New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation
50 Wolf Road
Albany, New York 12233-4015

Add ____
Modify ____
Reclassify ____
Delist X

ADDITIONS/CHANGES TO REGISTRY OF INACTIVE HAZARDOUS WASTE DISPOSAL SITES

Site Name Depew Village Landfill **DEC ID Number** 915105

Site Address Borden Road, Depew **County** Erie

___ **Add New Site:** (Potential hazardous waste site, Site Inspection Summary Report, EPA Preliminary Assessment Form and Registry Form must be completed and attached)

___ Modify Registry data (detail below)

___ Reclassify from class ___ to class ___. (justify below)

_X_ Delist (justify below)

RECEIVED
MAY 18 1990
BUREAU OF ENVIRONMENTAL EXPOSURE INVESTIGATION

Detail/Justification

Justification:

There is no evidence that this site has ever received hazardous wastes. From approximately 1940 to 1961, 10,000 tons per year of municipal wastes were disposed at this site by the Village of Depew, who owned this site until 1983. In 1983 the site was sold to Erie County for use as an overflow retention facility. While this facility was under construction, the county removed approximately 60,000 cubic yards of municipal waste and took it to the Seaway Niagara Landfill in Tonawanda.

Foundry sand from Dresser Industries was used to cover this landfill during its use by the Village of Depew. Inspections of this site by Erie County DEP in 1985, and by NYSDEC staff in 1989 and March 1990 did not note any leachate outbreaks. Samples taken by NYSDEC staff during the 10/18/89 inspection were analyzed for total metals, EP toxicity and total phenols. No contaminants were found to indicate the presence of hazardous waste. Site to be referred to Division of Solid Waste to address the maintenance of the municipal landfill.

Prepared by E. James Feron, Jr. Date: 4/13/90

Approvals: Attorney [illegible] 4/27/90

Reg. Haz. Waste Eng. [signature] Date: 4/19/90

R. Tramontano NYSDOH [signature] Date: 9/18/90

R. Dana/DEE [signature] Date: 5/9/90

W. Demick/J. Swartwout/ D. Curtis [signature] Date: 5/1/90

R. Marino [signature] Date: 9/24/90

E. Barcomb [signature] Date: 9/25/90

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: D1 REGION: 9 SITE CODE: 915105
EPA ID: NYD980211031

NAME OF SITE : Depew Village Landfill
STREET ADDRESS: 315 Borden Road
TOWN/CITY: COUNTY: ZIP:
Depew Erie

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

SITE OWNER/OPERATOR INFORMATION:
CURRENT OWNER NAME....: Village of Depew
CURRENT OWNER ADDRESS.: 85 Manita St., Depew, NY
OWNER(S) DURING USE...: Village of Depew
OPERATOR DURING USE...:
OPERATOR ADDRESS.....:
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, foundry sand, and general refuse. The site was mostly excavated and rubbish was removed as part of the construction of a stormwater overflow retention facility in 1984. The remainder of the site was covered, graded, and seeded. A Phase I investigation for this site was completed in 1988. DEC sampled soils at this site in October of 1989. No contaminants were found to indicate the presence of hazardous waste.

HAZARDOUS WASTE DISPOSED:	Confirmed-	Suspected-
	TYPE	QUANTITY (units)

SITE CODE: 915105

ANALYTICAL DATA AVAILABLE:
Air- Surface Water- Groundwater- Soil-X Sediment-

CONTRAVENTION OF STANDARDS:
Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE..: None State- Federal-
STATUS: Negotiation in Progress- Order Signed-

REMEDIAL ACTION:

Proposed- Under design- In Progress- Completed-
NATURE OF ACTION: None

GEOTECHNICAL INFORMATION:
SOIL TYPE: Not Known
GROUNDWATER DEPTH: Not Known

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

Most of this site was excavated and an overflow retention facility was constructed on it. Most of the waste at this site is foundry sand from Dresser Industries.

ASSESSMENT OF HEALTH PROBLEMS:

The site is 5 acres in size and located in an oxbow bend in Cayuga Creek in the Village of Depew. A sewer overflow retention facility was built in 1983 on part of the site. Environmental monitoring of the groundwater, surface water or soil has not been conducted at this site. It is reported that municipal waste and foundry sands from Dresser Industries were landfilled. The landfill cover is reportedly composed of the foundry sands. All residences in the area of the site use a public water supply.

New York State Department of Environmental Conservation
600 Delaware Avenue, Buffalo, New York 14202

Thomas C. Jorling
Commissioner

M E M O R A N D U M

To: Peter J. Buechi

FROM: Martin L. Doster

SUBJECT: Depew Village Landfill
Depew (V), Erie Co.
Site No. 915105

DATE: April 18, 1990

Attached please find a delist package for the above-named site.

A Phase I report was finalized in January 1988 by Engineering-Science which concluded that hazardous waste cannot be documented as ever being disposed of at this site. Foundry sand from Dresser Industries was used as cover material.

Since the Phase I did not include sampling, and because of the fact that foundry sand was used as cover, the Regional Office performed a limited sampling of surface material on 10/18/89. Results indicate the following maximum values from three sample locations (refer to package for locations, specific results etc.)*:

Calcium	122,000 ppm
Copper	561 ppm
Lead	276 ppm
Phenol	0.5 ppm

EP Toxicity data was less than characteristic waste levels in all cases. It is my understanding that foundry sand is not considered a hazardous waste.

Therefore, it is my recommendation that the site be delisted and transferred to the Division of Solid Waste. The report indicates the cover is lacking and the possibility of erosion exists being next to Cayuga Creek. The elevated values of calcium could impact the stream and this information will be transmitted to the regional Division of Water personnel.

