection - Es and Dem 12-10-85, and April 1986

Ω EDΛ	F			ARDOUS WASTE SITE	I. IDENTIF		
\$EPA	•			IER INFORMATION	::: - LNY I		
. CURRENT OWNER(S)				PARENT COMPANY (# applicable	,		
Erie County 3 STREET ADDRESS (P.O. BOX, AFD). AFG.)		02 D+B N	UMBER	OB NAME		09 D+	8 NUMBER
3 STREET ADDRESS (P.O. BOX, AFD). OFC.). 95 Franklin St.		048	IC CODE	10-STREET ADDRESS (P.O. Box, RFD #	, etc.)		1 SIC CODE
sarv Buffalo	OB STATE		00E 1202	12 CITY	13 STAT	14 ZJF	CODE
1 NAME	•	02 D+B N	IUMBER	08 NAME		09 D4	R38MUN 8
3 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 S	IC CODE	10 STREET ADDRESS (P.O. Box, RFD &	, etc.j		1 SIC CODE
DS CITY	08 STATE	07 ZIP CO	ODE	12 CITY	13 STAT	E 14 ZI	CODE
DI NAME		02 D+8	NUMBER	08 NAME	1	09 D-	-B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04.5	SIC CODE	10 STREET ADDRESS (P.O. Box, RFD &	, etc.j		1 1 SIC CODE
DS CITY	OB STATE	07 ZIP CO	ODE	12 CITY	13 STAT	E 14 Z	CODE
DI NAME	•	02 D+B	NUMBER	08 NAME		090	+ B NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04.5	SIC CODE	10 STREET ADDRESS (P.O. Box, RFD #, erc.)			11 SIC CODE
D5 CITY	06 STATE	07 ZIP C	ODE	12 GTY	13 STAT	E 14 Z	PCODE
III. PREVIOUS OWNER(S) (Last most recent first)).	1		IV. REALTY OWNER(S) (If appear	sable; ast most recent first)		
VI HOGE OF DOPELO DISTREET ADDRESS (P.O. BOX. AFD B. MC.)		02 D+8	NUMBER	01 NAME		02 D	+8 NUMBER
03 STREET ADDRESS (P.O. BOJ, AFD 0, onc.) 85 Manitou at G	ould		SIC CODE	03 STREET ADDRESS (P.O. Box, RFD	Ø ; etc.)		04 SIC CODE
Depew	NO STATE	07 ZIP C	ODE 4043	05 CITY	06 STAT	E 07 Z	IP CODE
01 NAME .		02 D+B1	NUMBER	01 NAME		020	HB NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04	SIC CODE	03 STREET ADDRESS (P.O. Box, RFD	P, etc.)		04 SIC CODE
05 CITY	06 STATE	07 ZIP C	ODE	05 CITY	06 STA	TE 07 Z	IP CODE
01 NAME		02 D+B	NUMBER	01 NAME	11	02 ()+8 NUMBER
03 STREET ADDRESS (P.O. Box, RFD #, etc.)	· · · · · · · · · · · · · · · · · · ·	04	SIC CODE	03 STREET ADDRESS (P.O. Box, RFD	Ø, etc.)		04 SIC CODE
OSCITY	06STATE	07 ZIP	CODE	05 CITY	06 STA	TE 07 2	UP CODE
V. SOURCES OF INFORMATION (CZa appe	the references	i, e.g., state i	illes, sample analys	is, reports)		_1	
ES and DAM S							

C

15 STATE 18 ZIP CODE

		PC	TENTIAL HAZA	RDOUS WASTE SITE	I. IDENTIFI	
ŞEPA			4.7.	CTION REPORT	01 STATE 02	
ANDIA		•	PART 8 - OPERA	TOR INFORMATION		
II. CURRENT OPERATO	OR (Provide # different from	nomer)	•	OPERATOR'S PARENT COMPANY	eopicable)	
01 NAME			02 D+B NUMBER	10 NAME	ľ	1 D+8 NUMBER
Ene Cou	nty		•			
			04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
95 Frank	Im St.					
OSCITY BURALO			07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
		1	14202			-
08 YEARS OF OPERATION	09 NAME OF OWNER	A 12-24	eputy Commiss	ès		
1983-820, Le	Gerald	Devi	in			
III. PREVIOUS OPERAT	OR(S) (List most recent fi	rst; provide on	ly if different from owner)	PREVIOUS OPERATORS' PARENT C	OMPANIES (#	applicable)
01 NAME	^		02 D+8 NUMBER	10 NAME		11 D+8 NUMBER
VI lace C 03 STREET ADDRESS IP.O. 8	1 Depen					
03 STREET ADDRESS (P.O. 8	oz, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Boz, RFD #, etc.)		13 SIC CODE
85 Manito	u at Goul	d				
USCHT		JOOGIAIE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
Depew		MY	14043			
08 YEARS OF OPERATION						
~1940-1983	Mayor Ar	thur	Domino			
01 NAME			02 D+8 NUMBER	10 NAME		11 D+8 NUMBER
03 STREET ADDRESS (P.O. B	ox, RFD #, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE
05 CITY		06 STATE	07 ZIP CODE	14 CITY	15 STATE	16 ZIP CODE
08 YEARS OF OPERATION	09 NAME OF OWNER	DURING TH	IS PERIOD			<u> </u>
01 NAME	· ·		02 D+B NUMBER	10 NAME		11 D+B NUMBER
03 STREET ADDRESS (P.O. B	ox, RFD Ø, etc.)		04 SIC CODE	12 STREET ADDRESS (P.O. Box, RFD #, etc.)		13 SIC CODE

