

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)

☒ Delist (justify below)

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: Anthony J. Bland 4/27/90

Reg. Haz. Waste Eng. Richard J. Bramonte Date: 4/19/90

R. Tramontano NYSDOH R. Tramontano Date: 9/18/90

R. Dana/DEE Richard H. Dana Date: 5/9/90

W. Demick/J. Swartwout/
D. Curtis W E Demick Date: 5/1/90

R. Marino R. Marino Date: 9/21/90

E. Barcomb E. Barcomb Date: 9/25/90

RECEIVED
MAY 18 1990
BUREAU OF ENVIRONMENTAL
EXPOSURE INVESTIGATION

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: Depew

COUNTY: Erie

ZIP:

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-
TYPE

Suspected-
QUANTITY (units)

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

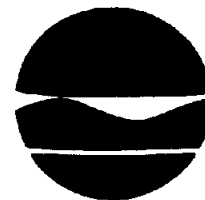
ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

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 *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

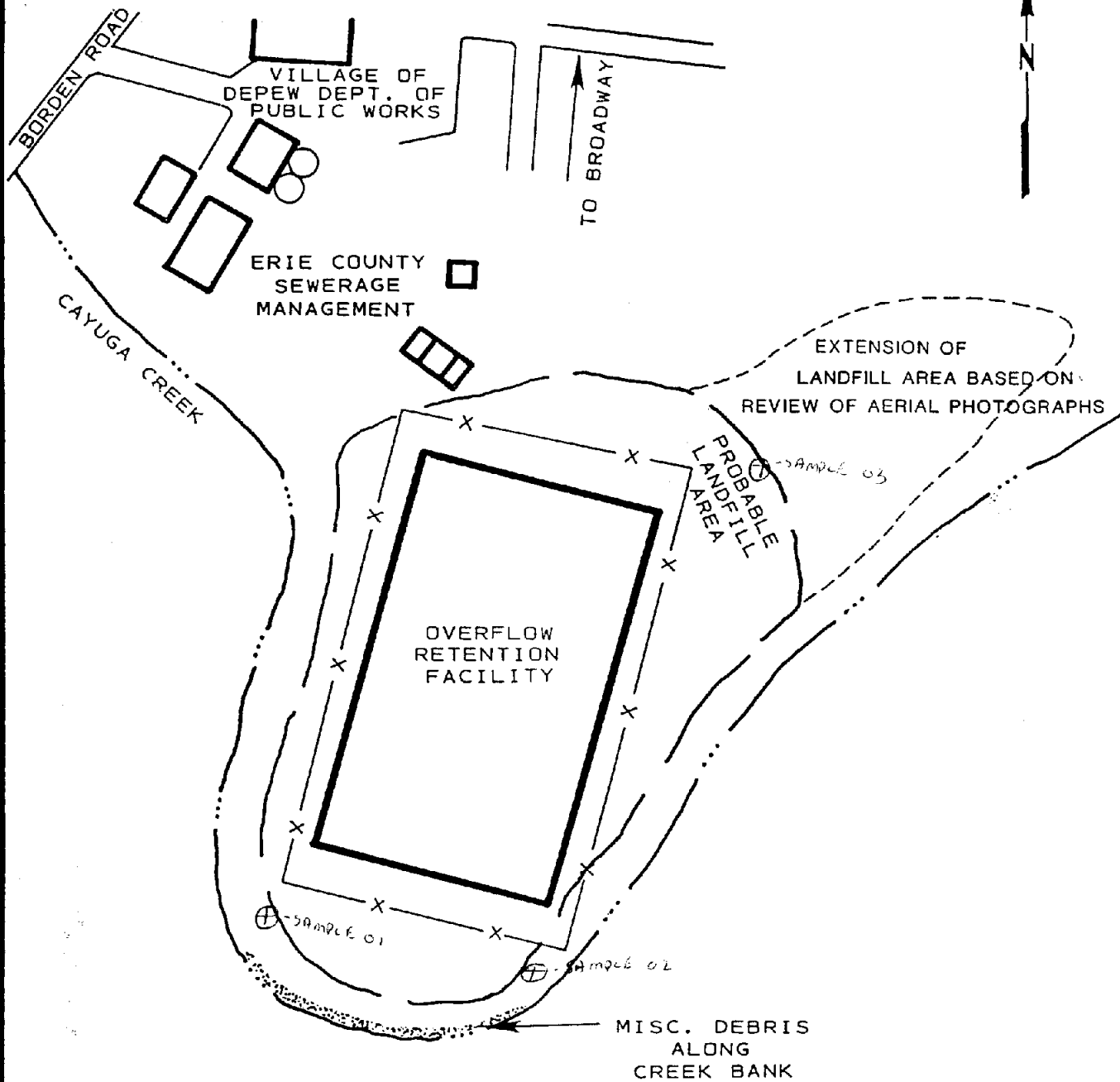
This report, prepared for the New York State Department of Environmental Conservation (NYSDEC) presents the results of the Phase I investigation for the Village of Depew Landfill (NYS Site Number 915105, no EPA Site Number given) located in the Village of Depew, Erie County, New York (see Figure I-1).