* Listed are those parameters above typical background levels.

cc: J. Feron

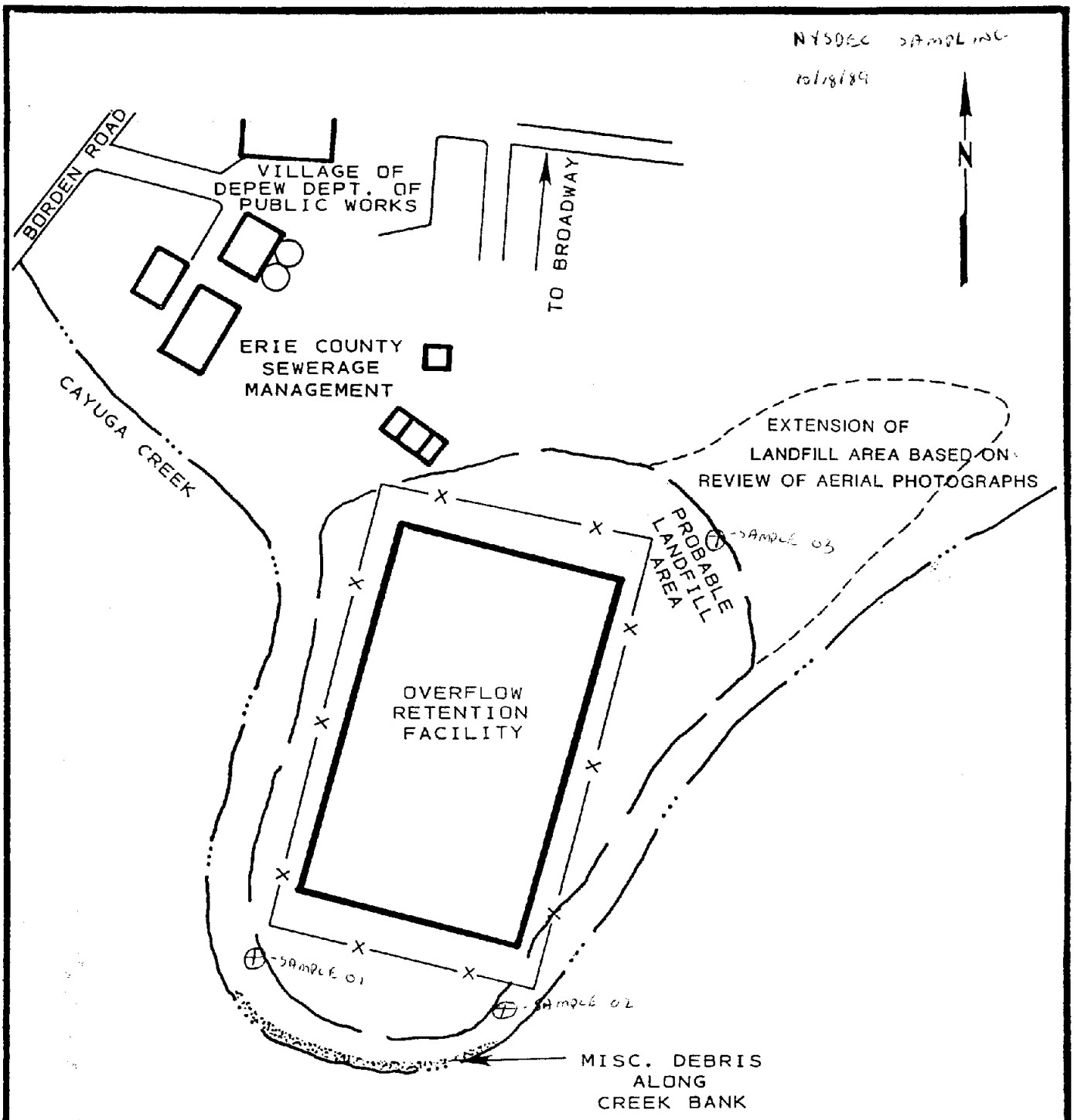
SECTION I
EXECUTIVE SUMMARY

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).



ENGINEERING-SCIENCE, INC.
IN ASSOCIATION WITH
DAMES & MOORE

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

PLOT PLAN
VILLAGE OF DEPEW

FIGURE I-2

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

Village of Depew 915105

mr. Feron:

Attached for your review and action.

MLD 1/16/90

Village of Depew - 915105
SH 9 8910 915105 2:00PM 10/18/89
40°F WIND 10-15MPH NE
OVER CAST DAMP COLD
THIS SITE IS OCCUPIED MAINLY BY AN ERIE CTY STORMWATER RETENTION BASIN, CAYUGA CREEK SURROUNDS THE SITE ON EAST, SOUTH & NORTH. VILLAGE DPW IS TO THE SOUTHWEST SOME TIRES PROTRUDE THRU THE OLD FILL. THE SLOPE OF THE OLD L.F. IS EVIDENT ALONG THE EAST AND SOUTH OF THE SITE. THE RETENTION BASIN SITS ATOP THE OLD SLOPE, IT APPEARS.

TRANSLATION

VILLAGE OF DEPEW L.F. 915105
SH 9 8910 915105 - 2:00PM 10/18/89
40°F WIND 10-15MPH NE
OVERCAST; DAMP, COLD
THIS SITE IS OCCUPIED MAINLY BY AN ERIE COUNTY STORMWATER RETENTION BASIN. CAYUGA CREEK SURROUNDS THE SITE ON THE EAST, SOUTH AND NORTH. THE VILLAGE DPW IS TO THE SOUTHWEST. SOME TIRES PROTRUDE THRU THE OLD FILL, THE SLOPE OF THE OLD L.F. IS EVIDENT ALONG THE EAST AND SOUTH OF THE SITE. THE RETENTION BASIN SITS ATOP THE OLD SLOPE IT APPEARS.

SAMPLE - 01 15:00hr

Southwest corner of ORF + landfill. Top 18" are clay + trace gravel (brown) move to new location.

SW corner of ORF in golden rod.