IV. SOURCES OF INFORMATION (Cite appendic references, e.g., state free, sample energist, reconst.)

09 NAME OF OWNER DURING THIS PERIOD

ES and DEM Site Visit 12-10-85 and Interviews

14 CITY

06 STATE 07 ZIP CODE

05 CITY

08 YEARS OF OPERATION

\$EPA		POTENTIAL HAZ SITE INSP 9 - GENERATOR/1	I. IDENTIFICATION 01 STATE 02 SITE NUMBER		
II. ON-SITE GENERATOR					
on Name		02 D+8 NUMBER			
D3 STREET ADDRESS (P.O. Box, RFD P, etc.)		04 SIC CODE			
DS CITY	06 STATE	07 ZIP CODE			
III. OFF-SITE GENERATOR(S)					-
Villoge of Depen		02 D+8 NUMBER	01 NAME		02 D+8 NUMBER
3 STREET ADDRESS (P.O. Boz, RFD #, etc.)	-	04 SIC CODE	03 STREET ADDRESS (P.O. Bax, RFO #, etc.)		04 SIC CODE
Rosidence of Depen	06 STATE	07 ZIP CODE	оѕ слү	06 STATE	07 ZIP CODE
1 NAME		02 D+8 NUMBER	01 NAME	l	02 D+8 NUMBER
3 STREET ADDRESS (P.O. Box, RFD #, etc.)	 	04 SIC CODE	03 STREET ADDRESS (P.O. Boz, RFD #, etc.)		04 SIC CODE
ș CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
V. TRANSPORTER(S)					
iname Trash pickup about 3	3 tina	02 D+8 NUMBER	01 NAME		02 D+8 NUMBER
Village of Depew		04 SIC CODE	03 STREET ADDRESS (P.O. Boz, RFD #, sic.)		04 SIC CODE
S CITY	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
INAME		02 D+B NUMBER	01 NAME		02 D+8 NUMBER
3 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE	03 STREET ADDRESS (P.O. Box, RFD #, etc.)		04 SIC CODE
ary	06 STATE	07 ZIP CODE	05 CITY	06 STATE	07 ZIP CODE
SOURCES OF INFORMATION (Cite specific					

9	FPA	

POTENTIAL HAZARDOUS WASTE SITE

	IDENT			
01	STATE	02	SITE	NUMBER
1 1	(1) K		4, 4 :	-

JEPA ,	SITE INSPECTION REPORT PART 10 - PAST RESPONSE ACTIVIT	IES NX
AST RESPONSE ACTIVITIES		
01 A WATER SUPPLY CLOSED	02 DATE	03 AGENCY
Not applicable		
01 D B. TEMPORARY WATER SUPPLY PROVIDED 04 DESCRIPTION	02 DATE	O3 AGENCY
01 C. PERMANENT WATER SUPPLY PROVIDED 04 DESCRIPTION	O2 DATE	03 AGENCY
01 D. SPILLED MATERIAL REMOVED 04 DESCRIPTION	02 DATE	O3 AGENCY
01 ☐ E. CONTAMINATED SOIL REMOVED 04 DESCRIPTION	02 DATE	O3 AGENCY
01 D F. WASTE REPACKAGED 04 DESCRIPTION	02 DATE	03 AGENCY
01 DG. WASTE DISPOSED ELSEWHERE	02 DATE	O3 AGENCY
60,000 cube you's of waste	. excavaded and sent to B	FI landfill in Tonawander.
01 H. ON SITE BURIAL 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ L IN SITU CHEMICAL TREATMENT 04 DESCRIPTION	02 DATE	O3 AGENCY
01 D J. IN SITU BIOLOGICAL TREATMENT 04 DESCRIPTION	02 DATE	03 AGENCY
01 K. IN SITU PHYSICAL TREATMENT 04 DESCRIPTION	02 DATE	O3 AGENCY
01 L ENCAPSULATION 04 DESCRIPTION	02 DATE	O3 AGENCY
01 M. EMERGENCY WASTE TREATMENT O4 DESCRIPTION	02 DATE	03 AGENCY
01 D N. CUTOFF WALLS 04 DESCRIPTION	02 DATE	03 AGENCY
01 D O. EMERGENCY DIKING/SURFACE WATER 04 DESCRIPTION	R DIVERSION 02 DATE	03 AGENCY
01 P. CUTOFF TRENCHES/SUMP 04 DESCRIPTION	02 DATE	O3 AGENCY
01 Q. SUBSURFACE CUTOFF WALL	02 DATE	03 AGENCY

	HHA	
-		

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT

I.	IDEN'	TIFI	CAT	TION	
01	STATE	02	SITE	MUM	BER
	RN	ŀ			- Î.

ST RESPONSE ACTIVITIES (Continued)		<u>`</u>
01 DR. BARRIER WALLS CONSTRUCTED 04 DESCRIPTION	02 DATE	03 AGENCY
01 S. CAPPING/COVERING 04 DESCRIPTION	02 DATE	03 AGENCY
01 □ T. BULK TANKAGE REPAIRED	02 DATE	03 AGENCY
01 U. GROUT CURTAIN CONSTRUCTED	02 DATE	03 AGENCY
04 DESCRIPTION		
01 0 V. BOTTOM SEALED 04 DESCRIPTION NOTE: Overflow Retention Facility Concrete bottom	built after wastes	usere excavated. The facility expected to be disposed of ons
01 D W. GAS CONTROL 04 DESCRIPTION	O2 DATE	03 AGENCY
01 □ X. FIRE CONTROL 04 DESCRIPTION	02 DATE	03 AGENCY
01 ☐ Y. LEACHATE TREATMENT 04 DESCRIPTION	02 DATE	O3 AGENCY
01 Z. AREA EVACUATED 04 DESCRIPTION	02 DATE	03 AGENCY
01 © 1. ACCESS TO SITE RESTRICTED 04 DESCRIPTION	02 DATE	03 AGENCY
01 2. POPULATION RELOCATED 04 DESCRIPTION	02 DATE	03 AGENCY
01 3. OTHER REMEDIAL ACTIVITIES 04 DESCRIPTION	02 DATE	03 AGENCY
SOURCES OF INFORMATION (CAN EXPECTAL POPULATION OF A PARTIES OF A PART		
ELDEP Site Profile Report	L.	

SEPA

POTENTIAL HAZARDOUS WASTE SITE SITE INSPECTION REPORT PART 11 - ENFORCEMENT INFORMATION

I. IDENT	IFICATION
O1 STATE	02 SITE NUMBER

II. ENFORCEMENT INFORMATION

01 PAST REGULATORY/ENFORCEMENT ACTION | YES | PATO

02 DESCRIPTION OF FEDERAL, STATE, LOCAL REGULATORY/ENFORCEMENT ACTION

In the past, 1950s, there have been complaints of odors and visible trash as usell as flies and rets. Currently no westes protrude from the site and there are no complaints

III. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Letter from E. Sticht to NYS pept of Health and Sanitation, 1950 EDDEP Site Profile Report, 1985

SECTION VI

ASSESSMENT OF DATA ADEQUACY AND RECOMMENDATIONS

ASSESSMENT OF DATA ADEQUACY

A summary assessment of the adequacy of existing data for completion of the HRS score is presented in Table VI-1. Insufficient information is presently available to complete an HRS score for this site.

