

US EPA ARCHIVE DOCUMENT



SDMS DocID 553622

**REMEDIAL ACTION COMPLETION REPORT
DEBRIS, SLUDGE, AND MIXED-CONTAMINANT SOIL REMOVAL**

Appendices A-I

**Wildwood Property
Wells G & H Superfund Site
Woburn, MA**

Superfund Records Center
SITE: Wells G & H
BREAK: 7.6
OTHER: 553622

Prepared For:

BEATRICE COMPANY

Prepared By:

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RETEC Project No.: 3-0947-730

MARCH 1995



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APPENDIX A
DEBRIS INVESTIGATION

This appendix was originally presented in the Predesign Investigation Report (RETEC, 1993)
Section 4.2.

4.2 DEBRIS INVESTIGATION

In order to determine disposal plans for the debris (e.g., recycling, treatment or disposal), more information was required regarding the location, extent, and estimated volume of each type of material; chemical characterization of any materials associated with drum carcasses; and classification of debris into an appropriate number of categories based on likely disposal locations. Debris found on site included rusted barrel remnants, scrap metal, scrap wood, waste construction materials, tires, cans/containers, and refuse. For the inventory, seven categories were defined to generally classify site debris as follows: metal, wood, construction debris, refuse, debris soil, liquid waste, and intact drums.

The debris investigation was initiated by establishing a site grid, and conducting an inventory of the debris in each grid. Debris piles were investigated individually by excavating trenches across them with a backhoe. An inventory of all drum carcasses was also conducted. The southern portion of the Wildwood Property, adjacent to an auto parts yard, was investigated separately. Here, the site grid was modified and an inventory of the area was conducted including the excavation of several test pits.

4.2.1 Grid Inventory

The first task of the debris investigation was dividing the site into a grid consisting of 100-foot by 100-foot cells to systematically investigate the site and accurately reference debris locations (Figure 4-3). A baseline was surveyed along the center of the site access road, and the cell corners were located by surveying and taping from the baseline. To verify that cell corners were located accurately, the diagonal distance was measured on several cells. Individual grid corners were marked with two wooden stakes painted yellow; one permanent stake was driven flush with the ground, and a second tall stake was installed to facilitate locating the flush stake in wooded areas. Dimensions of cells bordering wetlands were altered such that all cell boundaries were on dry land.

After the site grid was surveyed, each grid cell was inventoried for debris contents. Most cells were subdivided into approximately located quarters to facilitate traversing dense vegetation and locating debris more accurately within a cell. Each cell was traversed from north to south or east to west in parallel passes approximately six to ten feet apart. The ground along the traverse was visually inspected for debris. Debris was classified within one of seven different categories (metal, construction debris, wood, refuse, debris soil, liquid waste, or intact drums) as outlined

in the PDWP.

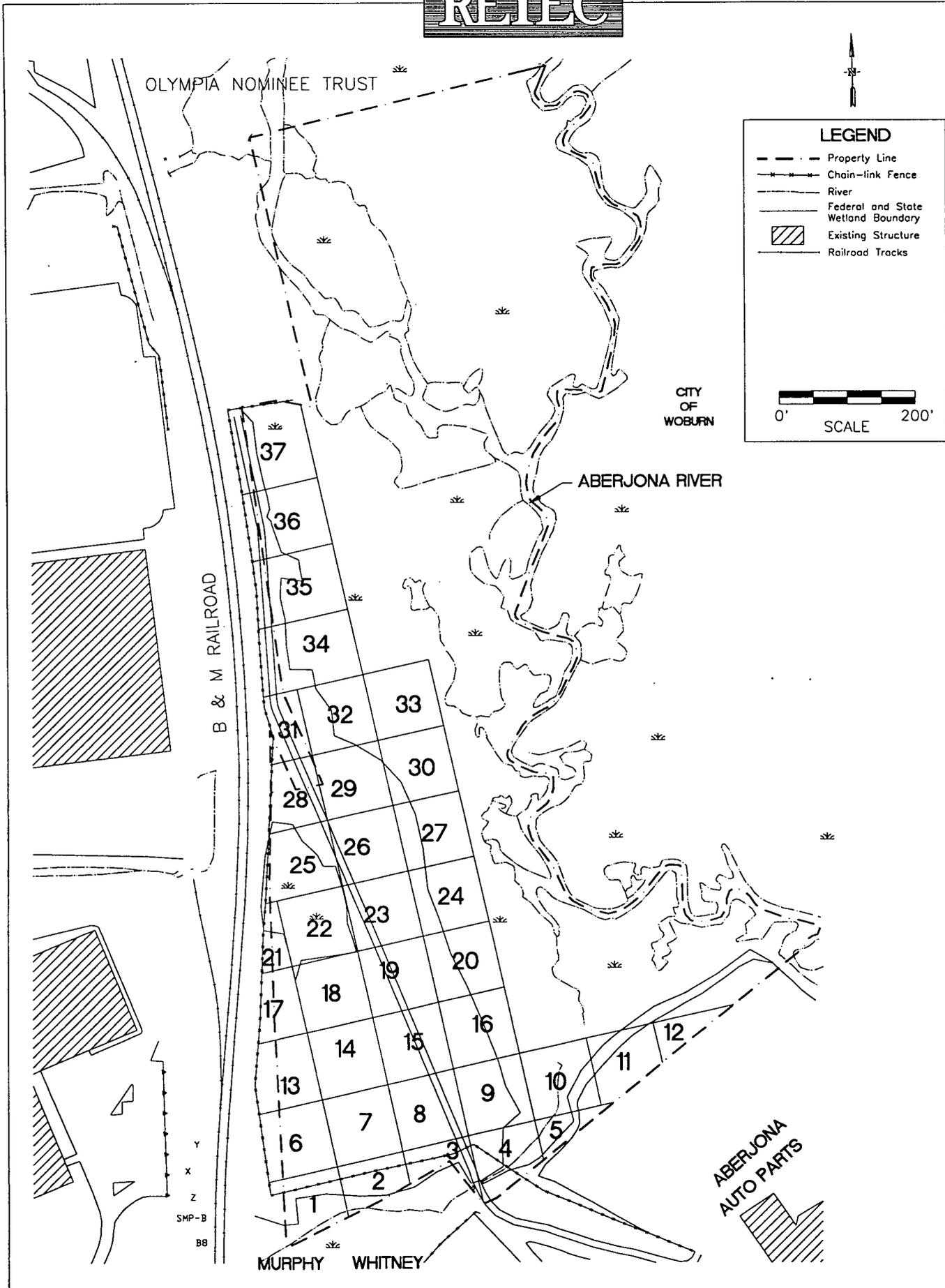
After the cell debris inventory was completed, soils beneath the vegetative mat were inspected at ten locations within each cell to locate any unidentified sludge or debris. The soil inspection consisted of digging a hole 1 to 1.5 feet deep, monitoring the excavated soil with a PID, and describing the soil. The hole was then backfilled and marked with a yellow flag. The yellow flags, approximately one foot high, were labeled with the cell number and soil inspection number, e.g. "23-1" denoted Cell 23, soil inspection location number 1. The approximate flag locations were sketched with the debris pile location sketches in field note books. Fewer than ten soil inspections were conducted in smaller cells, such as those cells adjacent to wetlands, or in those cells that contained mixed-contaminated soils as these areas are to be excavated as part of the soil remedy for the site.

4.2.2 Debris Piles

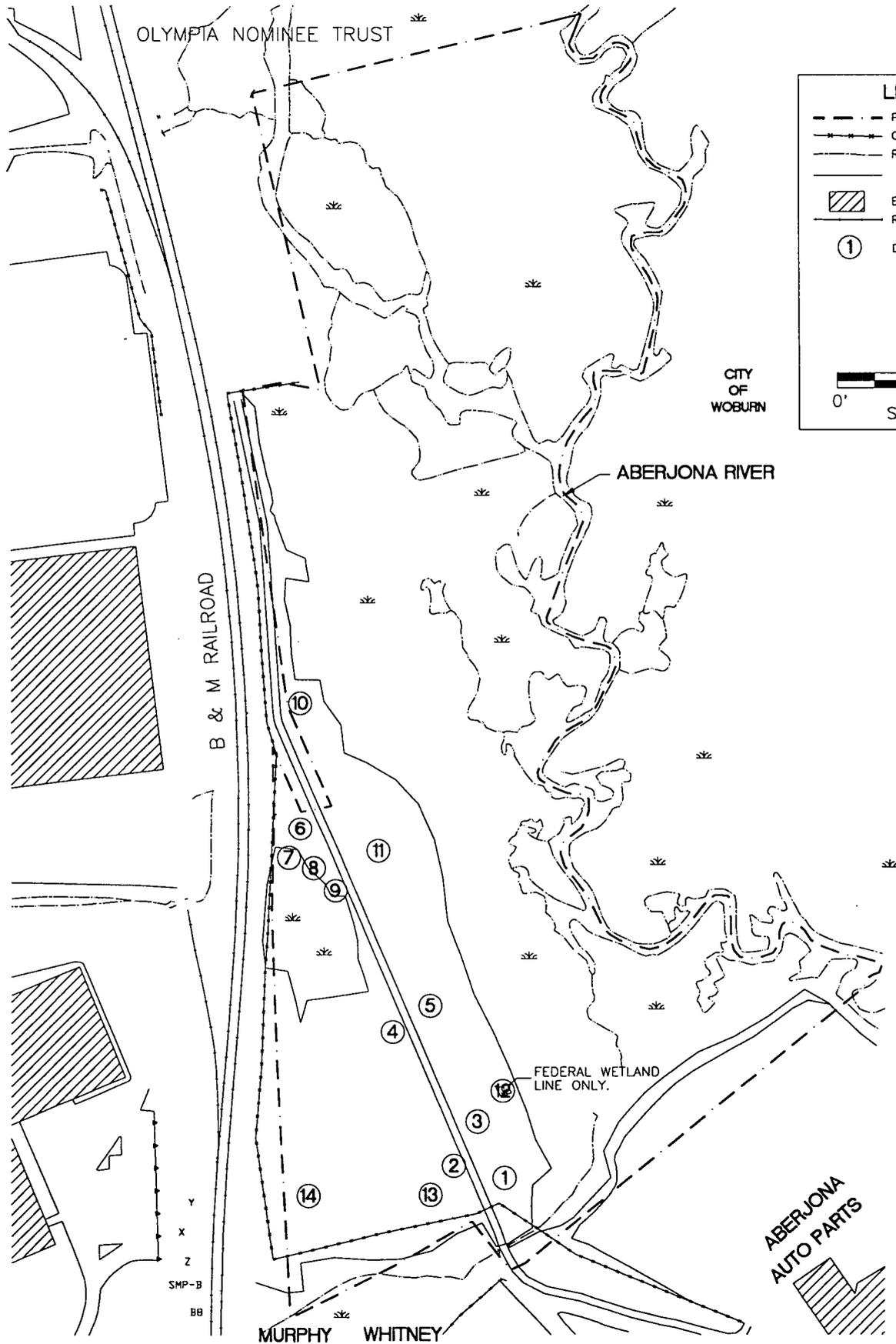
A second phase of work involved recording a detailed inventory of 13 piles of debris to determine if any drums or other debris of concern were buried within the piles, and to more thoroughly describe their contents. Piles of debris were identified from the cell inventories described above, and debris piles were assigned an order in which to be investigated. The locations of the debris piles are presented in Figure 4-4. Exploratory test pits were dug into several of the debris piles with a small excavator. Several pits were also dug adjacent to the piles to determine the elevation of natural grade and to describe surface soils. The field engineer logged the test pit contents and monitored the area with a PID or flame ionization detector (FID). After the test pits were completed, the length, height, and width of each debris pile was measured and located by reference to the site surveying baseline.

4.2.3 Drum Carcasses

Drum carcasses located throughout the site were examined for labels and structural condition. No intact drums were observed during the debris investigation. Individual drums were identified with a number painted on each carcass, measured, and photographed. The identification number indicated the grid cell number and drum number within the cell. For example, "25-3" denoted Cell 25, drum number 3.



SITE GRID



DEBRIS PILE LOCATIONS

4.2.4 Area Adjacent to the Auto Yard

The southeastern edge of the Wildwood Property presently used by the Aberjona Auto Parts business was also included in the debris inventory. This area was divided into an eastern and a western parcel. The area was photographed and debris volumes were estimated by general category. Several test pits were excavated on the portion of the auto yard not covered by automobiles, tires, and other car parts.

4.2.5 Results of Debris Grid Inventory

Varying volumes of debris were observed in many locations of the Wildwood Property. Debris was encountered on 25 of the 37 grids. A summary of debris observed during the grid inventory is presented in Table 4-2.

Wood comprised the largest volume of debris and included lumber, timbers, shingles, pallets, railroad ties, a set of stair remains, and miscellaneous marker stakes. The materials that were classified as metal were items solely of metal that could be scrapped and potentially recycled. Some of the items found on the site included empty drum carcasses and drum rings, window and door frames, pipes, sheet-metal, buckets and pails, license plates, and miscellaneous car remains and parts. None of these materials screened with a PID indicated VOCs above background levels.

The items separated into construction debris included concrete, bricks, plaster, and any heating and electrical parts. The site contained small amounts of refuse scattered all over the site. Refuse included items such as plastic materials, soda and beer cans, paper products, rubber products, leather, textiles, tires, and glass. Debris soil was primarily contained within the debris piles throughout the site.

4.2.6 Soil Inspections

At ten locations in each grid cell, shallow hand excavations were conducted to characterize soil and locate unidentified sludges and debris. The soils observed in these shallow hand excavations generally consisted of sand and gravel with varying amounts of humic material. The percentage of gravels and coarser-grained deposits were highest along the western border of the site, particularly in the southern and central portions of the Wildwood Property at slightly higher elevations than the rest of the property. The concentration of humic material increased with

Table 4-2
Debris Inventory
 Wildwood Property
 Wells G & H Site

Grid Cell #	Volume of Material (yd3)				
	Wood	Metal	Construction Debris	Refuse	Soil
1	—	—	—	—	—
2	—	—	—	—	—
3	9.0	2.5	10.0	1.0	5.0
4	—	—	—	—	—
5	—	—	—	—	—
6	0.5	0.3	0.3	0.1	—
7	—	0.5	0.5	0.1	—
8	25.0	3.0	1.5	1.5	10.0
9	21.0	1.5	6.0	1.5	7.0
10	—	—	—	—	—
11	—	—	—	—	—
12	—	—	—	—	—
13	—	—	—	—	—
14	—	3.0	3.0	—	—
15	2.0	1.0	—	0.5	—
16	4.0	1.0	—	0.5	—
17	—	—	—	—	—
18	0.3	1.0	1.0	—	—
19	18	6.0	6.0	3.0	27.0
20	—	—	—	—	—
21	1.0	2.0	1.0	—	—
22	1.0	1.0	1.0	12.0	—
23	0.5	0.5	0.5	—	—
24	—	—	—	—	—
25	3.0	5.0	1.5	0.5	2.0
26	5.0	3.0	1.0	—	3.0
27	—	—	—	—	—
28	8.0	3.0	1.0	1.0	10.0
29	—	1.0	1.0	1.0	—
30	—	—	—	—	—
31	1.0	4.0	1.0	1.0	—
32	5.0	1.0	3.0	—	—
33	—	—	—	—	—
34	2.0	2.0	1.0	—	—
35	3.0	2.0	—	0.5	—
36	1.0	—	—	—	—
37	1.0	—	—	—	—
TOTALS	111.3	44.0	40.3	24.2	67.0

proximity to the wetland of the Aberjona River.

Soils removed from each of the hand excavations were screened with a PID. Concentrations of VOCs were found to be at background concentrations with ten exceptions. Each of the ten soil inspections with PID screening results above background concentrations were within areas of VOC-impacted soils or in the vicinity of sludge locations. The soil at Location 4-4 (grid cell 4, excavation 4) showed concentrations of 2.1 ppm. The PID measured 4.6 ppm from soils removed from Location 9-5. Grid 14 had two excavations with PID readings above background concentrations, Location 14-7 at 2.0 ppm and Location 14-10 at 20 ppm. Grids 15, 32, and 34 had one location each with PID readings above background concentrations, Location 15-4 with 2.2 ppm, Location 32-2 with 1.0 ppm, and Location 34-3 with 1.6 ppm. Grid 35 had three locations with PID readings above background. Location 35-1 showed concentrations of 1.6 ppm, Location 35-3 showed concentrations of 7.2 ppm, and Location 35-4, which was excavated into a sludge identified during the RI (SL-10), showed a concentration of 15 ppm.

4.2.7 Debris Piles

In addition to small volumes of debris scattered about the site, 13 debris piles were investigated during the inventory. The debris piles consisted primarily of soil, wood and construction debris with lesser volumes of other debris types. Debris piles with larger proportions of soil often appeared to be built up by a bulldozer. Other debris piles contained less soil, and appeared to have been piles left after emptying a truck. The largest debris pile was located in grid 28 (debris pile 6), which contained auto parts, sheet metal, wood timbers, drum carcasses, tires, shingles, and numerous other types of construction debris. In grid 16, a small excavation was investigated that consisted primarily of wooden timbers (debris pile 12). A summary of observations made during the debris pile investigation is presented in Table 4-3.

4.2.8 Drum Carcasses

Approximately 47 drum carcasses in ten grids were observed during the debris investigation. The drums carcasses were found in conditions ranging from moderately rusted and weathered to completely broken apart. No intact drums were observed during the debris investigation. In most cases, the drums appeared empty with the exception of fallen leaves and rainwater collected in the bottoms. A few drums were found to contain some debris or had noticeable quantities of residues in the bottoms and on the sides.