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).

10/18/89



NOT TO SCALE

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

NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION
PHASE I REPORT

PLOT PLAN
VILLAGE OF DEPEU

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.

MUD 11/6/90

Village of Depew - 915105

SH 9 8910 915105 2:00 PM 10/18/89

40°F WIND 10-15 MPH NE

OVERCAST 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 98910915105 - 2:00 PM 10/18/89

40°F WIND 10-15 MPH 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 + fine
gravel (brown) move to new location.

SW corner of ORF in golden rock

Sample from 6-12". Note metal

VILLAGE OF DEPEW

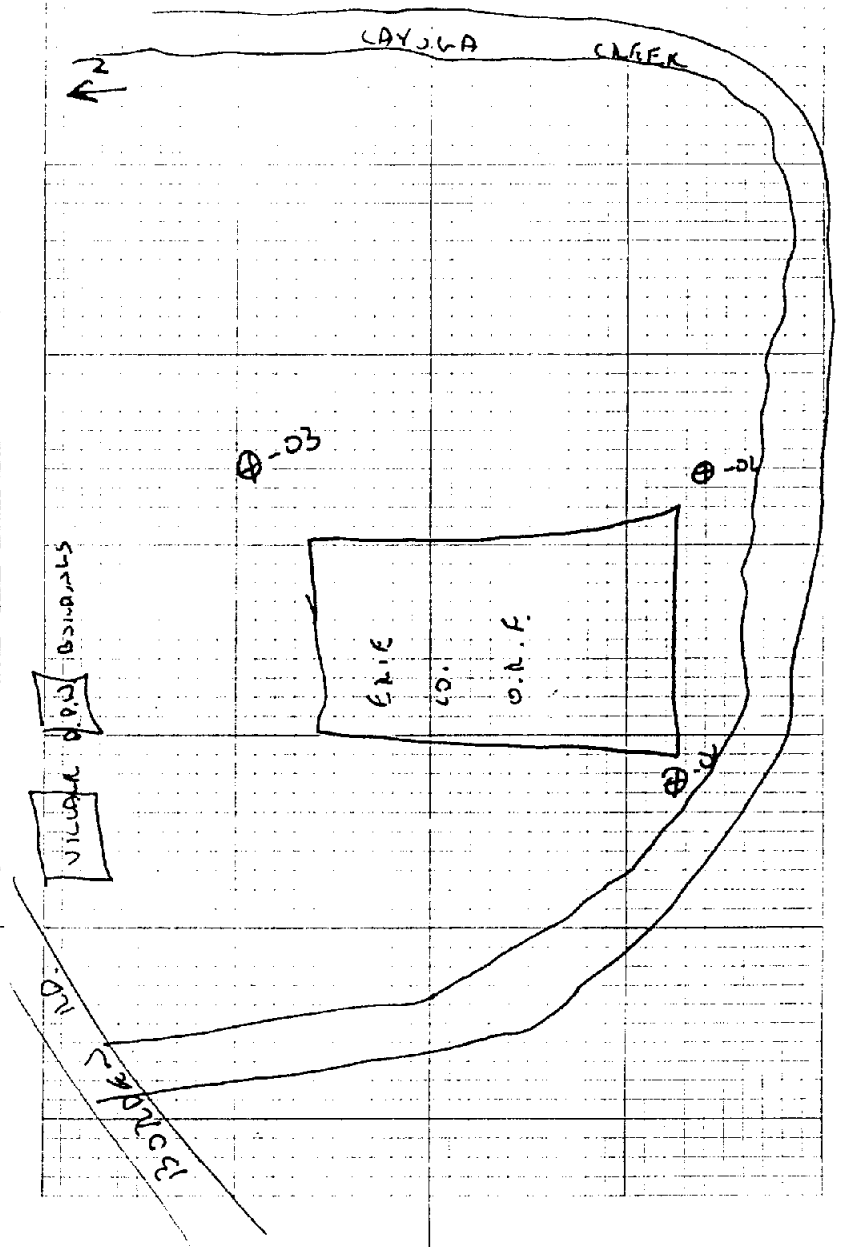
915105

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, + 7H2O

-02 SE corner of landfill 1/2 way
1515 down lift 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
($\approx 30'$) 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.



DEPEW VILLAGE

~~000021~~ 000022

915105

NYSDEC

NYSDEC SAMPLE NO.

1

~~EPA SAMPLE NO.~~

INORGANIC ANALYSES DATA SHEET

510503

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	Q	M
17429-90-5	Aluminum	6630	*	P
17440-36-0	Antimony	3.9	N	P
17440-28-2	Arsenic	3.4		F
17440-39-3	Barium	56.2		P
17440-41-7	Beryllium	1.3		P
17440-43-9	Cadmium	0.95	B	P
17440-70-2	Calcium	79300	*	P
17440-47-3	Chromium	24.9		P