PHASE II WORK PLAN

Objectives

The objectives of the Phase II activities are:

- o To collect additional field data necessary to identify the occurrence and extent of contamination and to determine if any imminent health hazard exists.
- o To perform a conceptual evaluation of remedial alternatives and estimate budgetary costs for the most likely alternative.
- o To prepare a site investigation report including final HRS score.

The additional field data required to complete this investigation are described as follows:

Geophysical Survey - A geophysical study consisting of electrical resistivity and magnetometer surveys is recommended. The electrical resistivity survey will be performed at various locations within and beyond the perimeter of the site to investigate site

stratigraphy, delineate significant discontinuities and assess the presence and location of contaminant plumes. A magnetometer survey will be conducted as necessary on a grid system to aid in delineating the limits of the contaminated area.

Groundwater - A groundwater monitoring system consisting of 3 wells is recommended. Borings will be drilled to a maximum depth of 30 feet; soil samples will be taken every 5 feet or more frequently if a change in soil lithology is encountered. The wells will be placed in the aquifer of concern and constructed of 2" PVC pipe. The groundwater samples will be analyzed for phenols and HSL metals.

Surface Water - A surface water monitoring system consisting of 2 monitoring stations is recommended. One station (S-1) will be upgradient of the site, and the second station (S-2) will be downgradient. The surface water samples will be analyzed for phenols and HSL metals.

Waste - A waste sampling consisting of 6 samples collected from two locations where landfilled materials remain on-site and one background location is recommended. Composite samples of the soil collected at 6-12 inches and 18-24 inches will be made. Samples will be analyzed for phenols and HSL metals.

Air - An air monitoring survey with an HNu meter is recommended to test the air quality above the site.

TASK DESCRIPTION

The proposed Phase II tasks are described in Table VI-2. The proposed sampling locations are presented in Figure VI-1.

COST ESTIMATE

The estimated man-hours required for the Phase II project are presented in Table VI-3 and the estimated project costs are presented by task in Table VI-4.

HEALTH AND SAFETY PLAN

The Health and Safety Plan will be submitted as a separate document.

QUALITY ASSURANCE PLAN

The Quality Assurance Plan will be submitted as a separate document.

TABLE VI-1
ASSESSMENT OF DATA ADEQUACY

HRS Data Requirement	Comments on Data
Observed Release	
Groundwater	Inadequate data to score an observed release
Surface Water	Inadequate data to score an observed release
Air	Adequate data for HRS score
Route Characteristics	
Groundwater	Adequate data for HRS score
Surface Water	Adequate data for HRS score
Air	Adequate data for HRS score
Containment	Adequate data for HRS score
Waste Characteristics	Inadequate data for HRS score
Targets	Adequate data for HRS score
Observed Incident	Adequate data for HRS score
Accessibility	Adequate data for HRS score

TABLE VI-2

PHASE II WORK PLAN - TASK DESCRIPTION

	Task	Description of Task
II-A	Update Work Plan	Review the information in the Phase I report, conduct a site visit, and revise the Phase II work plan.
II-B	Conduct Geophysical Studies	Conduct resistivity and magnetometer surveys.
II-C	Conduct Boring/Install Monitoring Wells	Install 1 upgradient and 2 downgradient wells. The wells are to be located at a depth of approximately 30 feet and constructed of 2" PVC pipe.
II-D	Construct Test Pits/Auger Holes	Install 3 auger holes, one background location and two where wastes remain landfilled on-site.
II-E	Perform Sampling & Analysis	
	Soil samples from borings	Soil samples collected at 5 foot intervals during drilling and at changes in subsurface lithologies. Perform one grain size analysis and permeability test per subsurface lithology change.
	Soil samples from surface soils	No further studies necessary.
	Soil samples from auger holes/test pits	No further studies necessary.
	Sediment samples from surface water	No further studies necessary.
•	Groundwater samples	3 groundwater samples are to be collected and analyzed for phenols and HSL metals.

TABLE VI-2, Continued

PHASE II WORK PLAN - TASK DESCRIPTION

	Task	Description of Task
	Surface water samples	2 surface water samples are to be collected and analyzed for phenols and HSL metals.
	Air samples	Using the HNU, determine the presence of organics.
	Waste samples from auger holes	2 composite soil samples are to be collected from each auger hole and analyzed for phenols and HSL metals.
II-F	Calculate Final HRS	Based on the field data collected in Tasks II-B - II-E, complete the HRS form.
II-G	Conduct Site Assessment	Prepare final report containing Phase I report, additional field data, final HRS and HRS documentation records, and site assessments. The site assessment will consist of a conceptual evaluation of alternatives and a preliminary cost estimate of the most probable alternative.
II—H	Project Management	Project coordination, administration and reporting.