Table 4-3
Debris Pile Inventory
 Wildwood Property
 Wells G & H Superfund Site

Pile #	Cell #	Dimensions	Description
1	8/9	5' x 15' x 3'	60% wood (burned timbers, plywood), 15% soil (gravel), 15% construction debris (concrete block, concrete filled pipe) 5% metal (wheel rims, cable, drum lids), 5% refuse
2	8	6' x 6' x 3'	80% wood (burned timbers), 10% metal (piping), 5% construction debris (asphalt, rubber, plastic)
3	8	10' x 10' x 4'	90% wood (burned timbers and smaller boards), 5% metal (drum lids), 5% construction debris (tires, plastic)
4	19	50' x 8' x 2'	50% soil (gravel), 30% wood (large timbers), 15% construction debris (metal and concrete), 5% refuse
5	19	50' x 6' x 2.5'	50% soil (gravel), 25% construction debris (concrete, tires, drum lids), 20% wood (burned timbers), 5% refuse
6	28	23' x 23' x 2'	30% metal (drum carcasses and sheet metal), 30% wood timbers, 20% soil (mostly gravel), 5% construction debris (tires, shingles), 5% refuse (plastic, cans, and bottles)
7	28	15' x 4' x 1.5'	50% soil, 50% concrete filled pipe
8	25	20' x 15' x 1'	50% metal, 40% wood, 3% rubbish, 2% construction debris
9	25	10' x 2' x 1'	50% wood, 40% metal, 10% refuse
10	31-32	20' x 35' x 3.5'	90% soil, 5% drum carcasses, 5% refuse
11	26	10' x 2' x 1'	50% wood (timbers), 25% metal (piping), 25% soil
12	16	14' x 14' x 3'	excavation filled with 95% wood (timbers), 5% refuse (ladder, plastic toy, glass)
13	26	6' x 6' x 2.5'	85% gravel, 10% metal (sheeting, refrigerator parts), 5% refuse

The largest collection of drum remnants were observed in Grid 28, where 16 drums were counted. Contents of these drum remnants included leaves, water, plastic, and debris. One drum appeared to contain a yellow powder, similar to the yellow material observed during the supplemental sludge investigation. A summary of observations made during inspection of drum carcasses is presented in Table 4-4.

Portions of four drums were observed within a debris pile along the access road adjacent to the auto parts yard. Only a small portion of these drums were visible, with the remainder of the drum buried within the debris pile. These drums will be further investigated as the debris pile is dismantled.

4.2.9 Area Abutting the Auto Yard

The grid system along the portion of the Wildwood Property abutting the Aberjona Auto Parts property was modified to facilitate the debris inventory in this location. This area was divided into western and eastern halves.

The western parcel contained a large tire pile approximately ten to fifteen feet high located along the Aberjona Auto Parts property line. The pile was approximately 60 feet long and 25 feet wide. Metal debris was also present in this parcel. Adjacent to the tire pile was a dumpster containing car parts, containers, and other miscellaneous debris. Approximately 20 cubic yards of wood and 20 cubic yards of metal debris were also scattered around the area.

Debris in the eastern parcel consisted primarily of old automobiles. Approximately 20 vehicles were present on the portion of the Aberjona Auto Parts lot owned by Wildwood Conservation Trust. This lot was being actively operated by the auto parts shop as a storage lot at the time of the debris inventory. Also present on this portion of property were approximately five cubic yards of tires, three cubic yards of metal debris other than the automobiles, and approximately two cubic yards of refuse.

Two test pits were excavated in these grids. The first test pit excavated was located on a mound approximately two feet above the rest of the property, 92 feet west of monitoring well BSSW-16. The test pit was three feet square and approximately 2.5 feet deep. A number of items were found mixed with the soil excavated from the test pit. These items included an automobile bumper, gas tank, hub cap, wheels, automobile chrome trim, brake drums, hoses, rope, and waste wood. There were no readings above background on a PID during the excavation. All test pits

were backfilled with the excavated material.

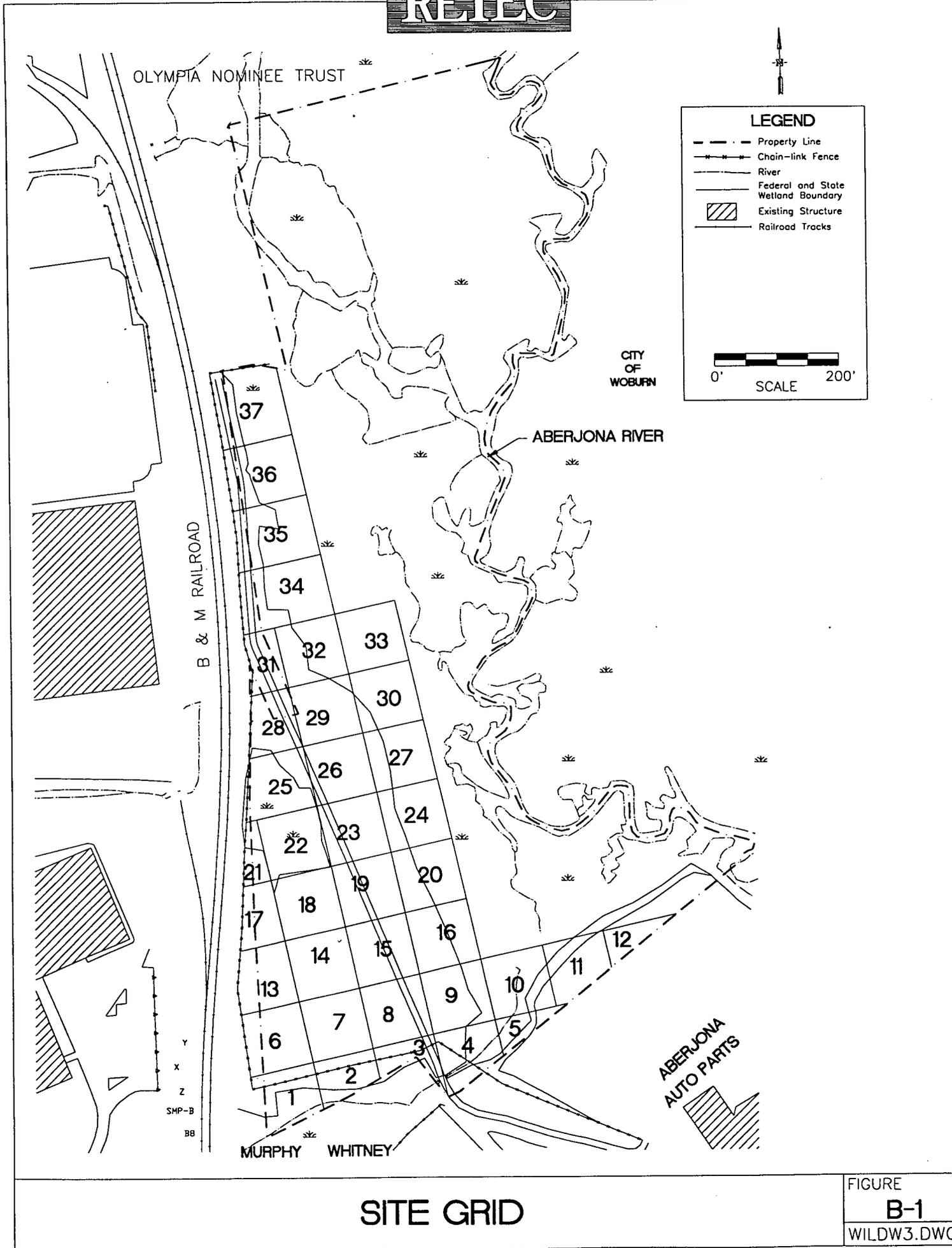
A second test pit was excavated 50 feet southwest of the S77 well cluster at the northeast corner of the auto parts yard. This test pit was six feet long, three feet wide, and two feet deep. The soil was a brown, medium to coarse sand, with fine, medium, and coarse gravel, and had mixed cobbles throughout. The soil appeared to be clean fill and did not look impacted by Aberjona Auto Parts operations. No readings above background levels were recorded with the PID.

Table 4-4
Drum Inventory
 Wildwood Property
 Wells G & H Superfund Site

Grid Cell #	Drum Labeled	PID/OVA (ppm)	Description
3	3-1	0.2	rusted, crushed, contained plastic debris
	3-2	0.4	crushed
4	4-1	0.3	rusted open
	4-2	0.3	mostly deteriorated
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
16	16-1	NM	1/2 deteriorated, 1/4 full of water
25	25-1	0.0	metal, rusted, open, 10-gal cardboard container within
	25-2	0.0	crushed flat, 1/3 deteriorated; contained soil, plastic, glass, debris
	25-3	0.0	rusted open; 1/2 filled w/water, leaves, rubbery brown sludge
	25-4	0.0	mostly intact, bung open, contents unknown
	25-5	0.0	drum w/ plastic liner, mostly intact, contained brown sludge
26	26-1	NM	open top, 1/3 full, glass, rubber hose, black sludge
	26-2	NM	open top, 1/3 full, glass, black sludge
28	28-1	0.0	rusted open; contained leaves, soil, sludge, 1/4 full
	28-2	6.0	30 gal, top rusted off, contents unknown
	28-3	0.8	rusted, crushed and full of plastic sheeting
	28-4	0.0	open top, rusted open, crushed; contains leaves
	28-5	0.0	open top, 1/2 full of leaves, mixed w/ plastic
	28-6	5.0	2/3 buried, largely deteriorated, surrounded by tar-like sludge
	28-7	0.0	open at bung, contents unknown
	28-8	7.0	badly rusted, 1/3 full yellow-brown powder
	28-9	0.0	open at bung, contents unknown
	28-10	0.0	open at bung, contents unknown
	28-11	0.0	open at bung, bulged middle
	28-12	0.0	open at bung
	28-13	3.0	rusted open; 1/4 full of yellow powder
	28-14	0.0	open at side bung, bulged, yellow powder
	28-15	NM	rusted through, yellow powder
	28-16	0.0	crushed, open on top, 1/4 full of sludge, grease, gloves
31	31-1	0.0	crushed, largely deteriorated, brown soil, sludge, 1/4 full
	31-2	0.2	bung holes open, 1/8 full of unknown liquid
	31-3	0.0	open top, side rusted; empty
	31-4	0.0	open top, contains liquid, hose, and soil
	31-5	0.0	rusted open, open top; contains soil & organic matter
32	32-1	1.0	bulging, rusted open; no contents
34	34-1	0.0	rusted, split in half
	34-2	0.8	open top, half crushed
	34-3	0.0	open top; 2/3 full solid debris, rags, plastic, soil
	34-4	0.0	1/2 remanent; contains leaves, soda cans
	34-5	0.0	bottom rusted off, partially full of leaves & dirt
35	35-1	0.2	open top, crushed
	35-2	0.0	closed top, rusted open, no bungs

APPENDIX B

DRUM RESIDUES CHARACTERIZATION



SITE GRID

TABLE B-1

Drum Inventory
Wildwood Property
Wells G & H Superfund Site

Grid Cell #	Drum Labeled	PID/OVA (ppm)	Description
3	3-1	0.2	rusted, crushed, contained plastic debris
	3-2	0.4	crushed
4	4-1	0.3	rusted open
	4-2	0.3	mostly deteriorated
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
16	16-1	NM	1/2 deteriorated, 1/4 full of water
25	25-1	0.0	metal, rusted, open, 10-gal cardboard container within
	25-2	0.0	crushed flat, 1/3 deteriorated; contained soil, plastic, glass, debris
	25-3	0.0	rusted open; 1/2 filled w/water, leaves, rubbery brown sludge
	25-4	0.0	mostly intact, bung open, contents unknown
	25-5	0.0	drum w/ plastic liner, mostly intact, contained brown sludge
26	26-1	NM	open top, 1/3 full, glass, rubber hose, black sludge
	26-2	NM	open top, 1/3 full, glass, black sludge
28	28-1	0.0	rusted open; contained leaves, soil, sludge, 1/4 full
	28-2	6.0	30 gal, top rusted off, contents unknown
	28-3	0.8	rusted, crushed and full of plastic sheeting
	28-4	0.0	open top, rusted open, crushed; contains leaves
	28-5	0.0	open top, 1/2 full of leaves, mixed w/ plastic
	28-6	5.0	2/3 buried, largely deteriorated, surrounded by tar-like sludge
	28-7	0.0	open at bung, contents unknown
	28-8	7.0	badly rusted, 1/3 full yellow-brown powder
	28-9	0.0	open at bung, contents unknown
	28-10	0.0	open at bung, contents unknown
	28-11	0.0	open at bung, bulged middle
	28-12	0.0	open at bung
	28-13	3.0	rusted open; 1/4 full of yellow powder
	28-14	0.0	open at side bung, bulged, yellow powder
	28-15	NM	rusted through, yellow powder
	28-16	0.0	crushed, open on top, 1/4 full of sludge, grease, gloves
31	31-1	0.0	crushed, largely deteriorated, brown soil, sludge, 1/4 full
	31-2	0.2	bung holes open, 1/8 full of unknown liquid
	31-3	0.0	open top, side rusted; empty
	31-4	0.0	open top, contains liquid, hose, and soil
	31-5	0.0	rusted open, open top; contains soil & organic matter
32	32-1	1.0	bulging, rusted open; no contents
34	34-1	0.0	rusted, split in half
	34-2	0.8	open top, half crushed
	34-3	0.0	open top; 2/3 full solid debris, rags, plastic, soil
	34-4	0.0	1/2 remanent; contains leaves, soda cans
	34-5	0.0	bottom rusted off, partially full of leaves & dirt
35	35-1	0.2	open top, crushed
	35-2	0.0	closed top, rusted open, no bungs

TABLE B-2

Drum Characterization
 Wildwood Property
 Wells G & H Superfund Site

Material	White Powder	Petroleum Jelly	Soil	Brown Clay	Soil & Debris	#2 Fuel Oil	RCRA Empty
Group	A	B	C	D	E	F	G
Drum Carcass Number	28-7	26-1	4-1	25-3	25-5	4-3	4-4
	28-8	26-2	4-2	25-4	28-3	4-6	4-5
	28-9	28-16	4-8	31-1	28-4		4-7
	28-10	31-3	4-9	32-1	28-18		25-1
	28-11	31-4	16-1		28-19		25-2
	28-12	34-2	22-1		31-2		28-6
	28-13	34-3	28-1				
	28-14		28-2				
	28-15		28-5				
	28-17		31-5				
			34-1				
			34-4				
			34-5				
			35-1				
			35-2				



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (203) 645-1102 Fax (203) 645-0823

July 12, 1993

Environmental Waste Tech., Inc.
1039 Chestnut Street
P.O. Box 38
Newton Upper Falls, MA 02164

Attn: Mr. Nicholas Prevosti

SAMPLE ID: AA24441 to AA24447

This laboratory is in compliance with the QA/QC procedure outlined in EPA 600/4-79-019, Handbook for Analytical Quality Control in Water and Waste Water, March 1979, and SW846 QA/QC requirements of procedures used.

If you have any questions concerning this testing, please do not hesitate to contact me.

Sincerely yours,

Sohail Jahani
Laboratory Director

CT Lab. Registration #PH-0618
MA Lab. Registration #CT-007
NY Lab. Registration #11301
RI Lab. Registration #63

July 12, 1993

Data for Sulfide Analysis QC:

QC BLANK: 0.0 UNITS:MG/L
 QC CHECK SAMPLE % RECOVERY: QC SOURCE:
 QC SAMPLE SPIKE % RECOVERY: SPIKED SAMPLE:
 QC SAMPLE REPLICATE % CHANGE: 0% REPLICATED SAMPLE: AA24446

Data for AA Metals Analysis QC:

QC Source: ERA9944	QC	QC Check	QC Spike	QC Sample
Sample ID: AA22799	Blank	Sample	Sample	Replicate
Analyte	(PPM)	(% Rec.)	(% Rec.)	(% change)
AS Arsenic	<0.01	.101	.115	.ND 0
Hg Mercury	<0.005	.110	.91.4	.ND 0
Pb Lead	.	.	.	.
Sb Antimony	.	.	.	.
Se Selenium	<0.01	.113	.105	.ND 0
Tl Thallium	<0.05	.104	.83.9	.ND 0

Data for ICP Metals Analysis QC:

QC Source: ERA3403	QC	QC Check	QC Spike	QC Sample
Sample ID: AA24415	Blank	Sample	Sample	Replicate
AA24407	(PPM)	(% Rec.)	(% Rec.)	(% change)
Analyte				
Ag Silver	<0.01	.118	.91.3	.10
Al Aluminum	.	.	.	.
As Arsenic	.	.	.	.
Au Gold	.	.	.	.
B Boron	.	.	.	.
Ba Barium	<0.01	.113	.91.9	.4.3
Be Beryllium	.	.	.	.
Bi Bismuth	.	.	.	.
Ca Calcium	.	.	.	.
Cd Cadmium	<0.01	.106	.116	.10
Co Cobalt	.	.	.	.
Cr Chromium	<0.01	.111	.110	.0.8
Cu Copper	<0.01	.109	.96.2	.6.8
Fe Iron	.	.	.	.
Hg Mercury	.	.	.	.
K Potassium	.	.	.	.
Li Lithium	.	.	.	.
Mg Magnesium	.	.	.	.
Mn Manganese	.	.	.	.
Mo Molybdenum	.	.	.	.
Na Sodium	.	.	.	.
Ni Nickel	<0.01	.109	.104	.3.0
Pb Lead	<0.10	.108	.103	.0 nd
Sb Antimony	.	.	.	.