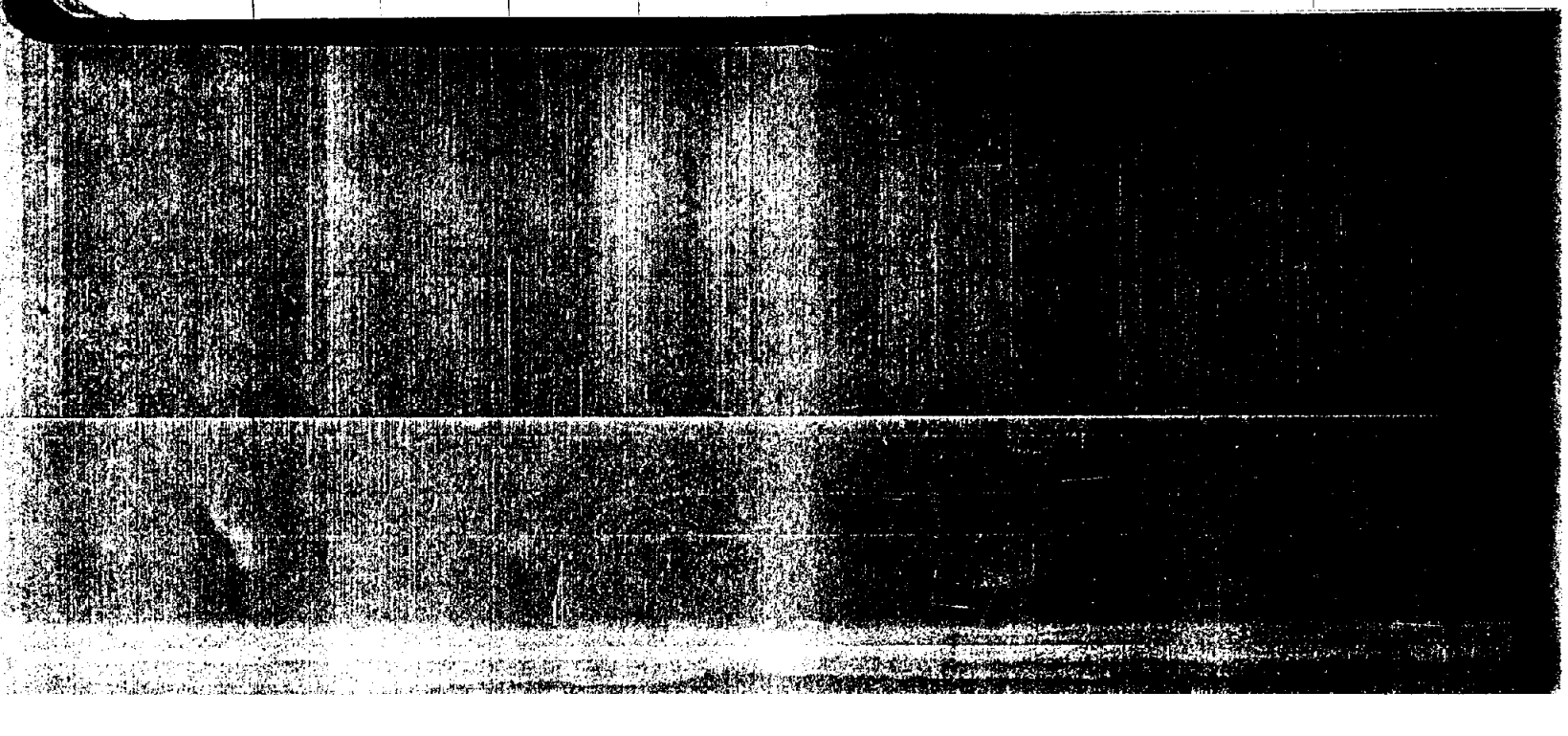
Sample from 6-12". Note metal

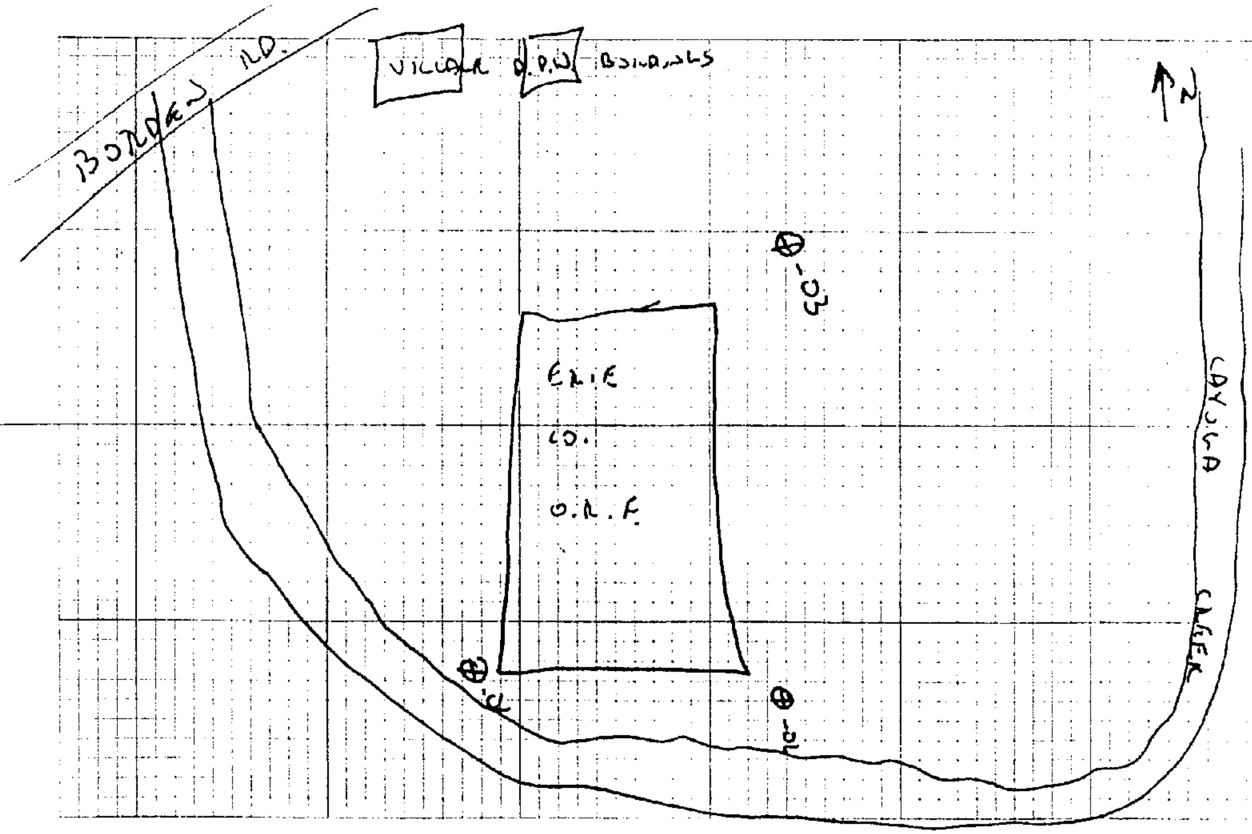
VILLAGE OF DEPEW
915105

rod and sheet metal found in hole.
Site is 10' off cut lawn area south
of west edge of ORF. Black sand
and gravel w/ what looks like slag.
Test for Metals, EP Tox, Phenols, + %H2O

-02 SE corner of landfill the way
1515 down left just off lawn. Copper
wire noted in hole. Black and sandy
under edge of trees near creek.
Cover very thin found beer can +
other garbage, wood, cardboard
glass. See 01 for param.