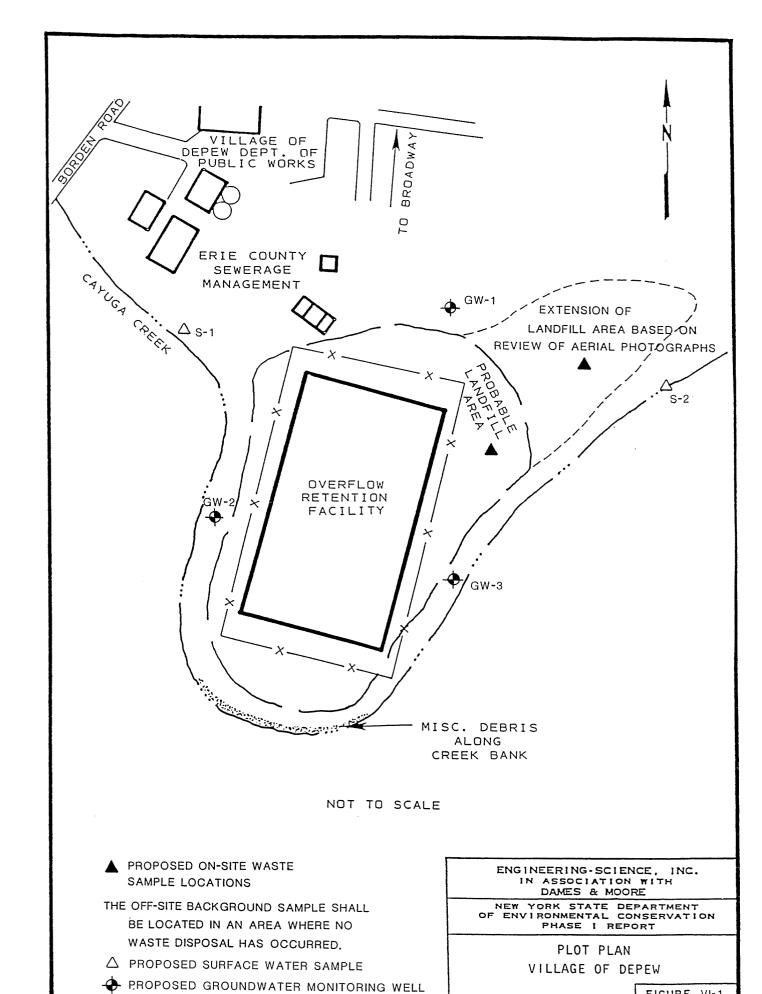


FIGURE VI-1

N.W YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PHASE IJ INVESTIGATION COST ESTIMATE

TABLE VI-3

SITE ID #: 915105 SITE NAME: VILLAGE OF DEPEW

SITE NAME: VILLAGE OF DEFEM CONSULIANT: ENGINEERING SCIENCE	ICE	ш	STIMATED	HOURS OF	· DIRECT	ESTIMATED HOURS OF DIRECT TECHNICAL LAEOR (DTL)	LAEOR	(DTL)	1		TOTAL	10TAL
IASK DESCRIPTION		1	 	1	LS	1.6	L.7	LB	67	L10	HOURS	COST
11-A UPDATE WORKPLAN	4	7.4	4	12	4	64		40	N N	 B B	268	}
11-B CONDUCT GEOPHYSICAL STUDIES	Ν	য				08		160	10	10	266	3477.60
II-C CONDUCT BORING/INSTALL	N	4				48		69	10	2	84	1187.60
MONITORING WELLS 11-D CONSTRUCT TEST PITS/	N	য				15		15			36	574.10
AUGER HOLES II-E SAMFLING AND ANALYSIS											0	00.0
Soil samples from borings						Œ		80			16	216.80
Soil samples from											0	00.0
surface soils Soil samples from auger											Ö	00.00
holes/test pıts Sediment samples +rom											0	00.00
surtace water Groundwater samples		N				24		24		٠	ű Ö	700.80

700.80 484.00 0.00 2889.10

181

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Θ <u>9</u>

8

4B 4

> Œ 9 é M 17.00

64

O N

11-F CALCULATE FINAL HRS SCORE

Waste samples Hir samples

II-6 CONDUCT SITF ASSESSMENT

11-H FROJECT MANAGEMENT

42 N

64 \mathfrak{D}

Œ

Œ S I

267.20

þ 18

16

16

N

Surface water samples

4554.60

340 104

100

1712.80

 $\frac{7}{2}$

230

120 120 9.60

209 12.00

120 13.30

365 15.10

14 19.70

136

TOTAL HOURS HOURLY RATE \$

22.00

25.20

33.40

8.60

5919.20 1596.00 3708.00 1152.00 1978.00 612.00 275.80 352,00 801.60 3427.20 DIRECT LABOR COSTS \$

43211.52 6481.73 19821.80 23389.72 TOTAL DTL COSTS INDIRECT LAROR COSTS TOTAL LABOR COSTS PROFIT (15%) 2/7/86

49693.25

TOTAL PRICE

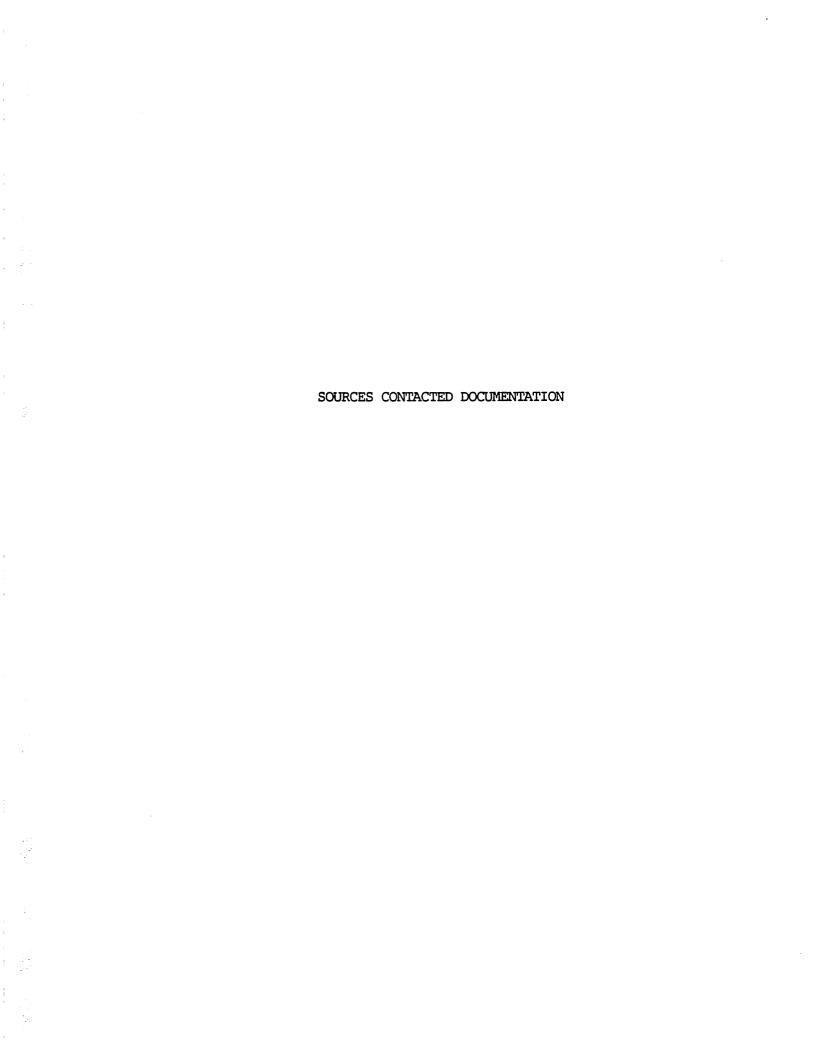
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PHASE II INVESTIGATION COST ESTIMATE