Data for ICP Metals Analysis QC (continued):

Se Selenium	.	.	.	.	.	.
Si Silicon	.	.	.	.	.	.
Sn Tin	.	.	.	.	.	.
Tl Thallium	.	.	.	.	.	.
V Vanadium	.	.	.	.	.	.
W Tungsten	.	.	.	.	.	.
Zn Zinc	<0.01	.108	.	.96.4	.	.2.5

Data for Reactive Cyanide QC:

QC BLANK:0	UNITS:MG/L
QC CHECK SAMPLE % RECOVERY:XXX	QC SOURCE:XXX
QC SAMPLE REPLICATE % CHANGE:0.0	REPLICATED SAMPLE:AA24447

Data for Volatiles (MS) Analysis QC:

QC Source: TCVOA-1	Matrix Blank (ppb)	Matrix Spike (%Rec)	Matrix Duplic (%Rec)	Replicate Analysis (%Diff)
Benzene	nd	87.9%	86.6%	0.0%
Carbon Tetrachloride	nd	115.9%	111.7%	3.6%
Chlorobenzene	nd	90.1%	82.6%	8.3%
Chloroform	nd	113.9%	106.6%	6.4%
1,2-Dichlorobenz.-d4 (Surr)	na	69.9%	68.2%	2.4%
1,4-Dichlorobenzene	nd	108.3%	98.0%	9.5%
1,2-Dichloroethane	nd	93.4%	91.5%	2.0%
1,2-Dichloroethane-d4 (Surr)	na	96.3%	95.6%	0.7%
1,1-Dichloroethylene	nd	94.7%	93.9%	0.9%
Methyl ethyl ketone	nd	149.2%	147.1%	1.4%
Tetrachloroethylene	nd	123.4%	120.1%	2.7%
Toluene-d8 (Surr)	na	100.0%	100.0%	0.0%
Trichloroethylene	nd	131.4%	122.7%	6.6%
Vinyl chloride	nd	45.5%	36.8%	19.1%

Data for Polychlorinated Biph Analysis QC:

Analyte	QC Blank ppb	QC Check Sample % Rec.	QC Source	QC Sample Spike %Rec. (AA24444)	QC Sample Rep. Rel. % Diff. (AA24444)
PCB-1016	ND				0%ND
PCB-1221	ND				0%ND
PCB-1232	ND				0%ND
PCB-1242	ND				0%ND
PCB-1248	ND				0%ND
PCB-1254	ND				0%ND

Data for Polychlorinated Biph Analysis QC (continued):

PCB-1260 ND 86% WS1186 * 0%ND

* Unable to determine spike recoveries due to matrix interference.

Data for Pesticides (GC) Analysis QC:

QC Source: Sample ID:	Method Blank	QC Check Sample	Matrix Spike	Matrix Spike Dup	Relative % Diff. (% D)
Analyte	(ppb)	(% Rec)	(% Rec.)	(% Rec.)	

Aldrin	ND				0%ND
a-BHC	ND				0%ND
b-BHC	ND				0%ND
d-BHC	ND				0%ND
g-BHC	ND				0%ND
Chlordane	ND				0%ND
4,4'-DDD	ND				0%ND
4,4'-DDE	ND				0%ND
4,4'-DDT	ND				0%ND
Dieldrin	ND				0%ND
Endosulfan I	ND				0%ND
Endosulfan II	ND				0%ND
Endrin	ND				0%ND
Endrin aldehyde	ND				0%ND
Endosulfan sulfate	ND				0%ND
Heptachlor	ND				0%ND
Heptachlor epoxide	ND				0%ND
Methoxychlor	ND				0%ND
Toxaphene	ND				0%ND
PCB-1016	ND				0%ND
PCB-1221	ND				0%ND
PCB-1232	ND				0%ND
PCB-1242	ND				0%ND
PCB-1248	ND				0%ND
PCB-1254	ND				0%ND
PCB-1260	ND	90%	*		0%ND
Tetrachloro-m-xylene(surr)					
Decachlorobiphenyl(surr)					

* Due to matrix interference with Chlordane the Ar1260 spike was not recovered.

** Matrix interference with baseline.

Data for Semivolatile QC Data (MS):

QC Source: TCLPSV	Method	Matrix	Matrix	Replicate
-----	Blank	Spike	Duplicate	Analysis

Data for Semivolatile QC Data (MS) (continued):

Analysis	(mg/L)	(%Rec)	(%Rec)	(%diff)
2,4-Dinitrotoluene	< 10	91.8%	92.0%	0.3%
2-Fluorobiphenyl (BN-Surr)	81.8%	80.4%	80.5%	0.1%
2-Fluorophenol (A-Surr)	79.9%	59.3%	59.5%	0.4%
Hexachlorobenzene	< 10	94.0%	94.8%	0.9%
Hexachlorobutadiene	< 10	74.7%	75.1%	0.5%
Hexachloroethane	< 10	65.8%	65.8%	0.0%
2-Methylphenol (o-Cresol)	< 10	76.1%	75.8%	0.4%
4-Methylphenol (p-Cresol)	< 10	66.0%	66.1%	0.1%
Nitrobenzene	< 10	86.4%	85.8%	0.7%
Nitrobenzene-d5 (BN-Surr)	83.8%	83.1%	83.2%	0.1%
Pentachlorophenol	< 50	82.8%	83.0%	0.2%
Phenol-d6 (A-Surr)	55.0%	45.0%	45.0%	0.1%
Pyridine	< 10	91.7%	91.3%	0.4%
Terphenyl-d14 (BN-Surr)	103.9%	103.4%	103.4%	0.0%
2,4,6-Tribromophenol(A-Surr)	88.6%	88.0%	88.3%	0.3%
2,4,5-Trichlorophenol	< 10	93.2%	91.4%	2.0%
2,4,6-Trichlorophenol	< 10	100.5%	100.6%	0.1%

Data for Total Org Halogens Analysis QC:

QC BLANK: 0.0	UNITS: MG/KG
QC CHECK SAMPLE % RECOVERY:110%	QC SOURCE: IN HOUSE
QC SAMPLE SPIKE % RECOVERY:	SPIKED SAMPLE:
QC SAMPLE REPLICATE % CHANGE: 11%	REPLICATED SAMPLE: AA24441

Data for Total Organic Carbon Analysis QC:

QC BLANK: 5.85	UNITS: MG/L
QC CHECK SAMPLE % RECOVERY: 113 %	QC SOURCE: ERA 9948
QC SAMPLE SPIKE % RECOVERY: 103.9%	SPIKED SAMPLE: AA24237
QC SAMPLE REPLICATE % CHANGE : 0%	REPLICATED SAMPLE: AA24441

Data for Solids by % Analysis QC:

QC BLANK:0.0	UNITS:%
QC CHECK SAMPLE % RECOVERY:XXX	QC SOURCE:XXX
QC SAMPLE SPIKE % RECOVERY:XXX	SPIKED SAMPLE:XXX
QC SAMPLE REPLICATE % CHANGE:0.0	REPLICATED SAMPLE:AA24446

Data for Ash Analysis QC:

QC BLANK:0.0	UNITS:MG/L, MG/KG
QC CHECK SAMPLE % RECOVERY:xxx	QC SOURCE:xxx
QC SAMPLE SPIKE % RECOVERY:xxx	SPIKED SAMPLE:xxx
QC SAMPLE REPLICATE % CHANGE:0.0	REPLICATED SAMPLE:AA24446

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If there are any questions regarding this data, please call.



Sohail Jahani
Laboratory Director

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Parameter	Result	Units	MDL
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	153	mg/kg	0.50
Percent Water	44.53	%	0.01
BTU Value	7471	BTU/LB	100
Ash Solid Matrix	305.0	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	40
a-BHC	Not detected	40
b-BHC	Not detected	40
d-BHC	Not detected	40
g-BHC	Not detected	40
Chlordane	420	400
4,4'-DDD	Not detected	80
4,4'-DDE	Not detected	80
4,4'-DDT	Not detected	80
Dieldrin	Not detected	80
Endosulfan I	Not detected	40
Endosulfan II	Not detected	80
Endrin	Not detected	80
Endrin aldehyde	Not detected	80
Endosulfan sulfate	Not detected	80
Heptachlor	Not detected	40
Heptachlor epoxide	Not detected	40
Methoxychlor	Not detected	400
Toxaphene	Not detected	400
PCB-1016	Not detected	400
PCB-1221	Not detected	400
PCB-1232	Not detected	400
PCB-1242	Not detected	400
PCB-1248	Not detected	400
PCB-1254	Not detected	400
PCB-1260	Not detected	400

Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0
Carbon tetrachloride	Not detected	5.0

Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	400
PCB-1221	Not detected	400
PCB-1232	Not detected	400
PCB-1242	Not detected	400
PCB-1248	Not detected	400
PCB-1254	Not detected	400
PCB-1260	Not detected	400

Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
O-Cresol	Not detected	10.0
M&P-Cresol	Not detected	10.0
Nitrobenzene	Not detected	10.0
Pentachlorophenol	Not detected	50.0
Pyridine	Not detected	10.0
2,4,5-Trichlorophenol	Not detected	10.0
2,4,6-Trichlorophenol	Not detected	10.0
2,4-Dinitrotoluene	Not detected	10.0
Hexachlorobenzene	Not detected	10.0
Hexachloro-1,3-butadiene	Not detected	10.0
Hexachloroethane	Not detected	10.0

Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	1.3	0.5
Endrin	Not detected	0.1
Heptachlor	Not detected	0.05
Heptachlor epoxide	Not detected	0.05
Lindane	Not detected	0.05
Methoxychlor	Not detected	0.5
Toxaphene	Not detected	1.0

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Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	5.0
2,4,5-TP (Silvex)	Not detected	1.0

Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	300	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	20
1,2-Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	1,470	20
Ethyl Ether	Not detected	20
Methylene Chloride	6,430	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlorotrifluoroethane (Freon113)	Not detected	20
xylene	Not detected	20

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

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Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

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Parameter	Result	Units	MDL
TCLP Extraction for Pesticides.	Completed		
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	3510	mg/kg	0.50
Percent Water	8.03	%	0.01
BTU Value	11236	BTU/LB	100
Ash Solid Matrix	58.0	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	80000
a-BHC	Not detected	80000
b-BHC	Not detected	80000
d-BHC	Not detected	80000
g-BHC	Not detected	80000
Chlordane	5,100,000.	800000
4,4'-DDD	Not detected	160000
4,4'-DDE	Not detected	160000
4,4'-DDT	Not detected	160000
Dieldrin	Not detected	160000
Endosulfan I	Not detected	80000
Endosulfan II	Not detected	160000
Endrin	Not detected	160000
Endrin aldehyde	Not detected	160000
Endosulfan sulfate	Not detected	160000
Heptachlor	Not detected	80000
Heptachlor epoxide	Not detected	80000
Methoxychlor	Not detected	800000
Toxaphene	Not detected	800000
PCB-1016	Not detected	800000
PCB-1221	Not detected	800000
PCB-1232	Not detected	800000
PCB-1242	Not detected	800000
PCB-1248	Not detected	800000
PCB-1254	Not detected	800000
PCB-1260	Not detected	800000

Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0

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Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	137	5.0
Trichloroethylene	30.9	5.0
Vinyl chloride	Not detected	5.0

Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	80000
PCB-1221	Not detected	80000
PCB-1232	Not detected	80000
PCB-1242	Not detected	80000
PCB-1248	Not detected	80000
PCB-1254	Not detected	80000
PCB-1260	Not detected	80000

Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
O-Cresol	Not detected	50.0
M&P-Cresol	Not detected	50.0
Nitrobenzene	Not detected	50.0
Pentachlorophenol	Not detected	250.0
Pyridine	Not detected	50.0
2,4,5-Trichlorophenol	Not detected	50.0
2,4,6-Trichlorophenol	Not detected	50.0
2,4-Dinitrotoluene	Not detected	50.0
Hexachlorobenzene	Not detected	50.0
Hexachloro-1,3-butadiene	Not detected	50.0
Hexachloroethane	Not detected	50.0

Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	110.	2.5
Endrin	Not detected	0.5
Heptachlor	Not detected	0.25
Heptachlor epoxide	Not detected	0.25
Lindane	Not detected	0.25
Methoxychlor	Not detected	2.5
Toxaphene	Not detected	5.0

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Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	5.0
2,4,5-TP (Silvex)	Not detected	1.0

Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	100
Benzene	Not detected	100
Carbon Tetrachloride	Not detected	100
Chlorobenzene	Not detected	100
1,2-Dichlorobenzene (ortho)	Not detected	100
Ethyl Acetate	Not detected	100
Ethyl Benzene	6,370	100
Ethyl Ether	Not detected	100
Methylene Chloride	Not detected	100
Methyl Ethyl Ketone (2-Butanone)	Not detected	100
Methyl Isobutyl Ketone (MIBK)	Not detected	100
Tetrachloroethylene	7,760	100
Toluene	1,430	100
1,1,1-Trichloroethane	Not detected	100
1,1,2-Trichloroethane	Not detected	100
Trichloroethylene	1,050	100
Trichlorofluoromethane	Not detected	100
1,1,2-Trichlorotrifluoroethane (Freon113)	Not detected	100
xylene	4,260	100

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

Mr. Nicholas Prevosti Sample I.D. AA24442 (continued)

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Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.



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Parameter	Result	Units	MDL
TCLP Extraction for Pesticides.	Completed		
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	460	mg/kg	0.50
Percent Water	10.90	%	0.01
BTU Value	680	BTU/LB	100
Ash Solid Matrix	681.6	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	800
a-BHC	Not detected	800
b-BHC	Not detected	800
d-BHC	Not detected	800
g-BHC	Not detected	800
Chlordane	59,000	800
4,4'-DDD	Not detected	1600
4,4'-DDE	Not detected	1600
4,4'-DDT	Not detected	1600
Dieldrin	Not detected	1600
Endosulfan I	Not detected	800
Endosulfan II	Not detected	1600
Endrin	Not detected	1600
Endrin aldehyde	Not detected	1600
Endosulfan sulfate	Not detected	1600
Heptachlor	Not detected	800
Heptachlor epoxide	Not detected	800
Methoxychlor	Not detected	8000
Toxaphene	Not detected	8000
PCB-1016	Not detected	8000
PCB-1221	Not detected	8000
PCB-1232	Not detected	8000
PCB-1242	Not detected	8000
PCB-1248	Not detected	8000
PCB-1254	Not detected	8000
PCB-1260	Not detected	8000

Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	8.80	5.0

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Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	8000
PCB-1221	Not detected	8000
PCB-1232	Not detected	8000
PCB-1242	Not detected	8000
PCB-1248	Not detected	8000
PCB-1254	Not detected	8000
PCB-1260	Not detected	8000

Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
Pentachlorophenol	72.2	50.0

Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	180.	50.0
Endrin	Not detected	10.0
Heptachlor	Not detected	5.00
Heptachlor epoxide	Not detected	5.00
Lindane	Not detected	5.00
Methoxychlor	Not detected	50.0
Toxaphene	Not detected	100.0

Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	5.0
2,4,5-TP (Silvex)	Not detected	1.0

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Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	317	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	20
1,2-Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	1,790	20
Ethyl Ether	Not detected	20
Methylene Chloride	Not detected	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlorotrifluoroethane (Freon113)	Not detected	20
xylene	9,330	20

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

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Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.



Sohail Jahani
Laboratory Director

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Parameter	Result	Units	MDL
TCLP Extraction for Pesticides.	Completed		
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	536	mg/kg	0.50
Percent Water	18.46	%	0.01
BTU Value	Below det lim	BTU/LB	100
Ash Solid Matrix	719.9	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	40
a-BHC	Not detected	40
b-BHC	Not detected	40
d-BHC	Not detected	40
g-BHC	Not detected	40
Chlordane	Not detected	400
4,4'-DDD	Not detected	80
4,4'-DDE	Not detected	80
4,4'-DDT	Not detected	80
Dieldrin	Not detected	80
Endosulfan I	Not detected	40
Endosulfan II	Not detected	80
Endrin	Not detected	80
Endrin aldehyde	Not detected	80
Endosulfan sulfate	Not detected	80
Heptachlor	Not detected	40
Heptachlor epoxide	Not detected	40
Methoxychlor	Not detected	400
Toxaphene	Not detected	400
PCB-1016	Not detected	400
PCB-1221	Not detected	400
PCB-1232	Not detected	400
PCB-1242	Not detected	400
PCB-1248	Not detected	400
PCB-1254	Not detected	400
PCB-1260	Not detected	400

Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0

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Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	80
PCB-1221	Not detected	80
PCB-1232	Not detected	80
PCB-1242	Not detected	80
PCB-1248	Not detected	80
PCB-1254	Not detected	80
PCB-1260	Not detected	80

Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
O-Cresol	Not detected	10.0
M&P-Cresol	Not detected	10.0
Nitrobenzene	Not detected	10.0
Pentachlorophenol	Not detected	50.0
Pyridine	Not detected	10.0
2,4,5-Trichlorophenol	Not detected	10.0
2,4,6-Trichlorophenol	Not detected	10.0
2,4-Dinitrotoluene	Not detected	10.0
Hexachlorobenzene	Not detected	10.0
Hexachloro-1,3-butadiene	Not detected	10.0
Hexachloroethane	Not detected	10.0

Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	Not detected	5.0
Endrin	Not detected	1.0
Heptachlor	Not detected	0.50
Heptachlor epoxide	Not detected	0.50
Lindane	Not detected	0.50
Methoxychlor	Not detected	5.0
Toxaphene	Not detected	10.0

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Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	500.0
2,4,5-TP (Silvex)	Not detected	100.0

Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	Not detected	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	20
1,2-Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	Not detected	20
Ethyl Ether	Not detected	20
Methylene Chloride	Not detected	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlorotrifluoroethane (Freon113)	Not detected	20
xylene	Not detected	20

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

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Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.



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Laboratory Director

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Parameter	Result	Units	MDL
TCLP Extraction for Pesticides.	Completed		
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	570	mg/kg	0.50
Percent Water	8.12	%	0.01
BTU Value	6289	BTU/LB	100
Ash Solid Matrix	473.8	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	8000
a-BHC	Not detected	8000
b-BHC	Not detected	8000
d-BHC	Not detected	8000
g-BHC	Not detected	8000
Chlordane	340,000	80000
4,4'-DDD	Not detected	16000
4,4'-DDE	Not detected	16000
4,4'-DDT	Not detected	16000
Dieldrin	Not detected	16000
Endosulfan I	Not detected	8000
Endosulfan II	Not detected	16000
Endrin	Not detected	16000
Endrin aldehyde	Not detected	16000
Endosulfan sulfate	Not detected	16000
Heptachlor	Not detected	8000
Heptachlor epoxide	Not detected	8000
Methoxychlor	Not detected	80000
Toxaphene	Not detected	80000
PCB-1016	Not detected	80000
PCB-1221	Not detected	80000
PCB-1232	Not detected	80000
PCB-1242	Not detected	80000
PCB-1248	Not detected	80000
PCB-1254	Not detected	80000
PCB-1260	Not detected	80000

Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0

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Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	80000
PCB-1221	Not detected	80000
PCB-1232	Not detected	80000
PCB-1242	Not detected	80000
PCB-1248	Not detected	80000
PCB-1254	Not detected	80000
PCB-1260	Not detected	80000

Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
O-Cresol	Not detected	10.0
M&P-Cresol	Not detected	10.0
Nitrobenzene	Not detected	10.0
Pentachlorophenol	170.	50.0
Pyridine	Not detected	10.0
2,4,5-Trichlorophenol	Not detected	10.0
2,4,6-Trichlorophenol	Not detected	10.0
2,4-Dinitrotoluene	Not detected	10.0
Hexachlorobenzene	Not detected	10.0
Hexachloro-1,3-butadiene	Not detected	10.0
Hexachloroethane	Not detected	10.0

Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	4.8	4.0
Endrin	Not detected	1.0
Heptachlor	Not detected	0.50
Heptachlor epoxide	Not detected	0.50
Lindane	Not detected	0.50
Methoxychlor	Not detected	5.0
Toxaphene	Not detected	10.0

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Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	50.
2,4,5-TP (Silvex)	Not detected	10.

Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	236	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	20
1,2-Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	601	20
Ethyl Ether	Not detected	20
Methylene Chloride	Not detected	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlorotrifluoroethane (Freon113)	Not detected	20
xylene	2,800	20

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

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Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.



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Laboratory Director

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Parameter	Result	Units	MDL
F001-F003 Solvents(Total)	see below	ug/Kg	100
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total) Oil/Solv.	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA(Total) Oil/Solv.	see below	ug/Kg	1000
Tot.Org.Halogens Oil/Sol. Matr	6710	mg/L	0.50
BTU Value	10014	BTU/LB	100
Ash Oil/Solvent Matrix	Below det lim	mg/L	1.0
Sulfide Oil/Solvent Matrix	Below det lim	mg/L	20
TPH Fuels by FID GC	see below		
Percent Water	2.00	%	0.01

Data for TCLP Volatiles-Oil/Solv.Matrix ug/kg:

Component Name	Result	Component MDL
Benzene	23,700	2000
Carbon tetrachloride	Not detected	2000
Chlorobenzene	Not detected	2000
Chloroform	Not detected	2000
1,4-Dichlorobenzene	Not detected	2000
1,2-Dichloroethane	Not detected	2000
1,1-Dichloroethylene	Not detected	2000
Methyl ethyl ketone	Not detected	2000
Tetrachloroethylene	Not detected	2000
Trichloroethylene	Not detected	2000
Vinyl chloride	Not detected	2000

Data for Polychlorinated Biphenyls O.S.M mg/kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	50
PCB-1221	Not detected	50
PCB-1232	Not detected	50
PCB-1242	Not detected	50
PCB-1248	Not detected	50
PCB-1254	Not detected	50
PCB-1260	Not detected	50

Data for Pesticides/PCBs Oil/Solv. Matr mg/kg:

Component Name	Result	Component MDL
Aldrin	Not detected	50
alpha-BHC	Not detected	50
beta-BHC	Not detected	50
gamma-BHC(Lindane)	Not detected	50
delta-BHC	Not detected	50
Chlordane	Not detected	50
4,4'-DDD	Not detected	50
4,4'-DDE	Not detected	50
4,4'-DDT	Not detected	50

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Data for Pesticides/PCBs Oil/Solv. MatrX (continued):

Component Name	Result	Component MDL
Dieldrin	Not detected	50
Endosulfan I	Not detected	50
Endosulfan II	Not detected	50
Endosulfan sulfate	Not detected	50
Endrin	Not detected	50
Endrin aldehyde	Not detected	50
Heptachlor epoxide	Not detected	50
Heptachlor	Not detected	50
Methoxychlor	Not detected	50
Toxaphene	Not detected	50
PCB-1016	Not detected	50
PCB-1221	Not detected	50
PCB-1232	Not detected	50
PCB-1242	Not detected	50
PCB-1248	Not detected	50
PCB-1254	Not detected	50
PCB-1260	Not detected	50

Data for TCLP Acid/Base ext.Oil/Sol.MatrX ug/L:

Component Name	Result	Component MDL
O-Cresol	Not detected	20000
M&P-Cresol	Not detected	20000
Nitrobenzene	Not detected	20000
Pentachlorophenol	Not detected	100000
Pyridine	Not detected	20000
2,4,5-Trichlorophenol	Not detected	20000
2,4,6-Trichlorophenol	Not detected	20000
2,4-Dinitrotoluene	Not detected	20000
Hexachlorobenzene	Not detected	20000
Hexachloro-1,3-butadiene	Not detected	20000
Hexachloroethane	Not detected	20000

Data for TCLP Pesticides-Oil/Solv.Matrix ug/L:

Component Name	Result	Component MDL
Chlordane	Not detected	5.0
Endrin	Not detected	1.0
Heptachlor	Not detected	0.50
Heptachlor epoxide	Not detected	0.50
Lindane	Not detected	0.50
Methoxychlor	Not detected	5.0
Toxaphene	Not detected	10.0

Data for TCLP Herbicides-Oil/Solv.Matrix ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	50.0

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Data for TCLP Herbicides-Oil/Solv.Matrix (continued):

Component Name	Result	Component MDL
2,4,5-TP (Silvex)	Not detected	10.0

Data for F001-F003 Solvents(Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	10000
Benzene	26,400	10000
Carbon Tetrachloride	Not detected	10000
Chlorobenzene	Not detected	10000
1,2-Dichlorobenzene (ortho)	Not detected	10000
Ethyl Acetate	Not detected	10000
Ethyl Benzene	237,000	10000
Ethyl Ether	Not detected	10000
Methylene Chloride	Not detected	10000
Methyl Ethyl Ketone (2-Butanone)	Not detected	10000
Methyl Isobutyl Ketone (MIBK)	Not detected	10000
Tetrachloroethylene	Not detected	10000
Toluene	725,000	10000
1,1,1-Trichloroethane	407,000	10000
1,1,2-Trichloroethane	Not detected	10000
Trichloroethylene	Not detected	10000
Trichlorofluoromethane	Not detected	10000
1,1,2-Trichlorotrifluoroethane (Freon113)	Not detected	10000
xylene	1,520,000	10000

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	2000
Cyclohexanone	Not detected	2000

Data for F003 & F005 GC (Total) Oil/Solv. mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

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Data for F004 & F005 BNA(Total) Oil/Solv. ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	20000
o-Cresol	Not detected	20000
Nitrobenzene	Not detected	20000
2-Nitrobenzene	Not detected	20000
Pyridine	Not detected	20000

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Present	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.



Sohail Jahani
Laboratory Director

MANAGEMENT SERVICES, INC.

T# **046855**

An original report form must be completed for each separate waste stream. Do not submit copies.

Is this a New Waste for Approval?

or Waste Stream Reapproval? Previous Approval # _____

Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):



TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120



RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100



LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Wildwood Construction
Plant Name Construction
Address 246 Saban St. Rose
Warren State MI Zip _____
Contact James Lorenson
Alternate Carl Lorenson

S.I.C. Codes* _____
US EPA ID #* MP 617 935 55 23
Telephone (513) 371-1432 Fax () _____
Telephone () _____ Fax () _____

SECTION III - INVOICING INFORMATION

Customer FLVT
Address 1039 Chestnut St. Box 31
Ann Arbor State MI Zip 48104
Contact James Lorenson

Has an account been opened? Yes No
If Yes, Account # 333
Telephone (617) 332-2577 Fax (617) 255-7111

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:

Sampling completed by Rob Sarente

Date sample collected _____

Date sample and form sent _____

Waste Common Name: Clay

Generator Site Name: Wildwood

Sample Collected By: R. Sarente

Date Collected: _____ T#: _____

046855

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste: a. Reactive? Yes No d. Pyrophoric? Yes No
 b. Shock Sensitive? Yes No e. Oxidizer? Yes No
 c. Explosive? Yes No f. Radioactive? Yes No

If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.

2. Shipping Mode: Bulk Liquid Bulk Solid Drums Other

3. Shipping Volume per Week _____ per Month _____

4. Annual Total Volume 9 drums One Time Only Volume _____

5. DOT Shipping Name* Hazardous waste, Solid, n.o.s. (California)
 Hazard Class* 9 UN/NA#* 3027 III

SECTION VI - WASTE 'FINGERPRINT'

1. Select one or more general description(s) for the waste at 70°F:

Powdery Solid	<input type="checkbox"/>	Sludge (non pumpable)	<input type="checkbox"/>
Other Solid*	<input type="checkbox"/>	Liquid (pumpable)	<input type="checkbox"/>
Soils	<input type="checkbox"/>	Liquid (multi phase)	<input type="checkbox"/>
Debris (describe) _____			

2. Does the waste have a characteristic odor?* Yes No Describe _____

3. Color Description*: Brown

USEPA SW-846* Method

4. Are Free Liquids associated with this waste? Yes No Method 9095

5. Density: _____ lbs/gallon or lbs/cubic yards or 1.2 specific gravity

6. pH-Range: <2 2-4.9 5-9.9 10-12.4 >12.5 (attach lab results) Method 9040 or 9045

7. Flash Point: - Liquid:* <90°F 90-140°F 140-200°F >200°F (attach lab results) Method 1010
 (If Flash Point <140°F, provide TOC and VOC analytical results.)
 - Solid:* <90°F 90-140°F >140°F

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Clay

2. Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)
UNKNOWN dumping of chemicals

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

<u>Clay</u>	Minimum	to	Maximum	%
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
TOTAL:				100 %

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
b. Does this waste meet any K listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
c. Does this waste meet any P listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
d. Does this waste meet any U listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
e. Does this waste exhibit Ignitability? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
f. Does this waste exhibit Corrosivity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
g. Does this waste exhibit Reactivity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
h. Does this waste exhibit Toxicity? (attach lab results)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>D006</u>
i. Does this waste leach Copper > 100ppm? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
j. Does this waste leach Zinc > 500ppm? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>D006</u>
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____
 Sulfur (%) _____ Chlorine (%) PCBs (total ppm) _____
 Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%) _____

SECTION IX - CERTIFICATIONS

- | | Yes | No |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| 1. Does the waste contain cyanide amenable to chlorination above 250 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Does the waste contain reactive sulfide above 500 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Does this waste contain PCBs greater than 49 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*) | | |

For those constituents not tested, mark "No" and sign the certification provided.
 Either "Yes" or "No" **MUST** be checked for each and every constituent.

TCLP REGULATORY ACTION LEVELS

CONSTITUENT TESTING CONDUCTED OR CERTIFICATION

	mg./L	YES
ZHE ORGANICS*		
D018 Benzene	0.5	<input checked="" type="checkbox"/>
D019 Carbon Tetrachloride	0.5	<input checked="" type="checkbox"/>
D021 Chlorobenzene	100.0	<input checked="" type="checkbox"/>
D022 Chloroform	6.0	<input checked="" type="checkbox"/>
D028 1,2-Dichloroethane	0.5	<input checked="" type="checkbox"/>
D029 1,1-Dichloroethylene	0.7	<input checked="" type="checkbox"/>
D035 Methyl Ethyl Ketone	200.0	<input checked="" type="checkbox"/>
D039 Tetrachloroethylene	0.7	<input checked="" type="checkbox"/>
D040 Trichloroethylene	0.5	<input checked="" type="checkbox"/>
D043 Vinyl Chloride	0.2	<input checked="" type="checkbox"/>

NO	CERTIFICATION
<input type="checkbox"/>	"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
<input type="checkbox"/>	
<input type="checkbox"/>	Signed _____
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

	mg./L	YES
METALS*		
D004 Arsenic	5.0	<input checked="" type="checkbox"/>
D005 Barium	100.0	<input checked="" type="checkbox"/>
D006 Cadmium	1.0	<input checked="" type="checkbox"/>
D007 Chromium	5.0	<input checked="" type="checkbox"/>
D008 Lead	5.0	<input checked="" type="checkbox"/>
D009 Mercury	0.2	<input checked="" type="checkbox"/>
D010 Selenium	1.0	<input checked="" type="checkbox"/>
D011 Silver	5.0	<input checked="" type="checkbox"/>
001D Copper	100.0	<input checked="" type="checkbox"/>
003D Zinc	500.0	<input checked="" type="checkbox"/>

<input type="checkbox"/>	CERTIFICATION
<input type="checkbox"/>	"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
<input type="checkbox"/>	
<input type="checkbox"/>	Signed _____
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

	mg./L	YES
ACID EXTRACTABLES*		
D023 o-Cresol**	200.0	<input checked="" type="checkbox"/>
D024 m-Cresol**	200.0	<input checked="" type="checkbox"/>
D025 p-Cresol**	200.0	<input checked="" type="checkbox"/>
D026 Cresol	200.0	<input checked="" type="checkbox"/>
D037 Pentachlorophenol	100.0	<input checked="" type="checkbox"/>
D041 2,4,5-Trichlorophenol	400.0	<input checked="" type="checkbox"/>
D042 2,4,6-Trichlorophenol	2.0	<input checked="" type="checkbox"/>

<input type="checkbox"/>	CERTIFICATION
<input type="checkbox"/>	"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	Signed _____
<input type="checkbox"/>	

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

SECTION IX - CERTIFICATIONS (Continued)

TCLP REGULATORY ACTION LEVELS	mg./L	YES
BASE NEUTRAL EXTRACTABLES*		
D027 1,4-Dichlorobenzene	7.5	<input checked="" type="checkbox"/>
D030 2,4-Dinitrotoluene	0.13	<input checked="" type="checkbox"/>
D032 Hexachlorobenzene	0.13	<input checked="" type="checkbox"/>
D033 Hexachlorobutadiene	0.5	<input checked="" type="checkbox"/>
D034 Hexachloroethane	3.0	<input checked="" type="checkbox"/>
D036 Nitrobenzene	2.0	<input checked="" type="checkbox"/>
D038 Pyridine	5.0	<input type="checkbox"/>
PESTICIDES*		
D020 Chlordane	0.03	<input checked="" type="checkbox"/>
D012 Endrin	0.02	<input checked="" type="checkbox"/>
D031 Heptachlor (& its Hydroxide)	0.008	<input checked="" type="checkbox"/>
D013 Lindane	0.4	<input checked="" type="checkbox"/>
D014 Methoxychlor	10.0	<input checked="" type="checkbox"/>
D015 Toxaphene	0.5	<input checked="" type="checkbox"/>
HERBICIDES*		
D016 2,4-D	10.0	<input checked="" type="checkbox"/>
D017 2,4,5-TP (Silvex)	1.0	<input checked="" type="checkbox"/>

**CONSTITUENT TESTING CONDUCTED
OR CERTIFICATION**

NO CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- 1) Waste Characterization Report Form
- 2) Lab Reports Required for:
 - a. Free Liquid Testing
 - b. pH
 - c. Flashpoint
 - d. Cyanide
 - e. Sulfide
 - f. Land Disposal Restriction Constituent Levels
 - g. TCLP testing, including Copper and Zinc
- 3) Representative Sample of Waste
- 4) MSDS
- 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greacen Title Agent For Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greacen Printed Name James R Greacen Date 11-11-90
 Company RETEC Title Agent For Beatrice

An original report form must be completed for each separate waste stream. Do not submit copies.

Is this a New Waste for Approval?

or Waste Stream Reapproval? Previous Approval # _____

Complete all sections of this report, attach laboratory reports required and send with a REPRESENTATIVE ONE-PINT SAMPLE of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):



TREATMENT

Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120



RECOVERY/FUEL BLENDING

Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100



LANDFILL

Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name W. I. DeLard Conservation Corp
Plant Name _____
Address 276 Van Born Rd
Belleville State MI Zip _____
Contact Dave Strickman
Alternate _____

S.I.C. Codes* _____
US EPA ID #* 400 67 935 55 23
Telephone (517) 327-2242 Fax () _____
Telephone () _____ Fax () _____

SECTION III - INVOICING INFORMATION

Customer EWI, Inc.
Address 1030 Westgate Dr
Ann Arbor Spout Park State MI Zip 48106
Contact W. I. DeLard

Has an account been opened? Yes No
If Yes, Account # 333
Telephone (616) 327-3071 Fax (517) 327-8712

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a REPRESENTATIVE ONE-PINT SAMPLE of the waste.

Record the date and name of person sampling:

Sampling completed by J. S. ...

Date sample collected 11/2/93

Date sample and form sent _____

Waste Common Name: ...

Generator Site Name: ...

Sample Collected By: ...

Date Collected: 11/2/93 T#: 046861

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste:
- | | | | | | |
|---------------------|------------------------------|----------------------------------------|-----------------|------------------------------|----------------------------------------|
| a. Reactive? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | d. Pyrophoric? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| b. Shock Sensitive? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | e. Oxidizer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| c. Explosive? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | f. Radioactive? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.

2. Shipping Mode: Bulk Liquid Bulk Solid Drums Other
3. Shipping Volume per Week _____ per Month _____
4. Annual Total Volume _____ One Time Only Volume _____
5. DOT Shipping Name* R.O. Hazardous Waste Liquid n.d.s. (chloroform)
- Hazard Class* 9 UN/NA# 2052 III

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
- | | | | |
|-------------------------|--------------------------|-----------------------|-------------------------------------|
| Powdery Solid | <input type="checkbox"/> | Sludge (non pumpable) | <input checked="" type="checkbox"/> |
| Other Solid* | <input type="checkbox"/> | Liquid (pumpable) | <input type="checkbox"/> |
| Soils | <input type="checkbox"/> | Liquid (multi phase) | <input type="checkbox"/> |
| Debris (describe) _____ | | | |
2. Does the waste have a characteristic odor?* Yes No Describe _____
3. Color Description*: _____
4. Are Free Liquids associated with this waste? Yes No Method 9095
5. Density: _____ lbs/gallon or lbs/cubic yards or 1.2 specific gravity
6. pH-Range: <2 2-4.9 5-9.9 10-12.4 >12.5 (attach lab results) Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F 90-140°F 140-200°F >200°F (attach lab results) .. Method 1010
 (If Flash Point <140°F, provide TOC and VOC analytical results.)
 - Solid:* <90°F 90-140°F >140°F

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Petroleum Jelly
2. Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)
- _____
- _____
- _____

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum	to	Maximum	%
_____	_____	to	_____	_____ %
_____	_____	to	_____	_____ %
_____	_____	to	_____	_____ %
_____	_____	to	_____	_____ %
TOTAL:				100 %

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:
- | | YES | NO | CODES |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|-------------|
| a. Does this waste meet any F listing description? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| b. Does this waste meet any K listing description? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| c. Does this waste meet any P listing description? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| d. Does this waste meet any U listing description? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| e. Does this waste exhibit Ignitability? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| f. Does this waste exhibit Corrosivity? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| g. Does this waste exhibit Reactivity? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| h. Does this waste exhibit Toxicity? (attach lab results) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>D020</u> |
| i. Does this waste leach Copper > 100ppm? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| j. Does this waste leach Zinc > 500ppm? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| 5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <u>D020</u> |
| 6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
- Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____
 Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____
 Enclose lab reports for F001 - F005 solvent scan and TCLP metals.* Ash (%) _____

SECTION IX - CERTIFICATIONS

- | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| | Yes | No |
| 1. Does the waste contain cyanide amenable to chlorination above 250 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Does the waste contain reactive sulfide above 500 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Does this waste contain PCBs greater than 49 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*) | | |

For those constituents not tested, mark "No" and sign the certification provided.
 Either "Yes" or "No" **MUST** be checked for each and every constituent.

TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION
ZHE ORGANICS*	mg./L	YES
D018 Benzene	0.5	<input checked="" type="checkbox"/>
D019 Carbon Tetrachloride	0.5	<input checked="" type="checkbox"/>
D021 Chlorobenzene	100.0	<input checked="" type="checkbox"/>
D022 Chloroform	6.0	<input checked="" type="checkbox"/>
D028 1,2-Dichloroethane	0.5	<input checked="" type="checkbox"/>
D029 1,1-Dichloroethylene	0.7	<input checked="" type="checkbox"/>
D035 Methyl Ethyl Ketone	200.0	<input checked="" type="checkbox"/>
D039 Tetrachloroethylene	0.7	<input checked="" type="checkbox"/>
D040 Trichloroethylene	0.5	<input checked="" type="checkbox"/>
D043 Vinyl Chloride	0.2	<input checked="" type="checkbox"/>
METALS*		NO
D004 Arsenic	5.0	<input checked="" type="checkbox"/>
D005 Barium	100.0	<input checked="" type="checkbox"/>
D006 Cadmium	1.0	<input checked="" type="checkbox"/>
D007 Chromium	5.0	<input checked="" type="checkbox"/>
D008 Lead	5.0	<input checked="" type="checkbox"/>
D009 Mercury	0.2	<input checked="" type="checkbox"/>
D010 Selenium	1.0	<input checked="" type="checkbox"/>
D011 Silver	5.0	<input checked="" type="checkbox"/>
001D Copper	100.0	<input checked="" type="checkbox"/>
003D Zinc	500.0	<input checked="" type="checkbox"/>
ACID EXTRACTABLES*		CERTIFICATION
D023 o-Cresol**	200.0	<input checked="" type="checkbox"/>
D024 m-Cresol**	200.0	<input checked="" type="checkbox"/>
D025 p-Cresol**	200.0	<input checked="" type="checkbox"/>
D026 Cresol	200.0	<input checked="" type="checkbox"/>
D037 Pentachlorophenol	100.0	<input checked="" type="checkbox"/>
D041 2,4,5-Trichlorophenol	400.0	<input checked="" type="checkbox"/>
D042 2,4,6-Trichlorophenol	2.0	<input checked="" type="checkbox"/>

CERTIFICATION
 "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
 Signed _____

CERTIFICATION
 "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
 Signed _____

CERTIFICATION
 "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
 Signed _____

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

SECTION IX - CERTIFICATIONS (Continued)

TCLP REGULATORY ACTION LEVELS

CONSTITUENT TESTING CONDUCTED OR CERTIFICATION

BASE NEUTRAL EXTRACTABLES*	mg./L	
D027 1,4-Dichlorobenzene	7.5	<input checked="" type="checkbox"/>
D030 2,4-Dinitrotoluene	0.13	<input checked="" type="checkbox"/>
D032 Hexachlorobenzene	0.13	<input checked="" type="checkbox"/>
D033 Hexachlorobutadiene	0.5	<input checked="" type="checkbox"/>
D034 Hexachloroethane	3.0	<input checked="" type="checkbox"/>
D036 Nitrobenzene	2.0	<input checked="" type="checkbox"/>
D038 Pyridine	5.0	<input checked="" type="checkbox"/>

PESTICIDES*		
D020 Chlordane	0.03	<input checked="" type="checkbox"/>
D012 Endrin	0.02	<input checked="" type="checkbox"/>
D031 Heptachlor (& its Hydroxide)	0.008	<input checked="" type="checkbox"/>
D013 Lindane	0.4	<input checked="" type="checkbox"/>
D014 Methoxychlor	10.0	<input checked="" type="checkbox"/>
D015 Toxaphene	0.5	<input checked="" type="checkbox"/>

HERBICIDES*		
D016 2,4-D	10.0	<input checked="" type="checkbox"/>
D017 2,4,5-TP (Silvex)	1.0	<input checked="" type="checkbox"/>

NO CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- 1) Waste Characterization Report Form
- 2) Lab Reports Required for:
 - a. Free Liquid Testing
 - b. pH
 - c. Flashpoint
 - d. Cyanide
 - e. Sulfide
 - f. Land Disposal Restriction Constituent Levels
 - g. TCLP testing, including Copper and Zinc
- 3) Representative Sample of Waste
- 4) MSDS
- 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greacen Title Agent for Bestrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greacen Printed Name James R Greacen Date 4-11-92
 Company RETEC Title Agent for Bestrice

MANAGEMENT SERVICES, INC.

T# 046859

An original report form must be completed for each separate waste stream. Do not submit copies.

Is this a New Waste for Approval?

or Waste Stream Reapproval? Previous Approval # _____

Complete all sections of this report, attach laboratory reports required and send with a REPRESENTATIVE ONE-PINT SAMPLE of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):



TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120



RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100



LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Wildwood Conservation Corp
Plant Name _____
Address 246 Salem St. Road
Wahkiakum State WA Zip _____
Contact Tamie Graham
Alternate _____

S.I.C. Codes* _____
US EPA ID #* MP 617 935 55 23
Telephone (509) 371-1493 Fax () _____
Telephone () _____ Fax () _____

SECTION III - INVOICING INFORMATION

Customer EW
Address 1019 Patton St. Box 58
N. J. F. State WA Zip 98164
Contact Dave Stevenson

Has an account been opened? Yes No
If Yes, Account # 357
Telephone (509) 383-8177 Fax () _____

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a REPRESENTATIVE ONE-PINT SAMPLE of the waste.

Record the date and name of person sampling:

Sampling completed by R. Carda

Date sample collected 1/2/93

Date sample and form sent _____

Waste Common Name: Soil

Generator Site Name: 101 Patton St

Sample Collected By: R. Carda

Date Collected: 1/2/93 T#: 046859

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste: a. Reactive? Yes No d. Pyrophoric? Yes No
 b. Shock Sensitive? Yes No e. Oxidizer? Yes No
 c. Explosive? Yes No f. Radioactive? Yes No

If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.

2. Shipping Mode: Bulk Liquid Bulk Solid Drums Other

3. Shipping Volume per Week _____ per Month _____

4. Annual Total Volume 4 Drums One Time Only Volume _____

5. DOT Shipping Name* Ext. Hazardous Waste Solid n.o.s. (chloride)
 Hazard Class* 9 UN/NA #* 3077 111

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
 Powdery Solid Sludge (non pumpable)
 Other Solid* Liquid (pumpable)
 Soils Liquid (multi phase)
 Debris (describe) _____

2. Does the waste have a characteristic odor?* Yes No Describe _____

3. Color Description*: Brown

4. Are Free Liquids associated with this waste? Yes No USEPA SW-846* Method 9095

5. Density: _____ lbs/gallon or lbs/cubic yards or 1.2 specific gravity

6. pH-Range: <2 2-4.9 5-9.9 10-12.4 >12.5 (attach lab results) Method 9040 or 9045

7. Flash Point: - Liquid:* <90°F 90-140°F 140-200°F >200°F (attach lab results) .. Method 1010
 (If Flash Point <140°F, provide TOC and VOC analytical results.)
 - Solid:* <90°F 90-140°F >140°F

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Soil

2. Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum	to	Maximum	%
_____	_____	_____	_____	_____ %
_____	_____	_____	_____	_____ %
_____	_____	_____	_____	_____ %
TOTAL:	_____	_____	_____	100 %

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
b. Does this waste meet any K listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
c. Does this waste meet any P listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
d. Does this waste meet any U listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
e. Does this waste exhibit Ignitability? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
f. Does this waste exhibit Corrosivity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
g. Does this waste exhibit Reactivity? (attach lab results)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
h. Does this waste exhibit Toxicity? (attach lab results)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>DO 20</u>
i. Does this waste leach Copper > 100ppm? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
j. Does this waste leach Zinc > 500ppm? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____

5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results) DO 20

6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) N/A Heat value (BTU/lb) _____
 Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____
 Ash (%) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals:*

SECTION IX - CERTIFICATIONS

- | | Yes | No |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| 1. Does the waste contain cyanide amenable to chlorination above 250 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Does the waste contain reactive sulfide above 500 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Does this waste contain PCBs greater than 49 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*) | | |

For those constituents not tested, mark "No" and sign the certification provided.
 Either "Yes" or "No" MUST be checked for each and every constituent.

TCLP REGULATORY ACTION LEVELS

CONSTITUENT TESTING CONDUCTED OR CERTIFICATION

ZHE ORGANICS*	mg./L	YES
D018 Benzene	0.5	<input checked="" type="checkbox"/>
D019 Carbon Tetrachloride	0.5	<input checked="" type="checkbox"/>
D021 Chlorobenzene	100.0	<input checked="" type="checkbox"/>
D022 Chloroform	6.0	<input checked="" type="checkbox"/>
D028 1,2-Dichloroethane	0.5	<input checked="" type="checkbox"/>
D029 1,1-Dichloroethylene	0.7	<input checked="" type="checkbox"/>
D035 Methyl Ethyl Ketone	200.0	<input checked="" type="checkbox"/>
D039 Tetrachloroethylene	0.7	<input checked="" type="checkbox"/>
D040 Trichloroethylene	0.5	<input checked="" type="checkbox"/>
D043 Vinyl Chloride	0.2	<input checked="" type="checkbox"/>

NO CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

METALS*		YES
D004 Arsenic	5.0	<input checked="" type="checkbox"/>
D005 Barium	100.0	<input checked="" type="checkbox"/>
D006 Cadmium	1.0	<input checked="" type="checkbox"/>
D007 Chromium	5.0	<input checked="" type="checkbox"/>
D008 Lead	5.0	<input checked="" type="checkbox"/>
D009 Mercury	0.2	<input checked="" type="checkbox"/>
D010 Selenium	1.0	<input checked="" type="checkbox"/>
D011 Silver	5.0	<input checked="" type="checkbox"/>
001D Copper	100.0	<input checked="" type="checkbox"/>
003D Zinc	500.0	<input checked="" type="checkbox"/>

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

ACID EXTRACTABLES*		YES
D023 o-Cresol**	200.0	<input checked="" type="checkbox"/>
D024 m-Cresol**	200.0	<input checked="" type="checkbox"/>
D025 p-Cresol**	200.0	<input checked="" type="checkbox"/>
D026 Cresol	200.0	<input checked="" type="checkbox"/>
D037 Pentachlorophenol	100.0	<input checked="" type="checkbox"/>
D041 2,4,5-Trichlorophenol	400.0	<input checked="" type="checkbox"/>
D042 2,4,6-Trichlorophenol	2.0	<input checked="" type="checkbox"/>

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)

TCLP REGULATORY ACTION LEVELS

CONSTITUENT TESTING CONDUCTED OR CERTIFICATION

BASE NEUTRAL EXTRACTABLES*	mg./L	
D027 1,4-Dichlorobenzene	7.5	<input checked="" type="checkbox"/>
D030 2,4-Dinitrotoluene	0.13	<input checked="" type="checkbox"/>
D032 Hexachlorobenzene	0.13	<input checked="" type="checkbox"/>
D033 Hexachlorobutadiene	0.5	<input checked="" type="checkbox"/>
D034 Hexachloroethane	3.0	<input checked="" type="checkbox"/>
D036 Nitrobenzene	2.0	<input checked="" type="checkbox"/>
D038 Pyridine	5.0	<input checked="" type="checkbox"/>

PESTICIDES*		
D020 Chlordane	0.03	<input checked="" type="checkbox"/>
D012 Endrin	0.02	<input checked="" type="checkbox"/>
D031 Heptachlor (& its Hydroxide)	0.008	<input checked="" type="checkbox"/>
D013 Lindane	0.4	<input checked="" type="checkbox"/>
D014 Methoxychlor	10.0	<input checked="" type="checkbox"/>
D015 Toxaphene	0.5	<input checked="" type="checkbox"/>

HERBICIDES*		
D016 2,4-D	10.0	<input checked="" type="checkbox"/>
D017 2,4,5-TP (Silvex)	1.0	<input checked="" type="checkbox"/>

NO CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- 1) Waste Characterization Report Form
- 2) Lab Reports Required for:
 - a. Free Liquid Testing
 - b. pH
 - c. Flashpoint
 - d. Cyanide
 - e. Sulfide
 - f. Land Disposal Restriction Constituent Levels
 - g. TCLP testing, including Copper and Zinc
- 3) Representative Sample of Waste
- 4) MSDS
- 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greacen Title Agent for Bestrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greacen Printed Name James R Greacen Date 11-11-93
 Company RETEC Title Agent for Bestrice

An original report form must be completed for each separate waste stream. Do not submit copies.

Is this a New Waste for Approval?

or Waste Stream Reapproval? Previous Approval # _____

Complete all sections of this report, attach laboratory reports required and send with a **REPRESENTATIVE ONE-PINT SAMPLE** of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):



TREATMENT
Michigan Disposal, Inc.
 49350 N. I-94 Service Drive
 Belleville, MI 48111
 ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
 Customer Service: (313) 699-7120



RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
 36345 Van Born Road
 Romulus, MI 48174
 ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100



LANDFILL
Wayne Disposal, Inc.
 49350 N. I-94 Service Drive
 Belleville, MI 48111
 ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
 Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Wildwood Coatings Lubricants
 Plant Name _____
 Address 246 Salem St. Rd
Woburn State MA Zip _____
 Contact James Brennan
 Alternate _____

S.I.C. Codes* _____
 US EPA ID #* MP 617 955 SS 23
 Telephone (SPN) 371-1422 Fax () _____
 Telephone () _____ Fax () _____

SECTION III - INVOICING INFORMATION

Customer EWT
 Address 1089 Thomas St Box 34
Woburn State MA Zip 02167
 Contact Dave Stevenson

Has an account been opened? Yes No
 If Yes, Account # 332
 Telephone (617) 332-2877 Fax () _____

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a **REPRESENTATIVE ONE-PINT SAMPLE** of the waste.

Record the date and name of person sampling:
 Sampling completed by R. Sandink
 Date sample collected 11/2
 Date sample and form sent _____

Waste Common Name: Clear Resin
 Generator Site Name: Wildwood
 Sample Collected By: R. Sandink
 Date Collected: 11/2/93 T#: 046860

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste:

a. Reactive?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	d. Pyrophoric?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
b. Shock Sensitive?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	e. Oxidizer?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
c. Explosive?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	f. Radioactive?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.

2. Shipping Mode: Bulk Liquid Bulk Solid Drums Other

3. Shipping Volume per Week _____ per Month _____

4. Annual Total Volume 4 One Time Only Volume _____

5. DOT Shipping Name* Non Hazardous, Non Regulated

Hazard Class* NOT DOT UN/NA#* _____ NS: RCRA _____

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:

Powdery Solid	<input type="checkbox"/>	Sludge (non pumpable)	<input checked="" type="checkbox"/>
Other Solid*	<input type="checkbox"/>	Liquid (pumpable)	<input type="checkbox"/>
Soils	<input type="checkbox"/>	Liquid (multi phase)	<input type="checkbox"/>
Debris (describe)	_____		

2. Does the waste have a characteristic odor?* Yes No Describe _____

3. Color Description*: _____ USEPA SW-846* Method

4. Are Free Liquids associated with this waste? Yes No Method 9095

5. Density: _____ lbs/gallon or lbs/cubic yards or 1.2 specific gravity

6. pH-Range: <2 2-4.9 5-9.9 10-12.4 >12.5 (attach lab results) Method 9040 or 9045

7. Flash Point: - Liquid:* <90°F 90-140°F 140-200°F >200°F (attach lab results) Method 1010
 (If Flash Point <140°F, provide TOC and VOC analytical results.)
 - Solid:* <90°F 90-140°F >140°F

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Blue Resin

2. Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum	to	Maximum	%
_____	_____	_____	_____	_____ %
_____	_____	_____	_____	_____ %
_____	_____	_____	_____	_____ %
TOTAL:				100 %

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
b. Does this waste meet any K listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
c. Does this waste meet any P listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
d. Does this waste meet any U listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
e. Does this waste exhibit Ignitability? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
f. Does this waste exhibit Corrosivity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
g. Does this waste exhibit Reactivity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
h. Does this waste exhibit Toxicity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
i. Does this waste leach Copper > 100ppm? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
j. Does this waste leach Zinc > 500ppm? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>0296</u>

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____
 Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____
 Enclose lab reports for F001 - F005 solvent scan and TCLP metals.* Ash (%) _____

SECTION IX - CERTIFICATIONS

- | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------|
| 1. Does the waste contain cyanide amenable to chlorination above 250 ppm?* | Yes
<input type="checkbox"/> | No
<input checked="" type="checkbox"/> |
| 2. Does the waste contain reactive sulfide above 500 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Does this waste contain PCBs greater than 49 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)? | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*) | | |

For those constituents not tested, mark "No" and sign the certification provided.
 Either "Yes" or "No" MUST be checked for each and every constituent.