17440-48-4	Cobalt	7.0	B	P
17440-50-8	Copper	35.0	E*	P
17439-89-6	Iron	14800	*	P
17439-92-1	Lead	118		F
17439-95-4	Magnesium	22200	*	P
17439-96-5	Manganese	396		P
17439-97-6	Mercury	0.08	B	CV
17440-02-0	Nickel	15.7		P
17440-09-7	Potassium	1130	B	P
17782-49-2	Selenium	0.46	U	N
17440-22-4	Silver	1.4	B	N
17440-23-5	Sodium	136	B	P
17440-28-0	Thallium	0.46	U	W
17440-62-2	Vanadium	20.0		P
17440-66-6	Zinc	114	EN*	P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: BROWN Clarity After: Artifacts: YES

Comments:

ARTIFACTS: ROOTS

NY99DEC

NYSDEC SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

510402

Flight Name: UFAS PITTSBURGH Contract: C002165

Lab Code: ITFA Case No.: SH789 BAS No.: SDG No.: 891: 7

Matrix (mg/l/water): WATER RESULTS OF Lab Sample ID: P15105-13

Level: low/med; LQM Date Received: 10/21/99

0.0 SAMPLE

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

[illegible]

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Contents:

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 $\mu\text{g/L}$				
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]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
915105-03	ND0.05	ND0.10	ND0.5	ND1.0
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

Matrix Spike Percent Recovery

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

000014

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]

[REDACTED]