TABLE VI-4

SITE ID #: 915105 SITE NAME: VILLAGE OF DEFEW CONSULTANT: ENGINEERING SCIENCE

CONSULIANI: ENGINEERING SCIENCE				9		0 1.33157513	
HASK DESCRIPTION	DIRECT LABOR HOURS COST	LABOR COST (\$)	SUBCONIR. COSTS *	SOFF.* EGUIF.	MISC.		TOTALS *
11-A UPDATE WORKPLAN	897	3757	and the state and the state of	360	210	350	4677.00
II-E CONDUCT GEOPHYSICAL STUDIES	266	3478		1500	20	1570	6598.00
11-C CONDUCT FOR INSTALL	84	1188	13250	945	75	089	16138.00
MONITURING WELLS II-D CONSTRUCT TEST FITS/	9 10	574		420	80	300	1374.00
AUSER MULES 11-E SAMPLING AND ANALYSIS			6225	540	្ត	008	7665.00
Soil samples trom borings	9	217					217.00
Soil samples from surface							00.0
soils Soil samples +rom test pits/							00.0
auger noles Sediment samples +rom							00.0
surtace water Groundwater samples	G.G	701					701.00
Surface water samples	7 10	484					484.00
Hir samples							00*0
Waste samples	æ	2885					2889.00
11-F CALCULATE FINAL HRS SCORE	170	2695		G G	75		2820.00
II-6 CONDUCT SITE ASSESSMENT	60 40 40	4450		750	1000	165	00.3929
11-H PROJECT MANAGEMENT	102	1662		400	୍ରଥ		2212.00
SUBTOTAL AND	1378	22095.00	19475.00	4965.00	1690.00	3915.00	
1907/17 (2) FROFIT (2) FROFIT (4)		15 15 7225.07	5 973.75	5 248,25	5 84.50	0	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
IUTAL COSTS (\$)		55392.17	20448.75	5014.NS	1774.50	3915.00	86743.67

APPENDIX A Sources Contacted Documentation References



SOURCES CONTACTED SUMMARY SHEET VILLAGE OF DEPEW LANDFILL

Person Contacted/ Location	Telephone #	Date	Information Collected
Glenn Hardcastle	202-382-5617	12/19/85	Reviewed list of sites to
USEPA Headquarters, Superfund Office 401 M Street, SW Washington, DC			determine if additional information was available.
John Anderson USEPA-Region II EPA Information 345 3rd St., Suite 53 Niagara Falls, NY 143		1/6/86	General information from site files.
Charley Hudson NYSDOH Empire State Plaza Corning Tower Albany, NY 12237	518-474-2121	12/30/85	Draft Reports.
Kevin Walters NYSDEC-Div. of Environmental Enforcement 50 Wolf Road Albany, NY 12233	518-457-4346	11/20/85	Reviewed list of sites to determine legal actions taken.
Walt Demick NYSDEC-Div. of Solid & Haz. Waste 50 Wolf Road Albany, NY 12233	518-457-0639	11/19/85	General information from site files.
Bob Hannaford NYSDEC-Div. of Water SPDES Files 50 Wolf Road Albany, NY 12233	518-457-6716	11/20/85	Reviewed SPDES files for permit numbers and conditions.
Val Washington NYS - Dept. of Law, Attorney General's Of: Empire State Plaza Albany, NY 12233	518-473-3105 Fice	12/16/85	Reviewed list of sites to determine if legal action has occurred in the past, in progress, and/or is scheduled in the near future.

SOURCES CONTACTED SUMMARY SHEET

Person Contacted/ Location	Telephone #	Date	Information Collected	
Jeff T. Lacey Peter Burke Glenn Bailey NYS - Div. of Environmental Enforce 600 Delaware Ave. Buffalo, NY 14202	716-847-4582 ment	12/27/85 1/7/86	Reviewed list of sites to determine legal actions taken.	
Peter Buechi Ahmad Tayyebi Bob Mitrey Larry Clare NYSDEC - Region 9 Div. of Solid & Haz. 600 Delaware Ave. Buffalo, NY 14202	716-847-4585 Waste	11/14/85	Collected information from site files.	
Lou Violanti NYS - Regional Dept. of Health 585 Delaware Ave. Buffalo, NY 14202	716-847-4500	11/15/85	Sent site information to Peter Buechi.	
Henry Sondonato Robert Armbrust Dick Dybowski Larry Stiller Jackie DiPronio NYSDEC - Region 9 Division of Air 600 Delaware Ave. Buffalo, NY 14202	716-847-4565	11/15/85	Air emissions permits for sites.	
Mike Wilkenson Jim Sneider NYSDEC - Region 9 Div. of Fish & Wildli 600 Delaware Ave. Buffalo, NY 14202	716-847-4600 fe	11/14/85	Endangered species information.	
Mike McMurray NYSDEC - Region 9 600 Delaware Ave. Buffalo, NY 14202	716-847-4551	1/8/86	Wetlands and flood zone information.	

SOURCES CONTACTED SUMMARY SHEET

Person Contacted/ Location	Telephone #	Date	Information Collected
Marion Pfohl Spencer Schofield Erie and Niagara Count Regional Planning Boar 3103 Sheraton Dr. Amherst, NY 14226	-	12/20/85	Census data, general site information.
Tony Voell Don Campbell Erie County - Division of Environmental Contr 95 Franklin St. Buffalo, NY		11/14/85	Collected information from Erie County site files.
Ron Koczaja Erie County Health Department 95 Franklin St. Buffalo, NY	716-846-7677	11/25/85	General information.
Mayor A. Domino Vincent LiPuma Village of Depew 85 Manitou at Gould Depew, NY 14043	716-681-1215	12/10/85	Site interview - ownership, waste disposal practices, etc.
Robert H. Labenski Krehbiel Associates 1870 Niagara Falls Bly Tonawanda, NY 14150	716-693-9300	12/10/85	Boring log and Soils Report.
Gerald Devlin ECDEP, Assistant Deput 95 Franklin Street Buffalo, NY 14202	716-846-8387 -y	12/10/85	Site interview - overflow retention facility information.