-03 NE corner of ORF
(≈ 30') off fence corner
1530 6" coarse gravel then into
clay w/ trace of slag.
Sample 6-10". See 01 for
param. found piece of
copper tubing.




BORDEN RD.
VILLAGE D.P.W. BUILDINGS
N
CAYUGA CREEK
ERIE CO.
-03

DEPEW VILLAGE

915105 NYSDEC

~~000021~~ 000022

NYSDEC SAMPLE NO.

~~EPA SAMPLE NO.~~

510503

1

INORGANIC ANALYSES DATA SHEET

Lab Name: ITAS_PITTSBURGH_____ Contract: C002165___

Lab Code: ITPA__ Case No.: SH989 SAS No.: _____ SDG No.: 8910-C

Matrix (soil/water): SOIL_ Lab Sample ID: 915105-03_

Level (low/med): LOW__ Date Received: 10/21/89

% Solids: _86.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6630		*	P
7440-36-0	Antimony	3.9	B	N	P
7440-38-2	Arsenic	3.4			F
7440-39-3	Barium	56.2			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	0.95	B		P
7440-70-2	Calcium	79300		*	P
7440-47-3	Chromium	24.9			P
7440-48-4	Cobalt	7.0	B		P
7440-50-8	Copper	35.0		E*	P
7439-89-6	Iron	14800		*	P
7439-92-1	Lead	118			F
7439-95-4	Magnesium	22200		*	P
7439-96-5	Manganese	396			P
7439-97-6	Mercury	0.08	B		CV
7440-02-0	Nickel	15.7			P
7440-09-7	Potassium	1130	B		P
7782-49-2	Selenium	0.46	U	N	F
7440-22-4	Silver	1.4	B	N	P
7440-23-5	Sodium	136	B		P
7440-28-0	Thallium	0.46	U	W	F
7440-62-2	Vanadium	20.0			P
7440-66-6	Zinc	114		EN*	P

Color Before: BROWN____ Clarity Before: _____ Texture: MEDIUM

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS: ROOTS

NYSDEC

NYSDEC SAMPLE NO.

[redacted]

1

INORGANIC ANALYSES DATA SHEET

510502

Lab Name: ITAS_PITTSBURGH_____ Contract: C002165___

Lab Code: ITPA__ Case No.: SH789 SAS No.: _____ SDG No.: 9217 B

Matrix (soil/water): WATER RESULTS OF EP TOXICITY TEST ON SOIL SAMPLE Lab Sample ID: P1210F-03

Level (low/med): LOW__ Date Received: 10/8/89

% Solids: ___0.0

Concentration Units (ug/L or mg/Kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M	EPTOX CRITERIA
7440-38-2	Arsenic	8.0	U		F	5000
7439-92-1	Lead	34.8			F	5000
7440-39-3	Barium	464			F	10000
7440-43-9	Cadmium	13.4			P	1000
7440-47-3	Chromium	73.5			F	5000
7439-97-6	Mercury	0.10	U		CV	200
7782-49-2	Selenium	80.0	U	N	F	1000
7440-22-4	Silver	20.8		N	P	5000

Color Before: COLORLESS Clarity Before: CLEAR_ Texture:

Color After: COLORLESS Clarity After: CLEAR_ Artifacts:

Comments:

FORM I - IN

7/87

NYSDEC
Date: 11/18/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Case: SH989 SDG:8910D

E.P. Toxicity Leachate Analysis of Pesticides

Sample ID:	Lindane	Endrin	Methoxychlor	Toxaphene
		Concentration µg/L		
Blank 10/30/89	ND0.05	ND0.10	ND0.5	ND1.0
EP-PB 10/26/89	ND0.05	ND0.10	ND0.5	ND1.0
[redacted]				
[redacted]	ND0.05	ND0.10	ND0.5	
[redacted]				
915105-03	ND0.05	ND0.10	ND0.5	ND1.0
[redacted]				

Matrix Spike Percent Recovery

	Lindane	Endrin	Methoxychlor
	Percent Recovery		
915008A-02 MS	84%	106%	106%
915008A-02 MSD	86%	130%	107%

NYSDEC
Date: 11/18/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Case: SH989 SDG:8910D

E.P. Toxicity Leachate Analysis of Herbicides

Sample ID:	2,4-D	2,4,5-TP (Silvex)
Blank 10/30/89	ND12	ND1.7
EP-PB 10/26/89	ND12	ND1.7
[redacted]		
915105-03	ND12	ND1.7
[redacted]		

Matrix Spike
Percent Recovery

	2,4-D	2,4,5-TP (Silvex)
Blank Spike 10/30/89	67%	61%
915008A-02 MSD	74%	62%

Dave Dunlop
4/12 731-8806

000357

---------- Raw Data Report ----------

Raw Data Contents of 8911010A.log
Method Name: phenol File: C:\Fialab\SiteData\phenol

Tray Ref: 8911010A, Tray ID: NYSDEC, Operator: PJ
There were 14 samples in this tray.

Inj.#1 was Std. A, Rep. #1, 0.500 mg/l at 15: 6
Ch. 2 (phenol); Height = 3795; Area = 202625; Baseline = 13.1

Inj.#2 was Std. B, Rep. #1, 0.200 mg/l at 15: 6
Ch. 2 (phenol); Height = 1528; Area = 82441; Baseline = 17.5

Inj.#3 was Std. C, Rep. #1, 0.100 mg/l at 15: 7
Ch. 2 (phenol); Height = 744; Area = 40791; Baseline = 15.2

Inj.#4 was Std. D, Rep. #1, 0.050 mg/l at 15: 8
Ch. 2 (phenol); Height = 358; Area = 20044; Baseline = 12.5

Inj.#5 was Std. E, Rep. #1, 0.025 mg/l at 15: 8
Ch. 2 (phenol); Height = 204; Area = 11860; Baseline = 5.4

Inj.#6 was Std. F, Rep. #1, 0.010 mg/l at 15: 9
Ch. 2 (phenol); Height = 66; Area = 4312; Baseline = 5.8

Inj.#7 was Std. G, Rep. #1, 0.005 mg/l at 15:10
Ch. 2 (phenol); Height = 33; Area = 2093; Baseline = 4.1

Inj.#8 was Std. H, Rep. #1, 0.000 mg/l at 15:10
Ch. 2 (phenol); Height = 9; Area = -847; Baseline = 0.8

Inj.# 9 is Cup# 1, ID: ICV, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:12
Ch. 2 (phenol); Height = 750; Area = 39404; Baseline = -2.3
The Determined Concentration was 0.101 mg/l