TCLP REGULATORY ACTION LEVELS

CONSTITUENT TESTING CONDUCTED OR CERTIFICATION

ZHE ORGANICS*	mg./L	
D018 Benzene	0.5	<input checked="" type="checkbox"/>
D019 Carbon Tetrachloride	0.5	<input checked="" type="checkbox"/>
D021 Chlorobenzene	100.0	<input checked="" type="checkbox"/>
D022 Chloroform	6.0	<input checked="" type="checkbox"/>
D028 1,2-Dichloroethane	0.5	<input checked="" type="checkbox"/>
D029 1,1-Dichloroethylene	0.7	<input checked="" type="checkbox"/>
D035 Methyl Ethyl Ketone	200.0	<input checked="" type="checkbox"/>
D039 Tetrachloroethylene	0.7	<input checked="" type="checkbox"/>
D040 Trichloroethylene	0.5	<input checked="" type="checkbox"/>
D043 Vinyl Chloride	0.2	<input checked="" type="checkbox"/>

YES

NO	CERTIFICATION
<input type="checkbox"/>	"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
<input type="checkbox"/>	
<input type="checkbox"/>	Signed _____
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

METALS*		
D004 Arsenic	5.0	<input checked="" type="checkbox"/>
D005 Barium	100.0	<input checked="" type="checkbox"/>
D006 Cadmium	1.0	<input checked="" type="checkbox"/>
D007 Chromium	5.0	<input checked="" type="checkbox"/>
D008 Lead	5.0	<input checked="" type="checkbox"/>
D009 Mercury	0.2	<input checked="" type="checkbox"/>
D010 Selenium	1.0	<input checked="" type="checkbox"/>
D011 Silver	5.0	<input checked="" type="checkbox"/>
001D Copper	100.0	<input checked="" type="checkbox"/>
003D Zinc	500.0	<input checked="" type="checkbox"/>

YES

	CERTIFICATION
<input type="checkbox"/>	"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
<input type="checkbox"/>	
<input type="checkbox"/>	Signed _____
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

ACID EXTRACTABLES*		
D023 o-Cresol**	200.0	<input checked="" type="checkbox"/>
D024 m-Cresol**	200.0	<input checked="" type="checkbox"/>
D025 p-Cresol**	200.0	<input checked="" type="checkbox"/>
D026 Cresol	200.0	<input checked="" type="checkbox"/>
D037 Pentachlorophenol	100.0	<input checked="" type="checkbox"/>
D041 2,4,5-Trichlorophenol	400.0	<input checked="" type="checkbox"/>
D042 2,4,6-Trichlorophenol	2.0	<input checked="" type="checkbox"/>

YES

	CERTIFICATION
<input type="checkbox"/>	"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	Signed _____
<input type="checkbox"/>	

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

SECTION IX - CERTIFICATIONS (Continued)

TCLP REGULATORY ACTION LEVELS

CONSTITUENT TESTING CONDUCTED OR CERTIFICATION

BASE NEUTRAL mg./L
 EXTRACTABLES*
 D027 1,4-Dichlorobenzene 7.5
 D030 2,4-Dinitrotoluene 0.13
 D032 Hexachlorobenzene 0.13
 D033 Hexachlorobutadiene 0.5
 D034 Hexachloroethane 3.0
 D036 Nitrobenzene 2.0
 D038 Pyridine 5.0

YES

NO CERTIFICATION
 "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
 Signed _____

PESTICIDES*
 D020 Chlordane 0.03
 D012 Endrin 0.02
 D031 Heptachlor (& its Hydroxide) 0.008
 D013 Lindane 0.4
 D014 Methoxychlor 10.0
 D015 Toxaphene 0.5

YES

CERTIFICATION
 "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."
 Signed _____

HERBICIDES*
 D016 2,4-D 10.0
 D017 2,4,5-TP (Silvex) 1.0

YES

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- 1) Waste Characterization Report Form
- 2) Lab Reports Required for:
 - a. Free Liquid Testing
 - b. pH
 - c. Flashpoint
 - d. Cyanide
 - e. Sulfide
 - f. Land Disposal Restriction Constituent Levels
 - g. TCLP testing, including Copper and Zinc
- 3) Representative Sample of Waste
- 4) MSDS
- 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed James R. Greacen Title Agent for Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature James R. Greacen Printed Name James R. Greacen Date 11-11-90
 Company RETEC Title Agent for Beatrice

An original report form must be completed for each separate waste stream. Do not submit copies.

Is this a New Waste for Approval?

or Waste Stream Reapproval? Previous Approval # _____

Complete all sections of this report, attach laboratory reports required and send with a REPRESENTATIVE ONE-PINT SAMPLE of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):



TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120



RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100



LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Wildwind Construction Corp
Plant Name _____
Address 246 Salem St Rd
Webster State MA Zip _____
Contact James Brennan
Alternate _____

S.I.C. Codes* _____
US EPA ID #* MP 617 485 5513
Telephone (SPV) 371-1422 Fax () _____
Telephone () _____ Fax () _____

SECTION III - INVOICING INFORMATION

Customer EWI
Address 1039 Chestnut St Box 38
NUP State MA Zip 02167
Contact Dave Stevenson

Has an account been opened? Yes No
If Yes, Account # 332
Telephone (617) 332-2877 Fax () _____

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a REPRESENTATIVE ONE-PINT SAMPLE of the waste.

Record the date and name of person sampling:
Sampling completed by R. Sandink
Date sample collected 11/2
Date sample and form sent _____

Waste Common Name: Glue Resin
Generator Site Name: Wildwind
Sample Collected By: R. Sandink
Date Collected: 11/2/93 T#: 046860

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste:
- | | | | | | |
|---------------------|------------------------------|----------------------------------------|-----------------|------------------------------|----------------------------------------|
| a. Reactive? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | d. Pyrophoric? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| b. Shock Sensitive? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | e. Oxidizer? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| c. Explosive? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | f. Radioactive? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
- If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.
2. Shipping Mode: Bulk Liquid Bulk Solid Drums Other
3. Shipping Volume per Week _____ per Month _____
4. Annual Total Volume 4 One Time Only Volume _____
5. DOT Shipping Name* Non-Hazardous, Non-Regulated
 Hazard Class* NOT DOT UN/NA# NOT RCRA

SECTION VI - WASTE 'FINGERPRINT'

1. Select one or more general description(s) for the waste at 70°F:
- | | | | |
|-------------------------|--------------------------|-----------------------|-------------------------------------|
| Powdery Solid | <input type="checkbox"/> | Sludge (non pumpable) | <input checked="" type="checkbox"/> |
| Other Solid* | <input type="checkbox"/> | Liquid (pumpable) | <input type="checkbox"/> |
| Soils | <input type="checkbox"/> | Liquid (multi phase) | <input type="checkbox"/> |
| Debris (describe) _____ | | | |
2. Does the waste have a characteristic odor?* Yes No Describe _____
3. Color Description*: _____
4. Are Free Liquids associated with this waste? Yes No USEPA SW-846* Method 9095
5. Density: _____ lbs/gallon or lbs/cubic yards or 1.2 specific gravity
6. pH-Range: <2 2-4.9 5-9.9 10-12.4 >12.5 (attach lab results) Method 9040 or 9045
7. Flash Point: - Liquid:* <90°F 90-140°F 140-200°F >200°F (attach lab results) .. Method 1010
 (If Flash Point <140°F, provide TOC and VOC analytical results.)
 - Solid:* <90°F 90-140°F >140°F

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Blue Resin
2. Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:
- | | Minimum | Maximum | % |
|--------|---------|---------|---------|
| _____ | _____ | _____ | _____ % |
| _____ | _____ | _____ | _____ % |
| _____ | _____ | _____ | _____ % |
| _____ | _____ | _____ | _____ % |
| TOTAL: | | | 100 % |
4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:
- | | YES | NO | CODES |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|-------------|
| a. Does this waste meet any F listing description? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| b. Does this waste meet any K listing description? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| c. Does this waste meet any P listing description? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| d. Does this waste meet any U listing description? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| e. Does this waste exhibit Ignitability? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| f. Does this waste exhibit Corrosivity? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| g. Does this waste exhibit Reactivity? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| h. Does this waste exhibit Toxicity? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| i. Does this waste leach Copper > 100ppm? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| j. Does this waste leach Zinc > 500ppm? (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| 5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| 6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <u>0296</u> |
- Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) _____ Solids (%) _____ Heat value (BTU/lb) _____
 Sulfur (%) _____ Chlorine (%) _____ PCBs (total ppm) _____
 Ash (%) _____

Enclose lab reports for F001 - F005 solvent scan and TCLP metals:*

SECTION IX - CERTIFICATIONS

- | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| | Yes | No |
| 1. Does the waste contain cyanide amenable to chlorination above 250 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Does the waste contain reactive sulfide above 500 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Does this waste contain PCBs greater than 49 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)? | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*) | | |

For those constituents not tested, mark "No" and sign the certification provided.
 Either "Yes" or "No" MUST be checked for each and every constituent.

TCLP REGULATORY ACTION LEVELS

CONSTITUENT TESTING CONDUCTED OR CERTIFICATION

ZHE ORGANICS*	mg./L	
D018 Benzene	0.5	<input checked="" type="checkbox"/>
D019 Carbon Tetrachloride	0.5	<input checked="" type="checkbox"/>
D021 Chlorobenzene	100.0	<input checked="" type="checkbox"/>
D022 Chloroform	6.0	<input checked="" type="checkbox"/>
D028 1,2-Dichloroethane	0.5	<input checked="" type="checkbox"/>
D029 1,1-Dichloroethylene	0.7	<input checked="" type="checkbox"/>
D035 Methyl Ethyl Ketone	200.0	<input checked="" type="checkbox"/>
D039 Tetrachloroethylene	0.7	<input checked="" type="checkbox"/>
D040 Trichloroethylene	0.5	<input checked="" type="checkbox"/>
D043 Vinyl Chloride	0.2	<input checked="" type="checkbox"/>

YES

NO CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

METALS*		
D004 Arsenic	5.0	<input checked="" type="checkbox"/>
D005 Barium	100.0	<input checked="" type="checkbox"/>
D006 Cadmium	1.0	<input checked="" type="checkbox"/>
D007 Chromium	5.0	<input checked="" type="checkbox"/>
D008 Lead	5.0	<input checked="" type="checkbox"/>
D009 Mercury	0.2	<input checked="" type="checkbox"/>
D010 Selenium	1.0	<input checked="" type="checkbox"/>
D011 Silver	5.0	<input checked="" type="checkbox"/>
001D Copper	100.0	<input checked="" type="checkbox"/>
003D Zinc	500.0	<input checked="" type="checkbox"/>

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

ACID EXTRACTABLES*		
D023 o-Cresol**	200.0	<input checked="" type="checkbox"/>
D024 m-Cresol**	200.0	<input checked="" type="checkbox"/>
D025 p-Cresol**	200.0	<input checked="" type="checkbox"/>
D026 Cresol	200.0	<input checked="" type="checkbox"/>
D037 Pentachlorophenol	100.0	<input checked="" type="checkbox"/>
D041 2,4,5-Trichlorophenol	400.0	<input checked="" type="checkbox"/>
D042 2,4,6-Trichlorophenol	2.0	<input checked="" type="checkbox"/>

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

SECTION IX - CERTIFICATIONS (Continued)

TCLP REGULATORY ACTION LEVELS

CONSTITUENT TESTING CONDUCTED OR CERTIFICATION

BASE NEUTRAL mg./L
EXTRACTABLES*

D027 1,4-Dichlorobenzene	7.5	<input checked="" type="checkbox"/>
D030 2,4-Dinitrotoluene	0.13	<input checked="" type="checkbox"/>
D032 Hexachlorobenzene	0.13	<input checked="" type="checkbox"/>
D033 Hexachlorobutadiene	0.5	<input checked="" type="checkbox"/>
D034 Hexachloroethane	3.0	<input checked="" type="checkbox"/>
D036 Nitrobenzene	2.0	<input checked="" type="checkbox"/>
D038 Pyridine	5.0	<input checked="" type="checkbox"/>

PESTICIDES*

D020 Chlordane	0.03	<input checked="" type="checkbox"/>
D012 Endrin	0.02	<input checked="" type="checkbox"/>
D031 Heptachlor (& its Hydroxide)	0.008	<input checked="" type="checkbox"/>
D013 Lindane	0.4	<input checked="" type="checkbox"/>
D014 Methoxychlor	10.0	<input checked="" type="checkbox"/>
D015 Toxaphene	0.5	<input checked="" type="checkbox"/>

HERBICIDES*

D016 2,4-D	10.0	<input checked="" type="checkbox"/>
D017 2,4,5-TP (Silvex)	1.0	<input checked="" type="checkbox"/>

YES

NO

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- 1) Waste Characterization Report Form
- 2) Lab Reports Required for:
 - a. Free Liquid Testing
 - b. pH
 - c. Flashpoint
 - d. Cyanide
 - e. Sulfide
 - f. Land Disposal Restriction Constituent Levels
 - g. TCLP testing, including Copper and Zinc
- 3) Representative Sample of Waste
- 4) MSDS
- 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed X James R Greacen Title Agent for Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature X James R Greacen Printed Name James R Greacen Date 11-11-90

Company RETEC Title Agent for Beatrice

An original report form must be completed for each separate waste stream. Do not submit copies.

Is this a New Waste for Approval?

or Waste Stream Reapproval? Previous Approval # _____

Complete all sections of this report, attach laboratory reports required and send with a REPRESENTATIVE ONE-PINT SAMPLE of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):

TREATMENT



Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120

RECOVERY/FUEL BLENDING



Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100

LANDFILL



Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Waldwood Conservation Corp
Plant Name _____
Address 246 Salem St. Rd
Woburn State MA Zip _____
Contact Tamie Gilman
Alternate _____

S.I.C. Codes* _____
US EPA ID #* MA 017 93555 23
Telephone (508) 277-1522 Fax () _____
Telephone () _____ Fax () _____

SECTION III - INVOICING INFORMATION

Customer EWT inc
Address 1039 Chestnut St. Box 38
MA State MA Zip 02164
Contact Dave Sullivan

Has an account been opened? Yes No
If Yes, Account # 232
Telephone (617) 332-2672 Fax (617) 332-8712

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a REPRESENTATIVE ONE-PINT SAMPLE of the waste.

#2 oil

Record the date and name of person sampling:

Sampling completed by R. Sordani

Date sample collected 4/2/93

Date sample and form sent _____

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste: a. Reactive? Yes No d. Pyrophoric? Yes No
 b. Shock Sensitive? Yes No e. Oxidizer? Yes No
 c. Explosive? Yes No f. Radioactive? Yes No

If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.

2. Shipping Mode: Bulk Liquid Bulk Solid Drums Other

3. Shipping Volume per Week _____ per Month _____

4. Annual Total Volume _____ One Time Only Volume _____

5. DOT Shipping Name* Combustible Liquid n.o.s. (Benzene)
 Hazard Class* UN/NA # 1993 4

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:
 Powdery Solid Sludge (non pumpable)
 Other Solid* Liquid (pumpable)
 Soils Liquid (multi phase)
 Debris (describe) _____

2. Does the waste have a characteristic odor?* Yes No Describe 0.17

3. Color Description*: SLURRY USEPA SW-846* Method 9095

4. Are Free Liquids associated with this waste? Yes No Method 9095

5. Density: _____ lbs/gallon or lbs/cubic yards or 1.1 specific gravity

6. pH-Range: <2 2-4.9 5-9.9 10-12.4 >12.5 (attach lab results) Method 9040 or 9045

7. Flash Point: - Liquid:* <90°F 90-140°F 140-200°F >200°F (attach lab results) Method 1010
 (If Flash Point <140°F, provide TOC and VOC analytical results.)
 - Solid:* <90°F 90-140°F >140°F

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name Oil

2. Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum	to	Maximum	%
_____	_____	_____	_____	_____ %
_____	_____	_____	_____	_____ %
_____	_____	_____	_____	_____ %
_____	_____	_____	_____	_____ %
TOTAL:				100 %

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
b. Does this waste meet any K listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
c. Does this waste meet any P listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
d. Does this waste meet any U listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
e. Does this waste exhibit Ignitability? (attach lab results)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____
f. Does this waste exhibit Corrosivity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
g. Does this waste exhibit Reactivity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
h. Does this waste exhibit Toxicity? (attach lab results)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>0018</u>
i. Does this waste leach Copper > 100ppm? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
j. Does this waste leach Zinc > 500ppm? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*

Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:

Water (%) Solids (%) Heat value (BTU/lb) 10,014
 Sulfur (%) Chlorine (%) PCBs (total ppm)

Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%)

SECTION IX - CERTIFICATIONS

- | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| | Yes | No |
| 1. Does the waste contain cyanide amenable to chlorination above 250 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Does the waste contain reactive sulfide above 500 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Does this waste contain PCBs greater than 49 ppm?* | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*) | | |

For those constituents not tested, mark "No" and sign the certification provided.
 Either "Yes" or "No" **MUST** be checked for each and every constituent.