GENERAL REFERENCES*

- 21) Barolo, D.M., NYSDEC, Memorandum concerning Ambient Water Quality Standards and Guidance Values, 7/24/85.
- 22) Freeze, R.A. and J.A. Cherry, Groundwater, Prentice-Hall, Inc., 1979.
- 23) Johnson, R.H., Ground Water in the Niagara Falls Area, New York, U.S. Geological Survey, 1964.
- 24) LaSala, A.M., Ground Water <u>Resources of the Erie-Niagara Basin</u>, New York, USDOI, Geological Survey, 1968.
- 25) NYS Museum and Science Service Bedrock Geology Map and Quaternary Map, 1970.
- 26) Stricht, E.M., Letter to NYS, Department of Health and Sanitation, 11/14/50.

^{*}Does not include "HRS References" which are provided directly after the HRS Documentation Records in Section V.

Henry G. Williams
Commissioner

New York State Department of Environmental Conservation 50 Wolf Road, Albany, New York 12233-0001

July 24, 1985

MEMORANDUM

TO: Bureau Directors, Regional Water Engineers, Section Chiefs

SUBJECT: Division of Water Technical and Operational Guidance Series

(85-W-38)

Ambient Water Quality Standards and Guidance Values

(Originator: John Zambrano)

I. Purpose

The purpose of this document is to provide a compilation of water quality standards and guidance values for toxic and non-conventional pollutants to be used in the Department's regulatory programs, including the SPDES permit program.

II. Discussion

This substantial revision of TOGS 85-W-38 is the result of the promulgation of amendments to 6 NYCRR Part 701-702, effective on August 2, 1985, governing the development and use of surface water quality standards and guidance values. This revision uses a new format in the tabulation and does not include the methodologies for the development of standards and guidance values. The user is referred to the regulations for a description of the methodologies.

III. Guidance

The Quality Evaluation Section will use the attached list in developing SPDES permit water quality-based effluent limits. The Criteria and Standards Section will maintain and revise the list on a regular basis.

Daniel M. Barolo, R.E.

Director

Division of Water

Attachments

cc: Dr. Banks

Mr. Pagano

Mr. Mt. Pleasant

Regional Engineers for Environmental Quality

Ms. Chrimes

REF

GROUNDWATER



0 14: Physical Properties and Principles / Ch. 2

Table 2.2 Range of Values of Hydraulic Conductivity and Permeability

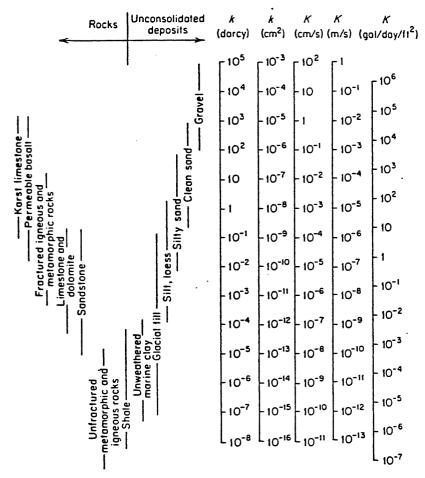


Table 2.3 Conversion Factors for Permeability and Hydraulic Conductivity Units

	Permeability, k*			Hydraulic conductivity, K		
•	cm²	ft²	darcy	m/s	ft/s	U.S. gal/day/ft²
<u> </u>	1	1.08 × 10 ⁻³	1.01 × 10 ⁸	9.80 × 10 ²	3.22 × 10 ³	1.85 × 10°
fi:	9.29×10^{2}	1	9.42×10^{10}	9.11 × 10 ⁵	2.99×10^{6}	1.71×10^{12}
que).	9.87 × 10 ⁻⁹	1.06×10^{-11}	1	9.66×10^{-6}	3.17 × 10 ⁻⁵	1.82×10^{1}
m 1	1.02×10^{-3}	1.10×10^{-6}	1.04×10^{5}	1	3.28	2.12×10^{6}
fis	3.11 × 10 ⁻⁴	3.35×10^{-7}	3.15×10^{4}	3.05×10^{-1}	1	6.46×10^{5}
	$19/f1^2 5.42 \times 10^{-10}$	5.83×10^{-13}	5.49×10^{-2}	4.72×10^{-7}	1.55 × 10-6	1

[•]To obtain k in ft², multiply k in cm² by 1.08 \times 10⁻³.

APPENDIX B
PROPOSED UPDATED NYS REGISTRY SHEET

NEW YORK STATE LEMARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID AND HAZARDOUS WASTE * INACTIVE HAZARDOUS WASTE DISPOSAL SITE REPORT

CLASSIFICATION CODE: 2a

REGION: 9

SITE CODE: 915105

NAME OF SITE : Village of Depew

STREET ADDRESS: 315 Borden Road

TOWN/CITY: Depen (Village)

COUNTY:

ZIP:

Erie

14043

SITE TYPE: Open Dump- Structure- Lagoon- Landfill-X Treatment Pond-ESTIMATED SIZE: 5 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME....: Village of Depew

CURRENT OWNER ADDRESS.: Gould Ave., Depew, NY 14043

OWNER(S) DURING USE...: Village of Depew OFERATOR DURING USE...: Village of Depew

OPERATOR ADDRESS...... Gould Ave., Depew, NY 14043

FERIOD ASSOCIATED WITH HAZARDOUS WASTE: From 1940's TO 1962.

SITE DESCRIPTION:

This site was formerly used by the Village of Depew and Arcata Graphics to dispose of paper, dust, wood and general refuse. (1940-1962)

Foundry sands from Dresser Industries were used as cover material during the operating period. Foundry sands during this time contained phenols.

In 1983, approximately 5 acres of this site were sold to Erie County for the construction of an Overflow Retention Facility for the waste water treatment process. The construction involved the excavation of 60,000 yd³ of soil. This excavated waste contained phenols but the concentration is unknown.

The Overflow Retention Facility is completed. The only visible evidence of prior landfilling is miscellaneous debris along the banks of Cayuga Creek. Additional waste are suspected to remain buried on-site.