Inj.# 10 is Cup# 2, ID: ICB, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:13
Ch. 2 (phenol); Height = 6; Area = -987; Baseline = 0.1
The Determined Concentration was -0.000 mg/l

Inj.# 11 is Cup# 3, ID: PBS, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:13
Ch. 2 (phenol); Height = 6; Area = 126; Baseline = 3.1
The Determined Concentration was 0.001 mg/l

Inj.# 12 is Cup# 4, ID: DIST STD, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:14
Ch. 2 (phenol); Height = 678; Area = 35830; Baseline = 0.1
The Determined Concentration was 0.091 mg/l

Inj.# 13 is Cup# 5, ID: 915105-01, Dil: 99.55, Wt: 1.0000, Rep.#1 at 15:15

Ch. 2 (phenol); Height = 26; Area = 2068; Baseline = 8.4
The Determined Concentration was 0.004 mg/l = 0.4 mg/kg 0.5 mg/kg dry

Inj.# 14 is Cup# 6, ID: 915105-02, Dil: 99.21, Wt: 1.0000, Rep.#1 at 15:15
Ch. 2 (phenol); Height = 13; Area = 946; Baseline = 2.3
The Determined Concentration was 0.003 mg/l = 0.3 mg/kg 0.3 mg/kg dry

Inj.# 15 is Cup# 7, ID: 915105-03, Dil: 99.88, Wt: 1.0000, Rep.#1 at 15:16
Ch. 2 (phenol); Height = 13; Area = 1049; Baseline = 4.4
The Determined Concentration was 0.002 mg/l 0.2 mg/kg 0.2 mg/kg dry

Inj.# 16 is Cup# 8, ID: 915105-03D, Dil: 99.92, Wt: 1.0000, Rep.#1 at 15:17
Ch. 2 (phenol); Height = 13; Area = 1006; Baseline = 7.3
The Determined Concentration was 0.002 mg/l 0.2 mg/kg 0.2 mg/kg dry

Inj.# 17 is Cup# 9, ID: 915105-03S, Dil: 99.70, Wt: 1.0000, Rep.#1 at 15:17
Ch. 2 (phenol); Height = 1378; Area = 73262; Baseline = 6.2
The Determined Concentration was 0.182 mg/l

Inj.# 18 is Cup# 10, ID: 932090-01, Dil: 98.92, Wt: 1.0000, Rep.#1 at 15:18
Ch. 2 (phenol); Height = 96; Area = 6847; Baseline = 11.5
The Determined Concentration was 0.014 mg/l 1.4 mg/kg = 9.3 mg/kg dry

Inj.# 19 is Cup# 11, ID: 932090-02, Dil: 98.93, Wt: 1.0000, Rep.#1 at 15:19
Ch. 2 (phenol); Height = 289; Area = 16938; Baseline = 12.0
The Determined Concentration was 0.039 mg/l 3.9 mg/kg = 16.3 mg/kg dry

Inj.# 20 is Cup# 12, ID: 932090-03, Dil: 99.43, Wt: 1.0000, Rep.#1 at 15:19
Ch. 2 (phenol); Height = 53; Area = 4279; Baseline = 14.2
The Determined Concentration was 0.007 mg/l 0.7 mg/kg 1.8 mg/kg dry

Inj.# 21 is Cup# 13, ID: CCV1, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:20
Ch. 2 (phenol); Height = 763; Area = 41224; Baseline = 16.1
The Determined Concentration was 0.099 mg/l 9.9

Inj.# 22 is Cup# 14, ID: CCB1, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:21
Ch. 2 (phenol); Height = 16; Area = 729; Baseline = 10.3
The Determined Concentration was -0.001 mg/l

000010

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
[redacted]	518-457-0747	9

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
[redacted]	Erie	10/11/09	1530

SAMPLING POINT:	OUTFALL NUMBER	CHECK IF SAMPLING IS PART OF INSPECTION ☐
	SPDES NUMBER	FLOW MGD

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
549	8910	315105-03	☐ This Sample	☐ Grab ☐ Composite ☐ Term _____ hrs

SAMPLE MATRIX:
☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 1. All (SPDES)—Includes 2-6	☐ 2. 13 PP Metals	☐ 3. Volatiles—USEPA 624 (GC/MS)
☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)	☐ 5. Cyanide	☐ 6. Pesticides/PCB's (USEPA 608-GC)
☐ 7. Halogenated Volatiles (USEPA 601-GC)	☐ 8. Aromatic Volatiles (USEPA 602-GC)	☐ 9. BOD
☐ 10. pH	☐ 11. COD	☐ 12. TSS
☐ 13. Settleable Solids	☐ 14. TKN	☐ 15. Ammonia
☐ 16. Nitrate/Nitrite	☐ 17. Total Phosphrous	☐ 18. Reactive Phosphorus
☐ 19. Oil/Grease	☐ 20. TOC	☐ 21. Total Phenols
☐ 22. Other _____	☐ 59. PCB's at 0.065 ug/L	☐ 60. PCB's congener

CONTRACT LABORATORY PROTOCOLS

☐ 23. (ALL)—Water—Includes 24-28	☐ 29. (ALL)— Soil/Sediments—Includes 30-34
☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS	☐ 30. B/N/A—Soils/Sediment—GC-MS
☐ 25. Volatile Organic Analysis VOA—Water—GC-MS	☐ 31. VOA—Soils/Sediments—GC-MS
☐ 26. Pesticides/PCB's—Water—GC	☐ 32. Pesticides/PCB's—Soils/Sediment—GC
☐ 27. Metals—Water	☒ 33. Metals—Soil/Sediment
☐ 28. Cyanide—Water	☐ 34. Cyanide—Soils/Sediment
	☒ 35. Other Hanna - Soils/Sediments

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☒ 36. EP Toxicity	☐ 37. EP Toxicity (Metals Only)	☐ 38. Ignitability
☐ 39. Corrosivity	☐ 40. VOA—(USEPA 8240)	☐ 41. BNA—(USEPA 8270)
☐ 42. Pesticides/PCB's (USEPA 8080)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____		

MUNICIPAL SLUDGE [redacted]

☐ 49. RSGB-01	☐ 52. RSRB-01	☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01	☐ 57. RSRR-02	☐ 58. Other _____

[redacted] applicable)