[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
412 731-8806

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

000358

Dry Wgt
Keweenaw

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: <i>Don [illegible]</i>		TELEPHONE NUMBER: <i>518-457-0247</i>		REGION NO: <i>9</i>	
CONTRACT L: <i>TE</i>		COUNTY: <i>Putnam</i>		SAMPLING DATE: <i>10/18/89</i>	
SAMPLING POINT: <i>[illegible]</i>		OUTFALL NUMBER		CHECK IF SAMPLING IS PART OF INSPECTION <input type="checkbox"/>	
		SPDES NUMBER		FLOW MGD	
CASE NUMBER <i>549</i>	SDG NUMBER <i>8910</i>	SAMPLE NUMBER <i>915105-03</i>		CHECK FOR MS/MD <input type="checkbox"/> This Sample	TYPE OF SAMPLE: <input type="checkbox"/> Composite <input type="checkbox"/> Grab <input type="checkbox"/> Term <i>hrs</i>
SAMPLE MATRIX: <input type="checkbox"/> Air <input checked="" type="checkbox"/> Soil/Sediment <input type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Wastewater <input type="checkbox"/> Other (Specify) _____					
CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS					
PRIORITY POLLUTANTS (Water Part 136)—SPDES					
<input type="checkbox"/> 1. All (SPDES)—Includes 2-6 <input type="checkbox"/> 2. 13 PP Metals <input type="checkbox"/> 3. Volatiles—USEPA 624 (GC/MS) <input type="checkbox"/> 4. Acids Base/Neutrals (USEPA 625-GC/MS) <input type="checkbox"/> 5. Cyanide <input type="checkbox"/> 6. Pesticides/PCB's (USEPA 608-GC) <input type="checkbox"/> 7. Halogenated Volatiles (USEPA 601-GC) <input type="checkbox"/> 8. Aromatic Volatiles (USEPA 602-GC) <input type="checkbox"/> 9. BOD <input type="checkbox"/> 10. pH <input type="checkbox"/> 11. COD <input type="checkbox"/> 12. TSS <input type="checkbox"/> 13. Settleable Solids <input type="checkbox"/> 14. TKN <input type="checkbox"/> 15. Ammonia <input type="checkbox"/> 16. Nitrate/Nitrite <input type="checkbox"/> 17. Total Phosphorus <input type="checkbox"/> 18. Reactive Phosphorus <input type="checkbox"/> 19. Oil/Grease <input type="checkbox"/> 20. TOC <input type="checkbox"/> 21. Total Phenols <input type="checkbox"/> 22. Other _____ <input type="checkbox"/> 59. PCB's at 0.065 ug/L <input type="checkbox"/> 60. PCB's congener _____					
CONTRACT LABORATORY PROTOCOLS					
<input type="checkbox"/> 23. (ALL)—Water—Includes 24-28 <input type="checkbox"/> 24. Base/Neutral/Acid (B/N/A)—Water—GC-MS <input type="checkbox"/> 25. Volatile Organic Analysis VOA—Water—GC-MS <input type="checkbox"/> 26. Pesticides/PCB's—Water—GC <input type="checkbox"/> 27. Metals—Water <input type="checkbox"/> 28. Cyanide—Water <input type="checkbox"/> 29. (ALL)— Soil/Sediments—Includes 30-34 <input type="checkbox"/> 30. B/N/A—Soils/Sediment—GC-MS <input type="checkbox"/> 31. VOA—Soils/Sediments—GC-MS <input type="checkbox"/> 32. Pesticides/PCB's—Soils/Sediment—GC <input checked="" type="checkbox"/> 33. Metals—Soil/Sediment <input type="checkbox"/> 34. Cyanide—Soils/Sediment <input checked="" type="checkbox"/> 35. Other <i>Phenols - Soils/Sediments</i>					
HAZARDOUS WASTES/RCRA ANALYSIS SW-846					
<input checked="" type="checkbox"/> 36. EP Toxicity <input type="checkbox"/> 37. EP Toxicity (Metals Only) <input type="checkbox"/> 38. Ignitability <input type="checkbox"/> 39. Corrosivity <input type="checkbox"/> 40. VOA—(USEPA 8240) <input type="checkbox"/> 41. BNA—(USEPA 8270) <input type="checkbox"/> 42. Pesticides/PCB's (USEPA 8060) <input type="checkbox"/> 43. TCLP <input type="checkbox"/> 44. TCLP (Metals Only) <input type="checkbox"/> 45. Reactivity <input type="checkbox"/> 46. Dioxin (USEPA 8280) <input type="checkbox"/> 47. Appendix IX <input type="checkbox"/> 48. Other _____					
MUNICIPAL SOLID WASTE					
<input type="checkbox"/> 49. RSGB-01 <input type="checkbox"/> 50. RSGB-02 <input type="checkbox"/> 51. RSGB-03 <input type="checkbox"/> 52. RSRB-01 <input type="checkbox"/> 53. RSRB-02 <input type="checkbox"/> 54. RSRB-03 <input type="checkbox"/> 55. RSRB-04 <input type="checkbox"/> 56. RSRB-05 <input type="checkbox"/> 57. RSRB-06 <input type="checkbox"/> 58. RSRB-07 <input type="checkbox"/> 59. RSRB-08 <input type="checkbox"/> 60. RSRB-09 <input type="checkbox"/> 61. RSRB-10 <input type="checkbox"/> 62. RSRB-11 <input type="checkbox"/> 63. RSRB-12 <input type="checkbox"/> 64. RSRB-13 <input type="checkbox"/> 65. RSRB-14 <input type="checkbox"/> 66. RSRB-15 <input type="checkbox"/> 67. RSRB-16 <input type="checkbox"/> 68. RSRB-17 <input type="checkbox"/> 69. RSRB-18 <input type="checkbox"/> 70. RSRB-19 <input type="checkbox"/> 71. RSRB-20 <input type="checkbox"/> 72. RSRB-21 <input type="checkbox"/> 73. RSRB-22 <input type="checkbox"/> 74. RSRB-23 <input type="checkbox"/> 75. 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DEPEW VILLAGE