HAZARDOUS WASTE DISPOSED: Confirmed- Suspected -X
______IYEE______QUANTITY_(units)_____

None Known

ZEF ZZ

GROUND WATER IN THE NIAGARA FALLS AREA, NEW YORK

With Emphasis on the Water-Bearing Characteristics of the Bedrock

BY
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GEOLOGIST
U.S. GEOLOGICAL SURVEY

STATE OF NEW YORK

CONSERVATION DEPARTMENT

WATER RESOURCES COMMISSION



BULLETIN GW - 53

46,732

GROUND-WATER RESOURCES OF THE REF ERIE-NIAGARA BASIN, NEW YORK



Prepared for the
Erie-Niagara Basin Regional Water Resources
Planning Board

by

A. M. La Sala, Jr.

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

in cooperation with

THE NEW YORK STATE CONSERVATION DEPARTMENT DIVISION OF WATER RESOURCES

STATE OF NEW YORK
CONSERVATION DEPARTMENT
WATER RESOURCES COMMISSION

Basin Planning Report ENB-3 1968

GEOLOGY AND TOPOGRAPHY

The Erie-Niagara basin is underlain by layers of sedimentary bedrock which are largely covered with unconsolidated deposits. Descriptions of the various bedrock units are given in figure 2. The bedrock consists mainly of shale, limestone, and dolomite; the Camillus Shale contains a large amount of interbedded gypsum. All the bedrock units were built up by fine-grained sediments deposited in ancient seas during the Silurian and Devonian Periods and, therefore, are bedded or layered. The dip of the rocks (inclination of the bedding planes) is gently southward at from 20 to 60 feet per mile, but the average dip is between 30 and 40 feet per mile. The dip is so gentle that it is hardly perceptible in outcrops.

The unconsolidated deposits are mostly glacial deposits formed during Pleistocene time about 10,000-15,000 years ago when an ice sheet covered the area. The glacial deposits consist of: (1) till, which is a nonsorted mixture of clay, silt, sand, and stones deposited directly from the ice sheet; (2) lake deposits, which are bedded clay, silt, and sand that settled out in lakes fed by the melting ice; and (3) sand and gravel deposits, which were laid down in glacial streams. The glacial sand and gravel deposits are of both the ice-contact and outwash types, as will be explained later in the report. The glacial deposits generally are less than 50 feet thick in the northern part of the basin. They are considerably thicker in some valleys in the southern part and reach a maximum known thickness of 600 feet near Chaffee. Other unconsolidated deposits are alluvium formed by streams in Recent times and swamp deposits formed by accumulation of decayed plant matter in poorly drained areas.

Relief of the present land surface is due to preglacial erosion of the bedrock and subsequent topographic modification by glaciation. In contrast to the southward dip of the rocks, the land surface rises to the south largely because preglacial erosion was more vigorous in the northern part of the basin. The shale in the southern part of the basin is somewhat more resistant to erosion than the rocks in the northern part of the basin but not significantly so. Figure 3 shows the relationship of the topography and rock structure and delineates the two topographic provinces of the basin: the Erie-Ontario Lowlands and the Appalachian Uplands. The rocks crop out in belts which trend generally east-west. The bedrock geologic map, plate 2, shows that the outcrop belts bend around to the southwest near Lake Erie. They assume this direction mainly because relatively intense erosion in the Erie-Ontario Lowland near Lake Erie has exposed the rock at lower elevations than farther east. The Lockport Dolomite and the Onondaga Limestone, because they are relatively resistant to erosion, form low ridges in the northern part of the basin. Tonawanda, Murder, and Ellicott Creeks descend the escarpment of the Onondaga at falls and cataracts.

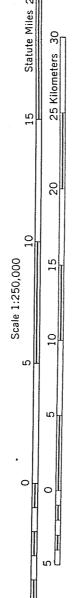
In the hilly southern half of the basin (the Appalachian Uplands), preglacial valleys, deepened by glacial erosion, are cut into the shale. The valleys are partly filled with glacial deposits so that some of the present streams flow 200 to 600 feet above the bedrock floors of the valleys as shown in figure 3.