☐ [redacted] are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

DEPEW VILLAGE
915105 NYSDEC

000021
NYSDEC SAMPLE NO.

1
INORGANIC ANALYSES DATA SHEET

510502
915105-2

Lab Name: ITAS_PITTSBURGH_____ Contract: C002165___

Lab Code: ITPA__ Case No.: SH989 SAS No.: _____ SDG No.: 8910-C

Matrix (soil/water): SOIL_ Lab Sample ID: 915105-02_

Level (low/med): LOW__ Date Received: 10/21/89

% Solids: 88.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	3240		*	P	
7440-36-0	Antimony	7.7	B	N	P	
7440-38-2	Arsenic	3.7			F	
7440-39-3	Barium	44.8			P	
7440-41-7	Beryllium	1.1	B		P	
7440-43-9	Cadmium	4.0			P	
7440-70-2	Calcium	122000		*	P	
7440-47-3	Chromium	32.6			P	
7440-48-4	Cobalt	6.0	B		P	
7440-50-8	Copper	561		E*	P	170
7439-89-6	Iron	21000		*	P	
7439-92-1	Lead	276		S	F	
7439-95-4	Magnesium	25500		*	P	
7439-96-5	Manganese	403			P	
7439-97-6	Mercury	0.31			CV	
7440-02-0	Nickel	17.4			P	
7440-09-7	Potassium	536	B		P	
7782-49-2	Selenium	0.44	U	WN	F	
7440-22-4	Silver	2.4		N	P	
7440-23-5	Sodium	157	B		P	
7440-28-0	Thallium	0.44	U	W	F	
7440-62-2	Vanadium	13.6			P	
7440-66-6	Zinc	193		EN*	P	

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:
ARTIFACTS: WOOD

000103

NYSDEC

NYSDEC SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

510503
915105-03

Lab Name: ITAS_PITTSBURGH_____ Contract: 68D81SE___

Lab Code: ITAS_ Case No.: SH989 SAS No.: _____ SDG No.: 510503

Matrix (soil/water): WATER RESULTS OF EP TOXICITY TEST ON SOIL SAMPLE Lab Sample ID: 915105-03_

Level (low/med): LOW__ Date Received: 10/21/89

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	EP TOX CRITERIA
7440-38-2	Arsenic	8.0	U		F	5000
7439-92-1	Lead	207		B	F	X 5000
7440-39-3	Barium	355			P	10000
7440-43-9	Cadmium	45.8			P	X 1000
7440-47-3	Chromium	80.5			P	X 5000
7439-97-6	Mercury	0.10	U		CV	200
7782-49-2	Selenium	2.0	U	UN	F	1000
7440-22-4	Silver	21.4		N	P	5000

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN

7/88

NYSDEC
Date: 11/18/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Case: SH989 SDG:8910D

E.P. Toxicity Leachate Analysis of Pesticides

Sample ID:	Lindane	Endrin	Methoxychlor	Toxaphene
		Concentration µg/L		
Blank 10/30/89	ND0.05	ND0.10	ND0.5	ND1.0
EP-PB 10/26/89	ND0.05	ND0.10	ND0.5	ND1.0
[redacted]				
915105-02	ND0.05	ND0.10	ND0.5	ND1.0
[redacted]				

Matrix Spike Percent Recovery

	Lindane	Endrin	Methoxychlor
	Percent Recovery		
915008A-02 MS	84%	106%	106%
915008A-02 MSD	86%	130%	107%

NYSDEC
Date: 11/18/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Case: SH989 SDG:8910D

E.P. Toxicity Leachate Analysis of Herbicides

Sample ID:	2,4-D	2,4,5-TP (Silvex)
Blank 10/30/89	ND12	ND1.7
EP-PB 10/26/89	ND12	ND1.7
[redacted]		
915105-02	ND12	ND1.7
[redacted]		

Matrix Spike
Percent Recovery

	2,4-D	2,4,5-TP (Silvex)
Blank Spike 10/30/89	67%	61%
915008A-02 MSD	74%	62%

Dave Dunlop
4/12 731-8806

000357

---------- Raw Data Report ----------

Raw Data Contents of 8911010A.log
Method Name: phenol File: C:\Fialab\SiteData\phenol

Tray Ref: 8911010A, Tray ID: NYSDEC, Operator: PJ
There were 14 samples in this tray.

Inj.#1 was Std. A, Rep. #1, 0.500 mg/l at 15: 6
Ch. 2 (phenol); Height = 3795; Area = 202625; Baseline = 13.1

Inj.#2 was Std. B, Rep. #1, 0.200 mg/l at 15: 6
Ch. 2 (phenol); Height = 1528; Area = 82441; Baseline = 17.5

Inj.#3 was Std. C, Rep. #1, 0.100 mg/l at 15: 7
Ch. 2 (phenol); Height = 744; Area = 40791; Baseline = 15.2

Inj.#4 was Std. D, Rep. #1, 0.050 mg/l at 15: 8
Ch. 2 (phenol); Height = 358; Area = 20044; Baseline = 12.5

Inj.#5 was Std. E, Rep. #1, 0.025 mg/l at 15: 8
Ch. 2 (phenol); Height = 204; Area = 11860; Baseline = 5.4

Inj.#6 was Std. F, Rep. #1, 0.010 mg/l at 15: 9
Ch. 2 (phenol); Height = 66; Area = 4312; Baseline = 5.8

Inj.#7 was Std. G, Rep. #1, 0.005 mg/l at 15:10
Ch. 2 (phenol); Height = 33; Area = 2093; Baseline = 4.1

Inj.#8 was Std. H, Rep. #1, 0.000 mg/l at 15:10
Ch. 2 (phenol); Height = 9; Area = -847; Baseline = 0.8

Inj.# 9 is Cup# 1, ID: ICV, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:12
Ch. 2 (phenol); Height = 750; Area = 39404; Baseline = -2.3
The Determined Concentration was 0.101 mg/l

Inj.# 10 is Cup# 2, ID: ICB, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:13
Ch. 2 (phenol); Height = 6; Area = -987; Baseline = 0.1
The Determined Concentration was -0.000 mg/l

Inj.# 11 is Cup# 3, ID: PBS, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:13
Ch. 2 (phenol); Height = 6; Area = 126; Baseline = 3.1
The Determined Concentration was 0.001 mg/l

Inj.# 12 is Cup# 4, ID: DIST STD, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:14
Ch. 2 (phenol); Height = 678; Area = 35830; Baseline = 0.1
The Determined Concentration was 0.091 mg/l