915105

NYSDEC

000021

NYSDEC SAMPLE NO.

1
INORGANIC ANALYSES DATA SHEET

Lab Name: ITAS_PITTSBURGH

Contract: C002165

510502

915105-2

Lab Code: ITFA

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	CI	Q	IM
17429-90-5	Aluminum	3240		*	P
17440-36-0	Antimony	7.7	B	N	P
17440-38-2	Arsenic	3.7			F
17440-39-3	Barium	44.8			P
17440-41-7	Beryllium	1.1	B		P
17440-43-9	Cadmium	4.0			P
17440-70-2	Calcium	122000		*	P
17440-47-3	Chromium	32.6			P
17440-48-4	Cobalt	6.0	B		P
17440-50-8	Copper	561		E*	P
17439-89-6	Iron	21000		*	P
17439-92-1	Lead	276		S	F
17439-95-4	Magnesium	25500		*	P
17439-96-5	Manganese	403			P
17439-97-6	Mercury	0.31			CV
17440-02-0	Nickel	17.4			P
17440-09-7	Potassium	536	B		P
17782-49-2	Selenium	0.44	U	WN	F
17440-22-4	Silver	2.4		N	P
17440-23-5	Sodium	157	B		P
17440-28-0	Thallium	0.44	U	W	F
17440-62-2	Vanadium	13.6			P
17440-66-6	Zinc	193		EN*	P

Color Before: BROWN

Clarity Before:

Texture: FINE

Color After: BROWN

Clarity After:

Artifacts: YES

Comments:

ARTIFACTS: WOOD

NM5DEC

NYSDEC SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

Lab Name: 7749 PITTSBURGH Contract: 000216E

510503
915105-03

Lab Code: ITPA Case No. : SH989 SSB No.: SDR No.: 9510-0

Matrix: Soil/Water: WATER RESULTS OF Lab Sample ID: 915105-2

Page# (100/100) LCU EP TOXICITY TEST ON Date Recd/Ver# 10/01/92

9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 841. 842. 843. 844. 845. 8

RESULTS OF EP TOXICITY TEST ON SOIL SAMPLE

Concentration Units (ug/L or ng/kg dry weight): **UG/L**[illegible]

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Contents:

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 $\mu\text{g/L}$ | | | | |
| 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 |

915105-01 [REDACTED] ND0.05 ND0.10 ND0.5 ND1.0

[REDACTED] ND0.05 ND0.10 ND0.5 ND1.0

915105-02 [REDACTED] ND0.05 ND0.10 ND0.5 ND1.0

[REDACTED] ND0.05 ND0.10 ND0.5 ND1.0

915105-02 ND0.05 ND0.10 ND0.5 ND1.0

[REDACTED] ND0.05 ND0.10 ND0.5 ND1.0



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

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]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
915105-02

ND12

ND1.7
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[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

000357

412 731-8806

----- 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 | |
|---|------------------------------------|--|