1145,1970 REF

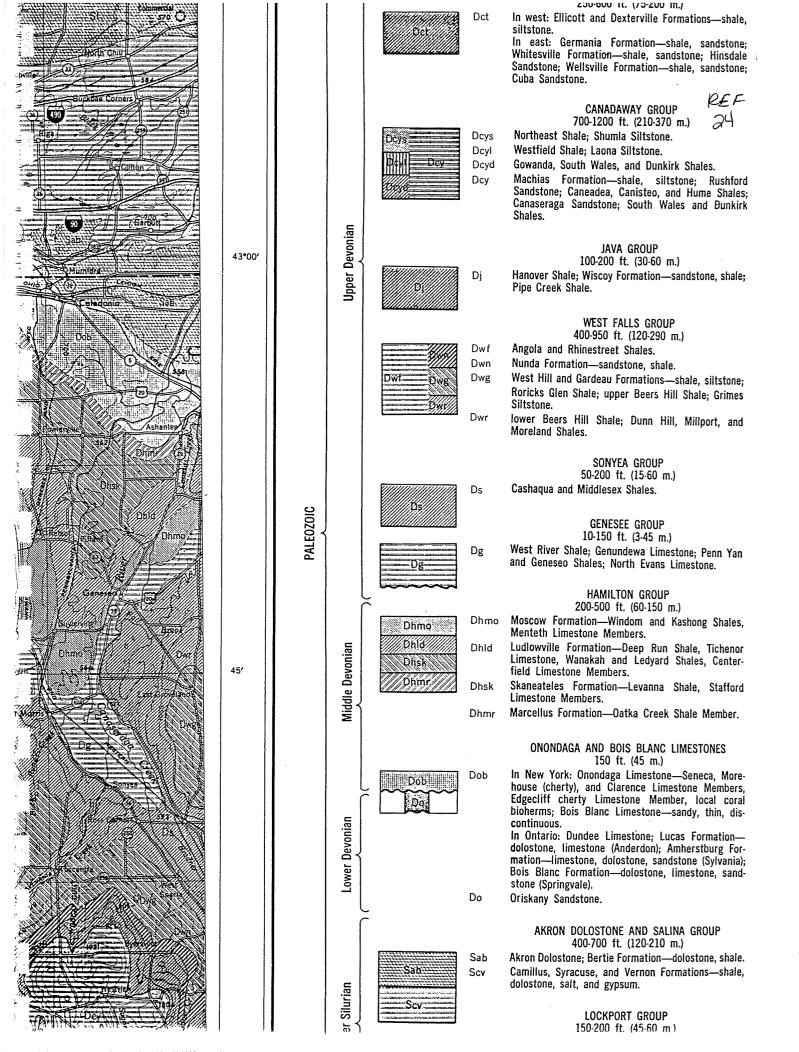
GEOLOGIC MAP OF NEW YORK

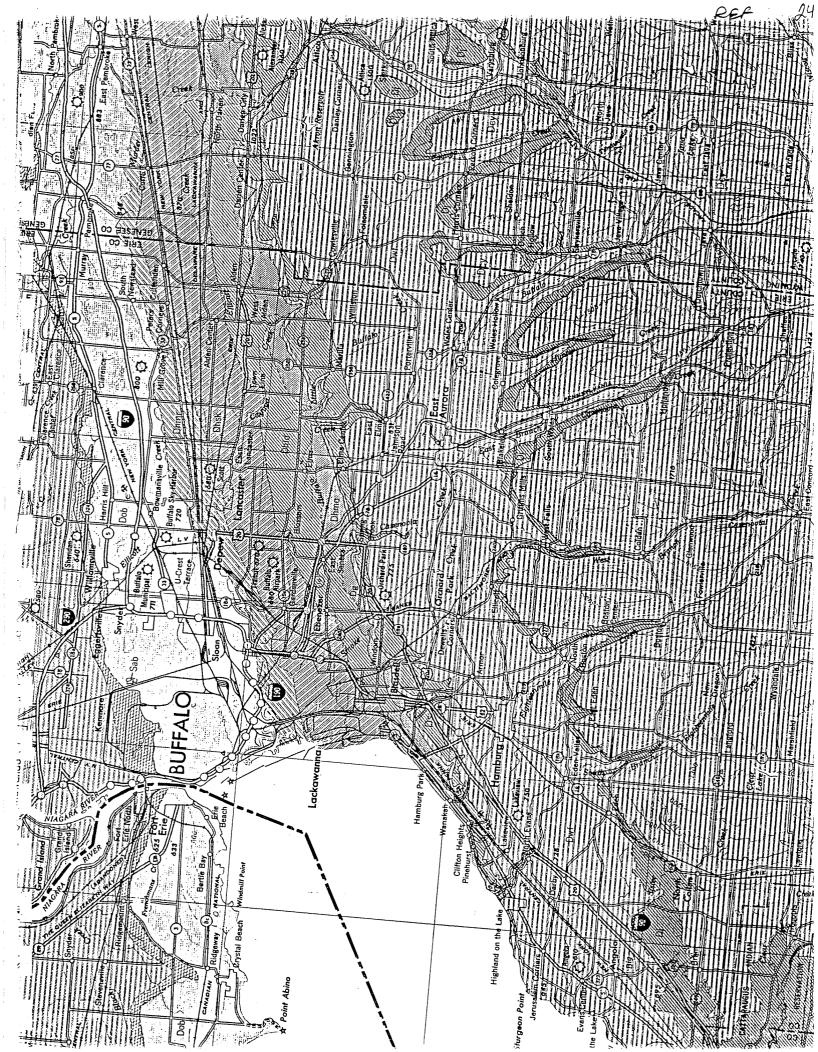
1970

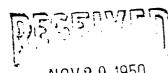
Niagara Sheet



CONTOUR INTERVAL 100 FEET







NOA 3 0 1820

ENVINCAMENTAL SANITATION

Edward M. Sticht 188 Zurbrick Road Depew, M. Y. November 14, 1950

New York State Legartment of Health and Sanitation Albany, New York

Gentlemen:

I am writing to complain of an intolerable condition that has taxed the patience of all the people of this area for the past ten years. It is in regards to the disposition of the garbage and refuse within the village of Depew.

Ten years ago the village dump was located on the north bank of Cayuga Creek at the Bordon road bridge. This particular spot is about ½ mile down stream from my property and about ½ miles down stream from the recently completed Federal Government Flood Control Project through the village of Lancaster. Dispite complaints and local public petitions to the village board the dump has spread over the valley destroying the only scenic asset that the village possesses. It now occupies an area about ½ mile square and out of all proportion to requirements. Until recently fires were burning constantly. Fortunately this evil has been corrected. However, the village authority promised faithfully, or rather in bad faith to keep the garbage covered at all times with the following result:

Not once through-out the entire summer was the garbage covered, but was left open to breed flies and rats, and to contaminate the air. The air recked with the odors of decaying garbage throughout the summer. It is fortunate that a Polio Epidemic was not started from the result of this contamination.

Recently the village took upon itself the exploitation of the top soil on this village property which consists of sedimentary soil lying on bed rock about seven feet in depth. Just this past week they have completed a contract with a private concern to remove ten thousand yards of soil with the result that a nole remains about 500 x 100 feet in area. A levy about 50 feet wide remains between this excavation and the stream bed proper. An earlier digging is being filled with garbage which is about six feet higher than the original surface dispite a town ordinance requiring the removal of top soil to be refilled to the original surface, six inches of soil replaced and subsequently planted.

With the advent of a fall rain and the melting snow in Spring, the flood waters leave the Lancaster Flood Control Project, which ends at Penora Street and fans out into this broad low valley west of Transit Road where the dumping area is located, forming a vast lake with the waters rising at least tenifeet high on our

southern bank. The result in that the above superinposed rubbish forms an island in the center of the lake with the obvious result that much of this refuse is flushed out, thereby further poluting the stream and spreading the contamination further. Last fall the earlier excavation remained filled with water after a flood resulting in a lake which became a potential danger for any children who might have ventured out on the thin ice which formed during the winter months. No drainage has yet been provided for this excavation or the recent one.

This past week my neighbor upon complaint was again promised that the garbage would be covered. This will be impossible unless soil is brought in for that purpose. There is no segregating of garbage which might faciletate coverage material. Are they to continue piling rubbish higher than the natural flood plain? What action can be taken to compel the authorities to build a much needed incenerator?

The village of Depew lies in two townships. The major part and dense population lies in the township of Lencaster. Transit Road is the dividing line with the smaller part of the village and sparcely populated area lying in the Township of Cheektowaga. The township of Cheektowaga has a large modern incenerator located on Union Road. Is it possible to force the town to use this incenerator? The Township of Lancaster is at this moment planning on building an incenerator. Between the two townships, can it not be possible to remove this blight and contamination from this area.

Yours truly,

Edward m Stickt

P.S. Proturer & map need not be returned.