Inj.# 13 is Cup# 5, ID: 915105-01, Dil: 99.55, Wt: 1.0000, Rep.#1 at 15:15

Ch. 2 (phenol); Height = 26; Area = 2068; Baseline = 8.4
The Determined Concentration was 0.004 mg/l = 0.4 mg/kg 0.5 mg/kg dry

Inj.# 14 is Cup# 6, ID: 915105-02, Dil: 99.21, Wt: 1.0000, Rep.#1 at 15:15
Ch. 2 (phenol); Height = 13; Area = 946; Baseline = 2.3
The Determined Concentration was 0.003 mg/l = 0.3 mg/kg 0.3 mg/kg dry

Inj.# 15 is Cup# 7, ID: 915105-03, Dil: 99.88, Wt: 1.0000, Rep.#1 at 15:16
Ch. 2 (phenol); Height = 13; Area = 1049; Baseline = 4.4
The Determined Concentration was 0.002 mg/l 0.2 mg/kg 0.2 mg/kg dry

Inj.# 16 is Cup# 8, ID: 915105-03D, Dil: 99.92, Wt: 1.0000, Rep.#1 at 15:17
Ch. 2 (phenol); Height = 13; Area = 1006; Baseline = 7.3
The Determined Concentration was 0.002 mg/l 0.2 mg/kg 0.2 mg/kg dry

Inj.# 17 is Cup# 9, ID: 915105-03S, Dil: 99.70, Wt: 1.0000, Rep.#1 at 15:17
Ch. 2 (phenol); Height = 1378; Area = 73262; Baseline = 6.2
The Determined Concentration was 0.182 mg/l

Inj.# 18 is Cup# 10, ID: 932090-01, Dil: 98.92, Wt: 1.0000, Rep.#1 at 15:18
Ch. 2 (phenol); Height = 96; Area = 6847; Baseline = 11.5
The Determined Concentration was 0.014 mg/l 1.4 mg/kg = 9.3 mg/kg dry

Inj.# 19 is Cup# 11, ID: 932090-02, Dil: 98.93, Wt: 1.0000, Rep.#1 at 15:19
Ch. 2 (phenol); Height = 289; Area = 16938; Baseline = 12.0
The Determined Concentration was 0.039 mg/l 3.9 mg/kg = 16.3 mg/kg dry

Inj.# 20 is Cup# 12, ID: 932090-03, Dil: 99.43, Wt: 1.0000, Rep.#1 at 15:19
Ch. 2 (phenol); Height = 53; Area = 4279; Baseline = 14.2
The Determined Concentration was 0.007 mg/l 0.7 mg/kg 1.8 mg/kg dry

Inj.# 21 is Cup# 13, ID: CCV1, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:20
Ch. 2 (phenol); Height = 763; Area = 41224; Baseline = 16.1
The Determined Concentration was 0.099 mg/l 99

Inj.# 22 is Cup# 14, ID: CCB1, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:21
Ch. 2 (phenol); Height = 16; Area = 729; Baseline = 10.3
The Determined Concentration was -0.001 mg/l

DEPEW VILLAGE
915105

NYSDEC

000020

NYSDEC SAMPLE NO.

EPA SAMPLE NO.

1

INORGANIC ANALYSES DATA SHEET

510501

Lab Name: ITAS_PITTSBURGH_____ Contract: C002165___

Lab Code: ITPA__ Case No.: SH989 SAS No.: _____ SDG No.: S910-C

Matrix (soil/water): SOIL_ Lab Sample ID: 915105-01_

Level (low/med): LOW__ Date Received: 10/31/89

% Solids: _81.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4780		*	P
7440-36-0	Antimony	2.9	U	N	P
7440-38-2	Arsenic	5.6			F
7440-39-3	Barium	86.6			P
7440-41-7	Beryllium	0.24	U		P
7440-43-9	Cadmium	1.0	B		P
7440-70-2	Calcium	53400		*	P
7440-47-3	Chromium	24.6			P
7440-48-4	Cobalt	7.1	B		P
7440-50-8	Copper	72.7		E*	P
7439-89-6	Iron	24100		*	P
7439-92-1	Lead	224			F
7439-95-4	Magnesium	5760		*	P
7439-96-5	Manganese	442			P
7439-97-6	Mercury	0.29			CV
7440-02-0	Nickel	16.4			P
7440-09-7	Potassium	982	B		P
7782-49-2	Selenium	0.49	U	WN	F
7440-22-4	Silver	0.99	B	N	P
7440-23-5	Sodium	129	B		P
7440-28-0	Thallium	0.49	U	W	F
7440-62-2	Vanadium	13.2			P
7440-66-6	Zinc	233		EN*	P

Color Before: BROWN____ Clarity Before: _____ Texture: FINE__

Color After: BROWN____ Clarity After: _____ Artifacts: YES___

Comments:

ARTIFACTS:__ROOTS,_WOOD,_BUGS_____

NYSDEC

NYSDEC SAMPLE NO.

[redacted]

510501

1

INORGANIC ANALYSES DATA SHEET

Lab Name: ITAS_PITTSBURGH Contract: 008165

Lab Code: ITPA Case No.: A0969 SAS No.: SDG No.: [illegible]

Matrix (soil/water): WATER Lab Sample ID: [illegible]

Level (low/med): LOW Date Received: [illegible]

% Solids: 0.0

μg/L

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M	EPTOX CRITERIA
7440-38-2	Arsenic	4.0	B		F	5000
7439-92-1	Lead	45.7			F	5000
7440-39-3	Barium	528			P	10000
7440-43-9	Cadmium	15.5			P	1000
7440-47-3	Chromium	45.6			P	5000
7439-97-6	Mercury	0.10	U		CV	200
7782-49-2	Selenium	2.0	J	WN	F	1000
7440-22-4	Silver	18.4		N	P	5000

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

NO WATER SAMPLES WERE TAKEN. THE ABOVE ARE RESULTS OF EP TOXICITY TESTS ON SOIL SAMPLE 510501

E.J. FERON

FORM I - IN

NYSDEC
Date: 11/18/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Case: SH989 SDG:8910D

E.P. Toxicity Leachate Analysis of Pesticides

Sample ID:	Lindane	Endrin	Methoxychlor	Toxaphene
		Concentration µg/L		
Blank 10/30/89	ND0.05	ND0.10	ND0.5	ND1.0
EP-PB 10/26/89	ND0.05	ND0.10	ND0.5	ND1.0
[redacted]				
915105-01	ND0.05	ND0.10	ND0.5	ND1.0
[redacted]				