000358

Wright
K. even

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

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.: 8910-C

Matrix (soil/water): SOIL_____ Lab Sample ID: 915105-01_____

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

% Solids: 81.0

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

| CAS No. | Analyte | Concentration | CI | Q | M | Typical Background |
|------------|-----------|---------------|----|-----|----|--------------------|
| 17429-90-5 | Aluminum | 4780 | | * | P | 3000 |
| 17440-36-0 | Antimony | 2.9 | UI | N | P | |
| 17440-38-2 | Arsenic | 5.6 | | | F | 20 |
| 17440-39-3 | Barium | 86.6 | | | P | 500 |
| 17440-41-7 | Beryllium | 0.24 | UI | | P | 1 |
| 17440-43-9 | Cadmium | 1.0 | B | | P | 2 |
| 17440-70-2 | Calcium | 53400 | | * | P | 5000 |
| 17440-47-3 | Chromium | 24.6 | | | P | 10 |
| 17440-48-4 | Cobalt | 7.1 | B | | P | 20 |
| 17440-50-8 | Copper | 72.7 | | E* | P | 10 |
| 17439-89-6 | Iron | 24100 | | * | P | 1000 |
| 17439-92-1 | Lead | 224 | | | F | 10 |
| 17439-95-4 | Magnesium | 5760 | | * | P | 1000 |
| 17439-96-5 | Manganese | 442 | | | P | 100 |
| 17439-97-6 | Mercury | 0.29 | | | CV | 1 |
| 17440-02-0 | Nickel | 16.4 | | | P | 10 |
| 17440-09-7 | Potassium | 882 | B | | P | 100 |
| 17782-49-2 | Selenium | 0.49 | UI | WN | F | |
| 17440-22-4 | Silver | 0.99 | B | N | P | 10 |
| 17440-23-5 | Sodium | 129 | B | | P | 100 |
| 17440-28-0 | Thallium | 0.49 | UI | W | F | |
| 17440-62-2 | Vanadium | 13.2 | | | P | 10 |
| 17440-66-6 | Zinc | 233 | | EN* | P | 100 |
| | | | | | | |
| | | | | | | |

Color Before: BROWN_____ Clarity Before: _____ Texture: FINE_____

Color After: BROWN_____ Clarity After: _____ Artifacts: YES_____

Comments:

ARTIFACTS: __ROOTS, __WOOD, __BUGS_____

NYSDEC

NYSDEC SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

Lab Ref: IFX PITTSBURGH

0976756 - 009145

5. CONCLUSIONS

1. *Chlorophyll a* and *Chlorophyll b* were determined by the method of Lichtenthaler and Whistler (1973). The total chlorophyll content was determined by the method of Arar and Cook (1980).

Case No. : A-1957

9A9 110 - 4

[illegible]

Page 10 (cont'd) (Page 11) (144777)

Lab Report 09: 94510701

"Lowest" (Low-Peak) : LOW

Table 1. *Salmonella* serotypes and phage types isolated from the 1990-1991 and 1991-1992 seasons in the United States

$\frac{1}{2} \times 10^{-10} \text{ m}^2$

$\mu g/L$

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

EPTOX
CRITERIA

[illegible]

Color Before: COLORLESS

Clarity Before: CLEAR

Test Results

Color After: COLORLESS

Clarity After: CLEAR

Appendix 1: *Continued*

Comments:

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

E. J. FERON

FORM I - IN

7133

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 $\mu\text{g/L}$ | | | | |
| 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 |

~~915105-01~~ ~~ND0.05~~ ~~ND0.10~~ ~~ND0.5~~ ~~ND1.0~~
~~915105-02~~ ~~ND0.05~~ ~~ND0.10~~ ~~ND0.5~~ ~~ND1.0~~
~~915105-03~~ ~~ND0.05~~ ~~ND0.10~~ ~~ND0.5~~ ~~ND1.0~~

~~915105-04~~ ~~ND0.05~~ ~~ND0.10~~ ~~ND0.5~~ ~~ND1.0~~
~~915105-05~~ ~~ND0.05~~ ~~ND0.10~~ ~~ND0.5~~ ~~ND1.0~~
~~915105-06~~ ~~ND0.05~~ ~~ND0.10~~ ~~ND0.5~~ ~~ND1.0~~

915105-01 ND0.05 ND0.10 ND0.5 ND1.0

~~915105-07~~ ~~ND0.05~~ ~~ND0.10~~ ~~ND0.5~~ ~~ND1.0~~
~~915105-08~~ ~~ND0.05~~ ~~ND0.10~~ ~~ND0.5~~ ~~ND1.0~~
~~915105-09~~ ~~ND0.05~~ ~~ND0.10~~ ~~ND0.5~~ ~~ND1.0~~

~~915105-10~~ ~~ND0.05~~ ~~ND0.10~~ ~~ND0.5~~ ~~ND1.0~~

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

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]
[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

915105-01 ND12 ND1.7

[REDACTED]
[REDACTED]

[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

000358

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 = 3.3
 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