TCLP REGULATORY ACTION LEVELS

CONSTITUENT TESTING CONDUCTED OR CERTIFICATION

ZHE ORGANICS*	mg./L	YES
D018 Benzene	0.5	<input checked="" type="checkbox"/>
D019 Carbon Tetrachloride	0.5	<input checked="" type="checkbox"/>
D021 Chlorobenzene	100.0	<input checked="" type="checkbox"/>
D022 Chloroform	6.0	<input checked="" type="checkbox"/>
D028 1,2-Dichloroethane	0.5	<input checked="" type="checkbox"/>
D029 1,1-Dichloroethylene	0.7	<input checked="" type="checkbox"/>
D035 Methyl Ethyl Ketone	200.0	<input checked="" type="checkbox"/>
D039 Tetrachloroethylene	0.7	<input checked="" type="checkbox"/>
D040 Trichloroethylene	0.5	<input checked="" type="checkbox"/>
D043 Vinyl Chloride	0.2	<input checked="" type="checkbox"/>

METALS*		
D004 Arsenic	5.0	<input checked="" type="checkbox"/>
D005 Barium	100.0	<input checked="" type="checkbox"/>
D006 Cadmium	1.0	<input checked="" type="checkbox"/>
D007 Chromium	5.0	<input checked="" type="checkbox"/>
D008 Lead	5.0	<input checked="" type="checkbox"/>
D009 Mercury	0.2	<input checked="" type="checkbox"/>
D010 Selenium	1.0	<input checked="" type="checkbox"/>
D011 Silver	5.0	<input checked="" type="checkbox"/>
001D Copper	100.0	<input checked="" type="checkbox"/>
003D Zinc	500.0	<input checked="" type="checkbox"/>

ACID EXTRACTABLES*		
D023 o-Cresol**	200.0	<input checked="" type="checkbox"/>
D024 m-Cresol**	200.0	<input checked="" type="checkbox"/>
D025 p-Cresol**	200.0	<input checked="" type="checkbox"/>
D026 Cresol	200.0	<input checked="" type="checkbox"/>
D037 Pentachlorophenol	100.0	<input checked="" type="checkbox"/>
D041 2,4,5-Trichlorophenol	400.0	<input checked="" type="checkbox"/>
D042 2,4,6-Trichlorophenol	2.0	<input checked="" type="checkbox"/>

NO CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

* If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

(Continued)

* See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)

TCLP REGULATORY ACTION LEVELS		CONSTITUENT TESTING CONDUCTED OR CERTIFICATION	
BASE NEUTRAL EXTRACTABLES*	mg./L	YES	NO CERTIFICATION
D027 1,4-Dichlorobenzene	7.5	<input checked="" type="checkbox"/>	<input type="checkbox"/> "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." <input type="checkbox"/> Signed _____
D030 2,4-Dinitrotoluene	0.13	<input checked="" type="checkbox"/>	
D032 Hexachlorobenzene	0.13	<input checked="" type="checkbox"/>	
D033 Hexachlorobutadiene	0.5	<input checked="" type="checkbox"/>	
D034 Hexachloroethane	3.0	<input checked="" type="checkbox"/>	
D036 Nitrobenzene	2.0	<input checked="" type="checkbox"/>	
D038 Pyridine	5.0	<input checked="" type="checkbox"/>	
PESTICIDES*			CERTIFICATION
D020 Chlordane	0.03	<input checked="" type="checkbox"/>	<input type="checkbox"/> "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels." <input type="checkbox"/> Signed _____
D012 Endrin	0.02	<input checked="" type="checkbox"/>	
D031 Heptachlor (& its Hydroxide)	0.008	<input checked="" type="checkbox"/>	
D013 Lindane	0.4	<input checked="" type="checkbox"/>	
D014 Methoxychlor	10.0	<input checked="" type="checkbox"/>	
D015 Toxaphene	0.5	<input checked="" type="checkbox"/>	
HERBICIDES*			
D016 2,4-D	10.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>
D017 2,4,5-TP (Silvex)	1.0	<input checked="" type="checkbox"/>	

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- 1) Waste Characterization Report Form
- 2) Lab Reports Required for:
 - a. Free Liquid Testing
 - b. pH
 - c. Flashpoint
 - d. Cyanide
 - e. Sulfide
 - f. Land Disposal Restriction Constituent Levels
 - g. TCLP testing, including Copper and Zinc
- 3) Representative Sample of Waste
- 4) MSDS
- 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed James R. Greacen Title Agent for Beatrice

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature James R. Greacen Printed Name James R. Greacen Date 11-11-93
 Company RETEC Title Agent for Beatrice

MANAGEMENT SERVICES, INC.

T# 046857

An original report form must be completed for each separate waste stream. Do not submit copies.

Is this a New Waste for Approval?

or Waste Stream Reapproval? Previous Approval # _____

Complete all sections of this report, attach laboratory reports required and send with a REPRESENTATIVE ONE-PINT SAMPLE of this waste to the facility. Waste loads will not be scheduled for shipment until 1.) the facility has issued an approval letter and 2.) the customer has signed and returned the quotation agreement.

SECTION I - TREATMENT, DISPOSAL & RECOVERY NEEDS

This waste approval request is being submitted for (check all that apply):



TREATMENT
Michigan Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.
Customer Service: (313) 699-7120



RECOVERY/FUEL BLENDING
Michigan Recovery Systems, Inc.
36345 Van Born Road
Romulus, MI 48174
ATTN: Technical Review

Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100



LANDFILL
Wayne Disposal, Inc.
49350 N. I-94 Service Drive
Belleville, MI 48111
ATTN: Technical Review

Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management.
Customer Service: (313) 697-7830

SECTION II - GENERATOR FACILITY INFORMATION

Generator Name Wildwood Conservation Corp
Plant Name _____
Address 246 Selma St. Rd.
Woburn State MA Zip _____
Contact James Grogan
Alternate _____

S.I.C. Codes* _____
US EPA ID #* MA 617 935 5523
Telephone (318) 371-1421 Fax () _____
Telephone () _____ Fax () _____

SECTION III - INVOICING INFORMATION

Customer EWAT
Address 1035 LAKEVIEW PL Box 3V
Woburn State MA Zip 01864
Contact David Johnson

Has an account been opened? Yes No
If Yes, Account # 331
Telephone (617) 372-2577 Fax () _____

SECTION IV - SAMPLING

A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a REPRESENTATIVE ONE-PINT SAMPLE of the waste.

Record the date and name of person sampling:

Sampling completed by R. Sardino

Date sample collected 11/2/93

Date sample and form sent _____

Waste Common Name: White Powder

Generator Site Name: Wildwood

Sample Collected By: R. Sardino

Date Collected: 11/2/93 T#: 046857

SECTION V - SHIPPING AND HANDLING INFORMATION

1. Is this waste:

a. Reactive?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	d. Pyrophoric?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
b. Shock Sensitive?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	e. Oxidizer?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
c. Explosive?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	f. Radioactive?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.

2. Shipping Mode: Bulk Liquid Bulk Solid Drums Other

3. Shipping Volume per Week _____ per Month _____

4. Annual Total Volume _____ One Time Only Volume _____

5. DOT Shipping Name* Non Hazardous, Non Regulated
 Hazard Class* Not DOT UN/NA #* Not RCRA

SECTION VI - WASTE "FINGERPRINT"

1. Select one or more general description(s) for the waste at 70°F:

Powdery Solid	<input checked="" type="checkbox"/>	Sludge (non pumpable)	<input type="checkbox"/>
Other Solid*	<input type="checkbox"/>	Liquid (pumpable)	<input type="checkbox"/>
Soils	<input type="checkbox"/>	Liquid (multi phase)	<input type="checkbox"/>
Debris (describe) _____			

2. Does the waste have a characteristic odor?* Yes No Describe _____

3. Color Description*: White

4. Are Free Liquids associated with this waste? Yes No Method 9095

5. Density: _____ lbs/gallon or lbs/cubic yards or 1.1 specific gravity

6. pH-Range: <2 2-4.9 5-9.9 10-12.4 >12.5 (attach lab results) Method 9040 or 9045

7. Flash Point: - Liquid:* <90°F 90-140°F 140-200°F >200°F (attach lab results) .. Method 1010
 (If Flash Point <140°F, provide TOC and VOC analytical results.)
 - Solid:* <90°F 90-140°F >140°F

SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)

1. Waste Common Name White Powder

2. Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)

3. Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:

	Minimum	to	Maximum	
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
_____	_____	to	_____	%
TOTAL:				100 %

4. Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:

	YES	NO	CODES
a. Does this waste meet any F listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
b. Does this waste meet any K listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
c. Does this waste meet any P listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
d. Does this waste meet any U listing description?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
e. Does this waste exhibit Ignitability? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
f. Does this waste exhibit Corrosivity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
g. Does this waste exhibit Reactivity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
h. Does this waste exhibit Toxicity? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
i. Does this waste leach Copper > 100ppm? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
j. Does this waste leach Zinc > 500ppm? (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
5. For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____
6. Is this a non-hazardous liquid waste regulated by Michigan Act 136?*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>0292</u>

Attach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

* See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)

TCLP REGULATORY ACTION LEVELS

CONSTITUENT TESTING CONDUCTED OR CERTIFICATION

BASE NEUTRAL EXTRACTABLES*	mg./L	YES
D027 1,4-Dichlorobenzene	7.5	<input checked="" type="checkbox"/>
D030 2,4-Dinitrotoluene	0.13	<input checked="" type="checkbox"/>
D032 Hexachlorobenzene	0.13	<input checked="" type="checkbox"/>
D033 Hexachlorobutadiene	0.5	<input checked="" type="checkbox"/>
D034 Hexachloroethane	3.0	<input checked="" type="checkbox"/>
D036 Nitrobenzene	2.0	<input checked="" type="checkbox"/>
D038 Pyridine	5.0	<input checked="" type="checkbox"/>

PESTICIDES*		
D020 Chlordane	0.03	<input checked="" type="checkbox"/>
D012 Endrin	0.02	<input checked="" type="checkbox"/>
D031 Heptachlor (& its Hydroxide)	0.008	<input checked="" type="checkbox"/>
D013 Lindane	0.4	<input checked="" type="checkbox"/>
D014 Methoxychlor	10.0	<input checked="" type="checkbox"/>
D015 Toxaphene	0.5	<input checked="" type="checkbox"/>

HERBICIDES*		
D016 2,4-D	10.0	<input checked="" type="checkbox"/>
D017 2,4,5-TP (Silvex)	1.0	<input checked="" type="checkbox"/>

NO CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

CERTIFICATION

"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."

Signed _____

REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL

APPLICATION PACKAGE CONTENTS

All pertinent items must be included together in one application package.

- 1) Waste Characterization Report Form
- 2) Lab Reports Required for:
 - a. Free Liquid Testing
 - b. pH
 - c. Flashpoint
 - d. Cyanide
 - e. Sulfide
 - f. Land Disposal Restriction Constituent Levels
 - g. TCLP testing, including Copper and Zinc
- 3) Representative Sample of Waste
- 4) MSDS
- 5) Other: _____

"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."

Signed *James R Greacen* Title *Agent For Bedtrick*

"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."

Signature *James R Greacen* Printed Name *James R Greacen* Date *11-11-93*
 Company *RETEC* Title *Agent For Bedtrick*

SITES WHICH DO NOT MEET TREATMENT STANDARDS NOTICE FROM GENERATOR TO DISPOSAL FACILITY (40 CFR 268.7 (a) (1) (i))

The wastes identified on manifest number M13/24992 and bearing the EPA Hazardous Waste Number(s) D006 are subject to the land disposal restrictions of 40 CFR Part 268. This waste does not meet the applicable treatment standards specified in Part 268 Subpart D or exceeds the prohibitions specified in 268.32 or RCRA section 3004(d). Analytical data, where available, has been previously supplied or is attached. All treatment standards or prohibition levels exceeded by the waste are circled and initialed below.

Applicable treatment standards from 40 CFR 268.41 (Table CCWE) or 268.42 (Tables 1 and 2) or 268.43 (Table CCW)

Hazardous Waste Description	Constituents of concern	NONWASTEWATER		WASTEWATER
		Total Composition mg/kg	TCLP mg/L	Total Composition mg/L
04-Arsenic	Arsenic		5 **	5
05-Barium	Barium		100	100
06-Cadmium	Cadmium		1	1
07-Chromium	Chromium (total)		5	5
08-Lead			5	5
09-Low-mercury sub-category (< 260 mg/kg total Hg)	Mercury		0.2 **	0.2
09-High-mercury sub-category (> 260 mg/kg total Hg)		IMERC.RMERC **		0.2
10-Selenium	Selenium		5.7	1
11-Silver	Silver		5	5

This waste is exempt from treatment standards until May 8, 1992

California List Prohibition Levels (40 CFR 268.32)

Does this waste contain any of the following constituents at levels greater than or equal to the California List Prohibition levels given below?

- No Constituents
- 1,000 mg/kg Halogenated Organic Compounds (HOCs listed in 268 Appendix III)
- 50 ppm. PCB's (liquid wastes)
- 134 mg/L Nickel (liquid wastes)
- 130 mg/L Thallium (liquid wastes)

Additional Hazardous Characteristics

No additional Hazardous Characteristics are exhibited by this waste which would require treatment beyond the standards described above. Treatment standards for the additional Hazardous Characteristics requiring treatment are indicated on the attached page.

Certification

All treatment standards and prohibition levels applicable to this waste are indicated above.*

Company Name: WILDWOOD CONSERVATION EPA ID: MP6179355523

Authorized Signature: _____ Date: _____

XO R2

m 1

Waste Approval Code: 111993MK

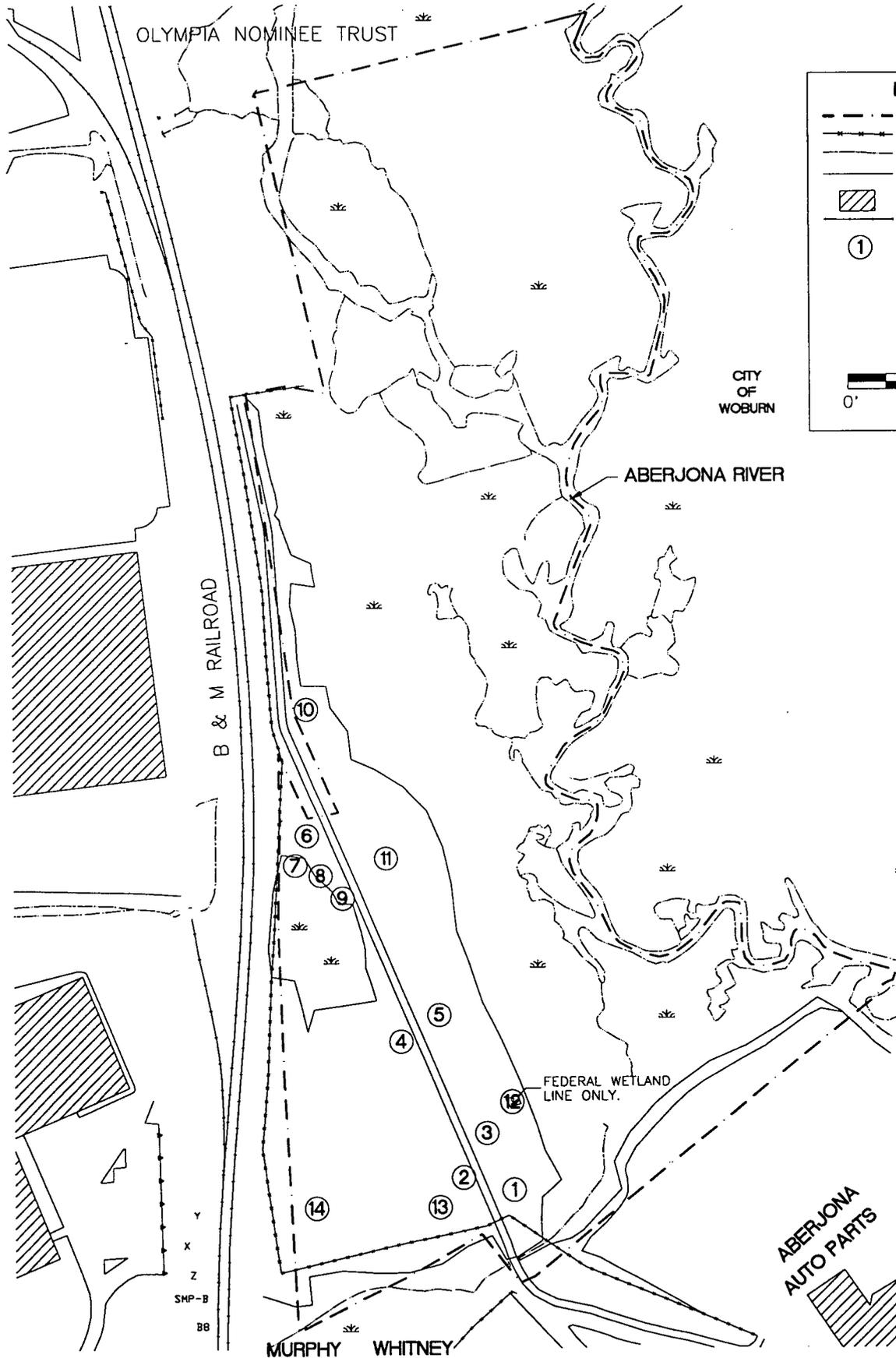


Michigan Disposal, Inc.