Matrix Spike Percent Recovery

	Lindane	Endrin	Methoxychlor
	Percent Recovery		
915008A-02 MS	84%	106%	106%
915008A-02 MSD	86%	130%	107%

NYSDEC
Date: 11/18/89

IT ANALYTICAL SERVICES
PITTSBURGH, PA

Case: SH989 SDG:8910D

E.P. Toxicity Leachate Analysis of Herbicides

Sample ID:	2,4-D	2,4,5-TP (Silvex)
Blank 10/30/89	ND12	ND1.7
EP-PB 10/26/89	ND12	ND1.7
[redacted]		
915105-01	ND12	ND1.7
[redacted]		

Matrix Spike
Percent Recovery

	2,4-D	2,4,5-TP (Silvex)
Blank Spike 10/30/89	67%	61%
915008A-02 MSD	74%	62%

Dave Dunlop
4/12 731-8806

000357

---------- Raw Data Report ----------

Raw Data Contents of 8911010A.log
Method Name: phenol File: C:\Fialab\SiteData\phenol

Tray Ref: 8911010A, Tray ID: NYSDEC, Operator: PJ
There were 14 samples in this tray.

Inj.#1 was Std. A, Rep. #1, 0.500 mg/l at 15: 6
Ch. 2 (phenol); Height = 3795; Area = 202625; Baseline = 13.1

Inj.#2 was Std. B, Rep. #1, 0.200 mg/l at 15: 6
Ch. 2 (phenol); Height = 1528; Area = 82441; Baseline = 17.5

Inj.#3 was Std. C, Rep. #1, 0.100 mg/l at 15: 7
Ch. 2 (phenol); Height = 744; Area = 40791; Baseline = 15.2

Inj.#4 was Std. D, Rep. #1, 0.050 mg/l at 15: 8
Ch. 2 (phenol); Height = 358; Area = 20044; Baseline = 12.5

Inj.#5 was Std. E, Rep. #1, 0.025 mg/l at 15: 8
Ch. 2 (phenol); Height = 204; Area = 11860; Baseline = 5.4

Inj.#6 was Std. F, Rep. #1, 0.010 mg/l at 15: 9
Ch. 2 (phenol); Height = 66; Area = 4312; Baseline = 5.8

Inj.#7 was Std. G, Rep. #1, 0.005 mg/l at 15:10
Ch. 2 (phenol); Height = 33; Area = 2093; Baseline = 4.1

Inj.#8 was Std. H, Rep. #1, 0.000 mg/l at 15:10
Ch. 2 (phenol); Height = 9; Area = -847; Baseline = 0.8

Inj.# 9 is Cup# 1, ID: ICV, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:12
Ch. 2 (phenol); Height = 750; Area = 39404; Baseline = -2.3
The Determined Concentration was 0.101 mg/l

Inj.# 10 is Cup# 2, ID: ICB, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:13
Ch. 2 (phenol); Height = 6; Area = -987; Baseline = 0.1
The Determined Concentration was -0.000 mg/l

Inj.# 11 is Cup# 3, ID: PBS, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:13
Ch. 2 (phenol); Height = 6; Area = 126; Baseline = 3.1
The Determined Concentration was 0.001 mg/l

Inj.# 12 is Cup# 4, ID: DIST STD, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:14
Ch. 2 (phenol); Height = 678; Area = 35830; Baseline = 0.1
The Determined Concentration was 0.091 mg/l

Inj.# 13 is Cup# 5, ID: 915105-01, Dil: 99.55, Wt: 1.0000, Rep.#1 at 15:15

Ch. 2 (phenol); Height = 26; Area = 2068; Baseline = 8.4
The Determined Concentration was 0.004 mg/l = 0.4 mg/kg 0.5 mg/kg dry

Inj.# 14 is Cup# 6, ID: 915105-02, Dil: 99.21, Wt: 1.0000, Rep.#1 at 15:15
Ch. 2 (phenol); Height = 13; Area = 946; Baseline = 8.3
The Determined Concentration was 0.003 mg/l = 0.3 mg/kg 0.3 mg/kg dry

Inj.# 15 is Cup# 7, ID: 915105-03, Dil: 99.88, Wt: 1.0000, Rep.#1 at 15:16
Ch. 2 (phenol); Height = 13; Area = 1049; Baseline = 4.4
The Determined Concentration was 0.002 mg/l 0.2 mg/kg 0.2 mg/kg dry

Inj.# 16 is Cup# 8, ID: 915105-03D, Dil: 99.92, Wt: 1.0000, Rep.#1 at 15:17
Ch. 2 (phenol); Height = 13; Area = 1006; Baseline = 7.3
The Determined Concentration was 0.002 mg/l 0.2 mg/kg 0.2 mg/kg dry

Inj.# 17 is Cup# 9, ID: 915105-03S, Dil: 99.70, Wt: 1.0000, Rep.#1 at 15:17
Ch. 2 (phenol); Height = 1378; Area = 73262; Baseline = 6.2
The Determined Concentration was 0.182 mg/l

Inj.# 18 is Cup# 10, ID: 932090-01, Dil: 98.92, Wt: 1.0000, Rep.#1 at 15:18
Ch. 2 (phenol); Height = 96; Area = 6847; Baseline = 11.5
The Determined Concentration was 0.014 mg/l 1.4 mg/kg = 9.3 mg/kg dry

Inj.# 19 is Cup# 11, ID: 932090-02, Dil: 98.93, Wt: 1.0000, Rep.#1 at 15:19
Ch. 2 (phenol); Height = 289; Area = 16938; Baseline = 12.0
The Determined Concentration was 0.039 mg/l 3.9 mg/kg = 16.3 mg/kg dry

Inj.# 20 is Cup# 12, ID: 932090-03, Dil: 99.43, Wt: 1.0000, Rep.#1 at 15:19
Ch. 2 (phenol); Height = 53; Area = 4279; Baseline = 14.2
The Determined Concentration was 0.007 mg/l 0.7 mg/kg 1.8 mg/kg dry

Inj.# 21 is Cup# 13, ID: CCV1, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:20
Ch. 2 (phenol); Height = 763; Area = 41224; Baseline = 16.1
The Determined Concentration was 0.099 mg/l 9.9

Inj.# 22 is Cup# 14, ID: CCB1, Dil: 1.00, Wt: 1.0000, Rep.#1 at 15:21
Ch. 2 (phenol); Height = 16; Area = 729; Baseline = 10.3
The Determined Concentration was -0.001 mg/l