ENVIRONMENTAL PROTECTION FACILITY
 49350 N. I-94 Service Drive
 Belleville, Michigan 48111
 (313) 697-7830 • FAX: (313) 699-3499

APPENDIX C

DEBRIS SOIL CHARACTERIZATION



LEGEND

- Property Line
- - - Chain-link Fence
- River
- ▨ Existing Structure
- Railroad Tracks
- ① Debris Pile Location

0' SCALE 200'

DEBRIS PILE LOCATIONS

Attachment C-1

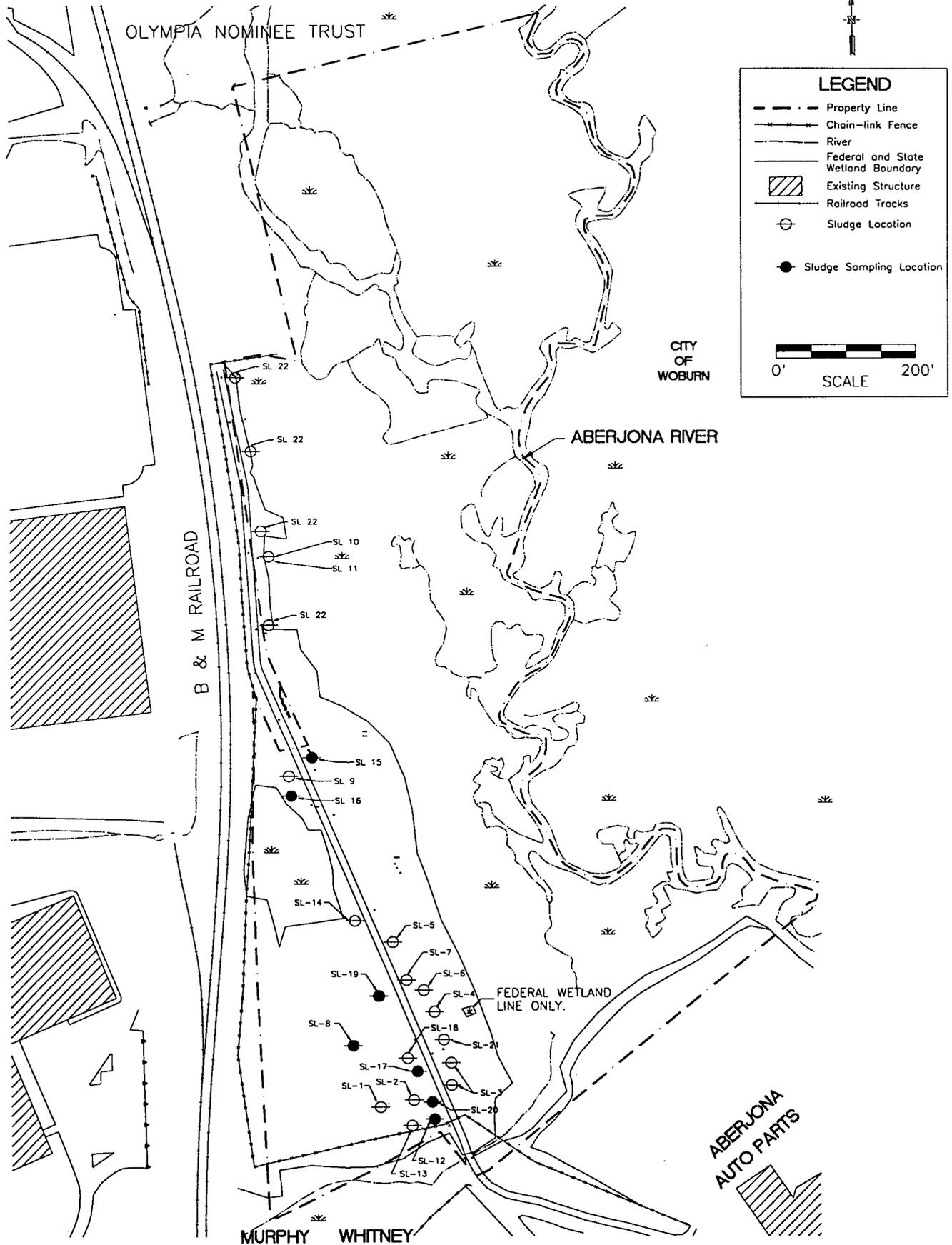
Debris Soil A

Table C-1
Debris Soil A Inventory

Container #	Contents
1	Debris Pile 3
2	Debris Piles 1 & 2
3	Debris Pile 4
4	Debris Piles 4 & 15
5	Debris Pile 5
6	Debris Pile 3
7	Debris Piles 8 & 10
8	Debris Pile 5
9	Debris Pile 4
10	Debris Piles 10 & 11
11	Debris Pile 5
12	Debris Pile 1
13	Debris Piles 2 & 3 and Sludge Locations 17, 18, 20, & 21
14	Sludge Location 19
15	Sludge Location 19
16	Sludge Location 19

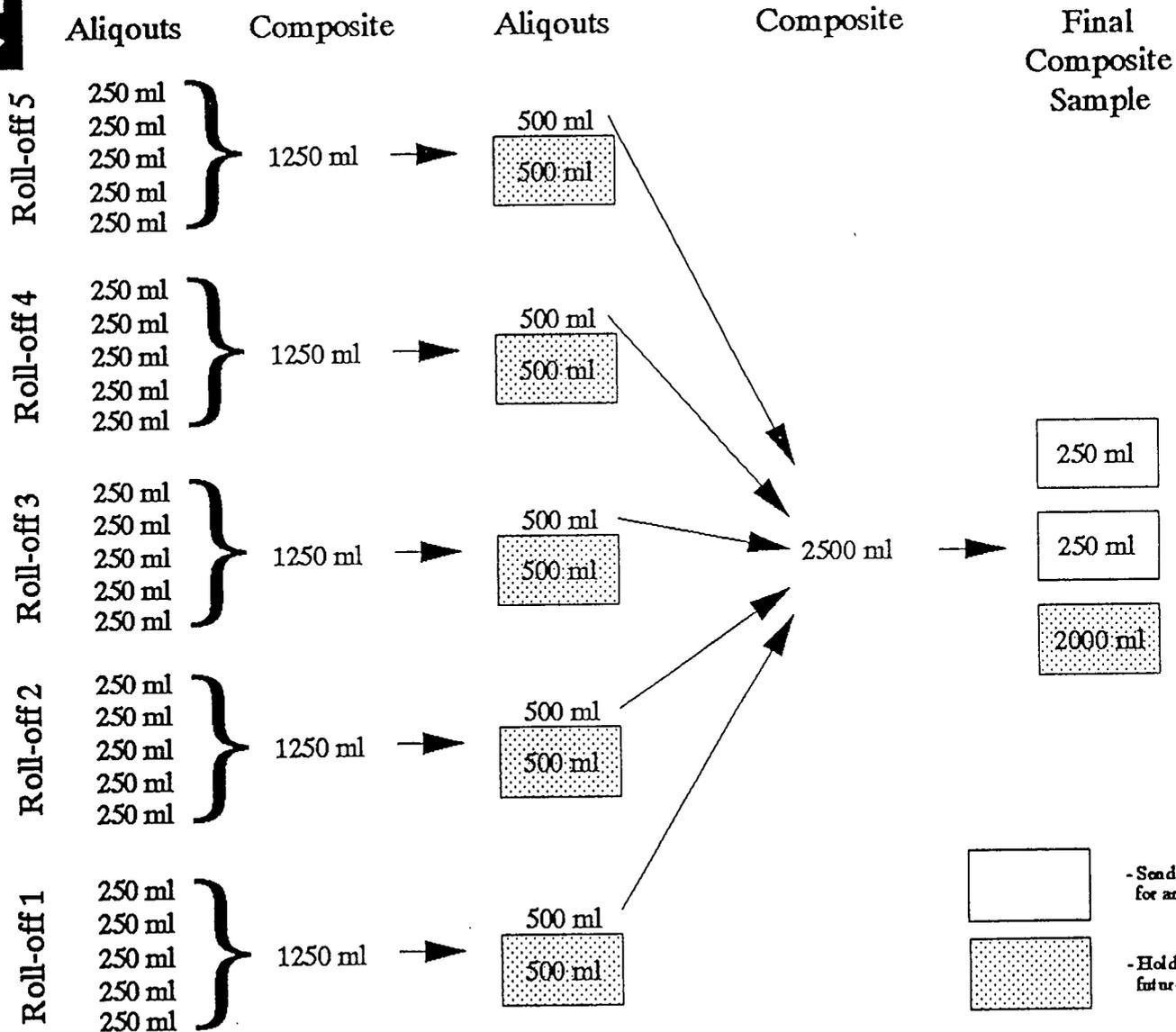
Note:

Containers 1 through 13 were 20 cyd rolloff boxes. Containers 14 through 16 were 4 cyd dumpsters.



REVISED SLUDGE LOCATION MAP

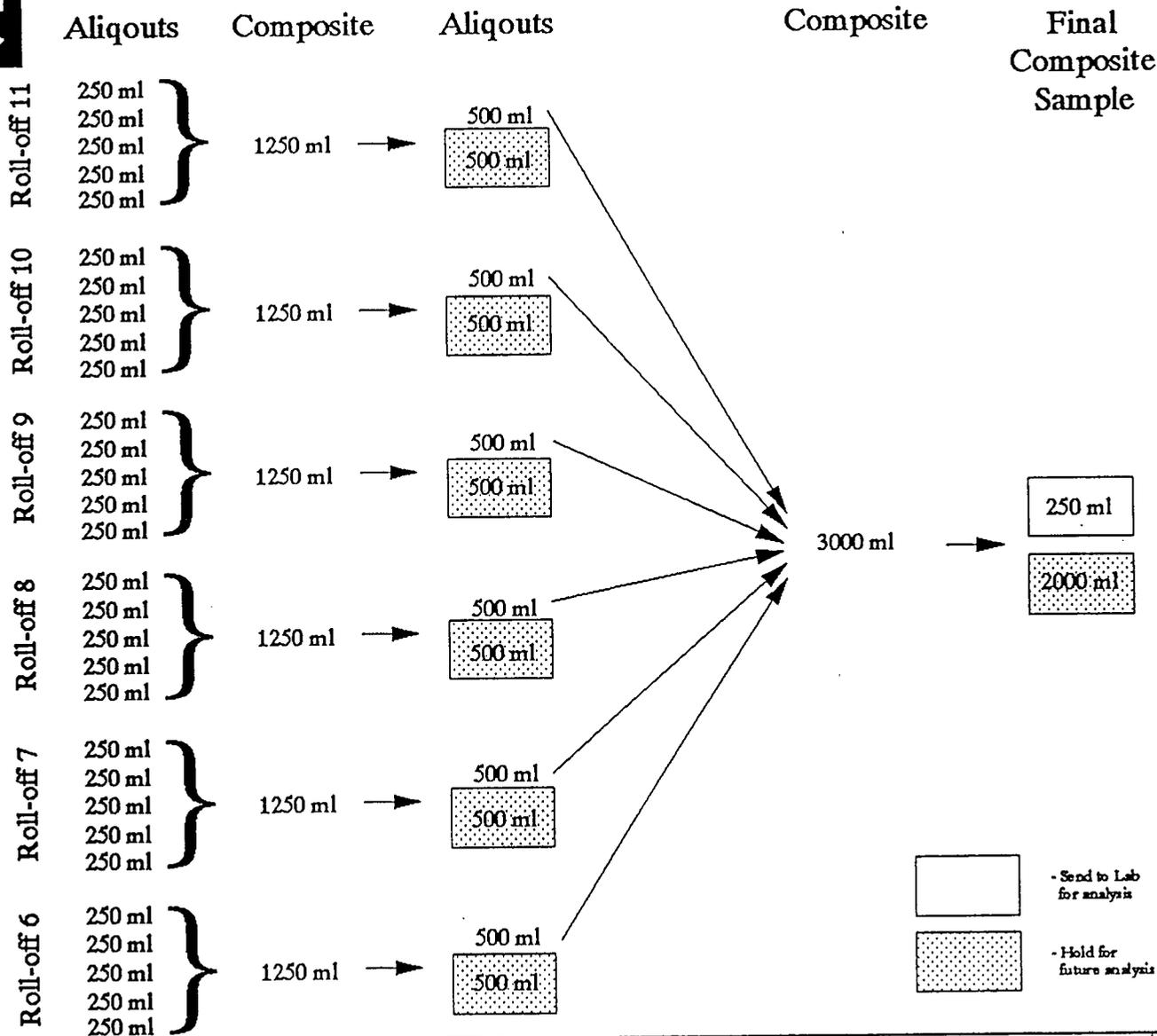
RELIEC



Sampling Program for Group A

FIGURE 1

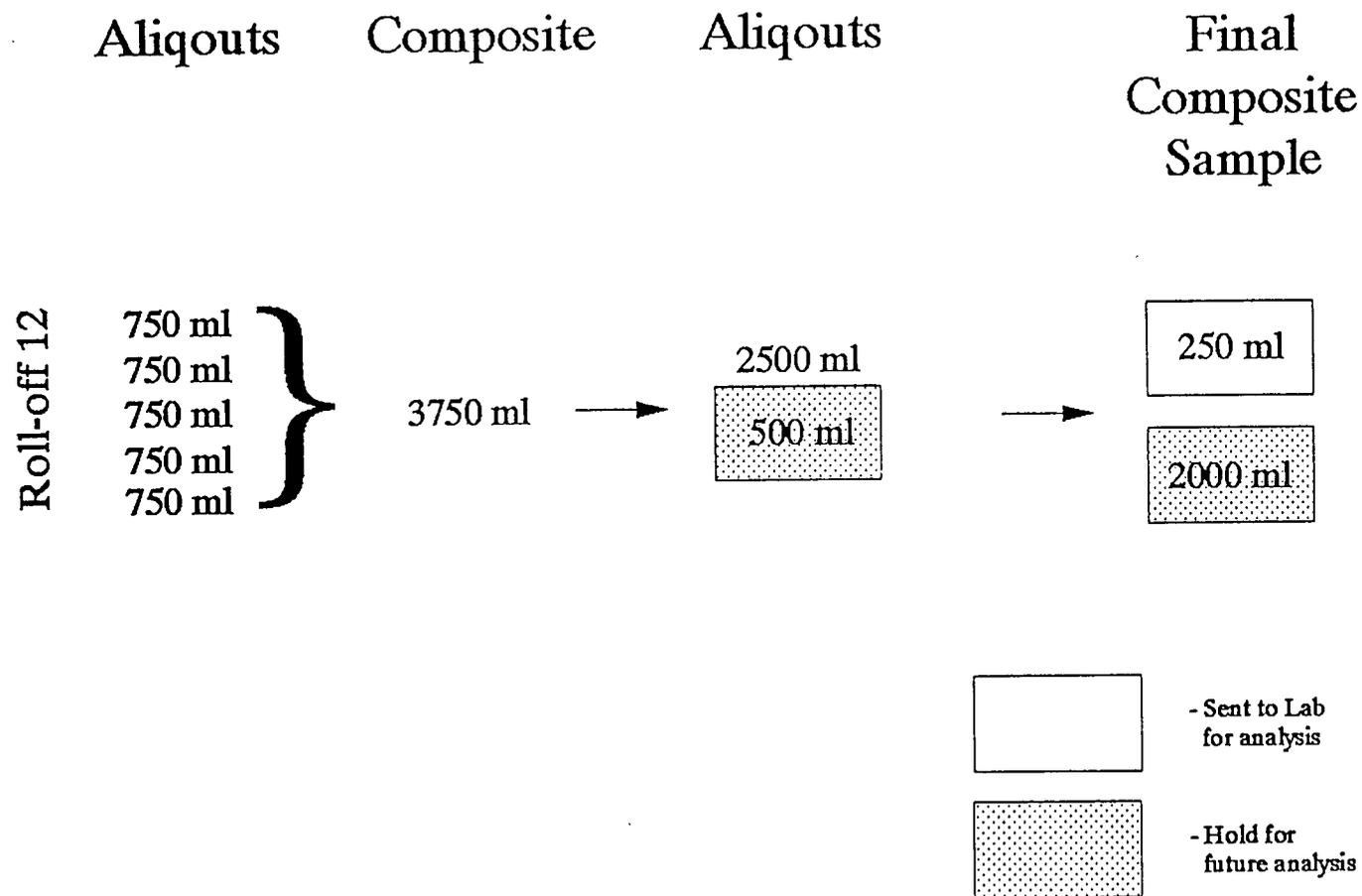
RELIEC



Sampling Program for Group B

FIGURE
2

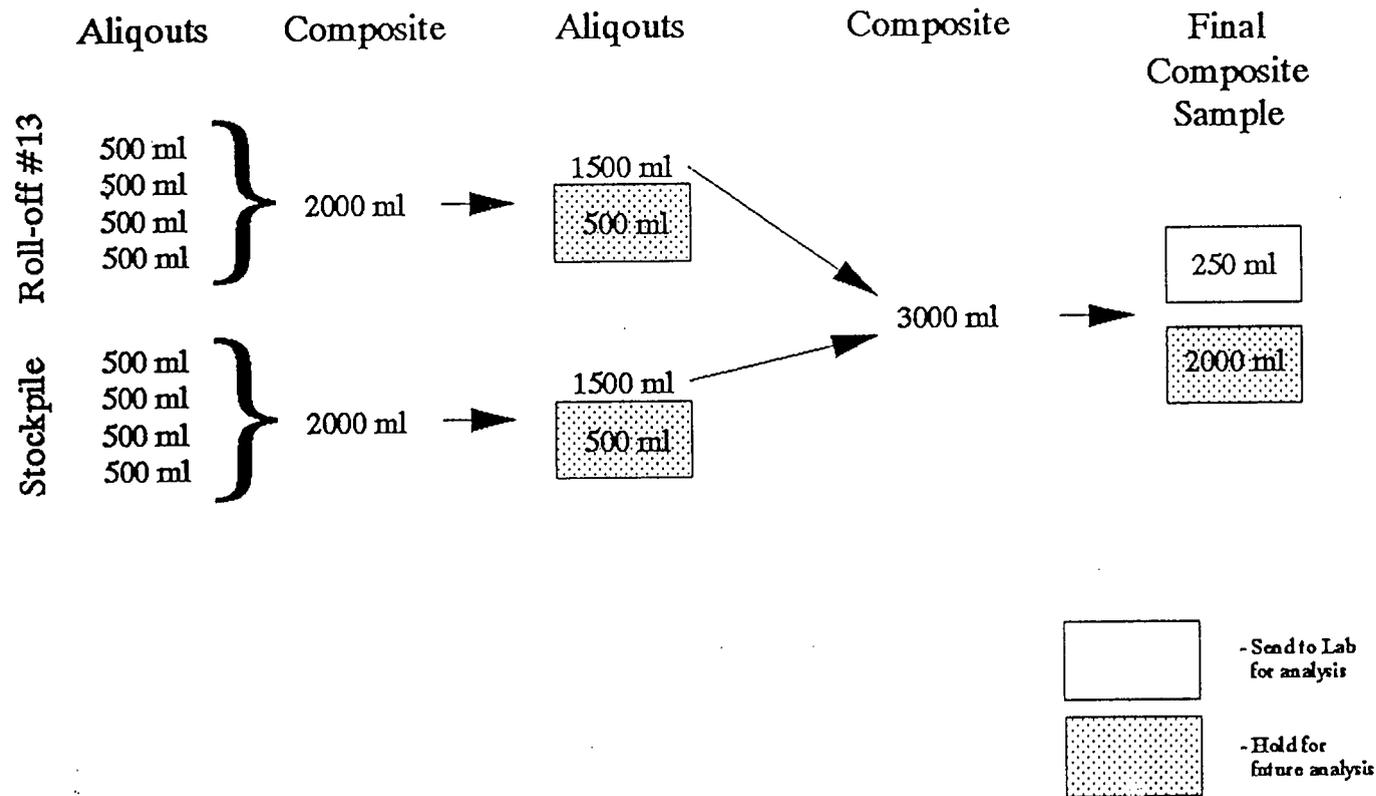
RELEC



Sampling Program for Group C

FIGURE
3

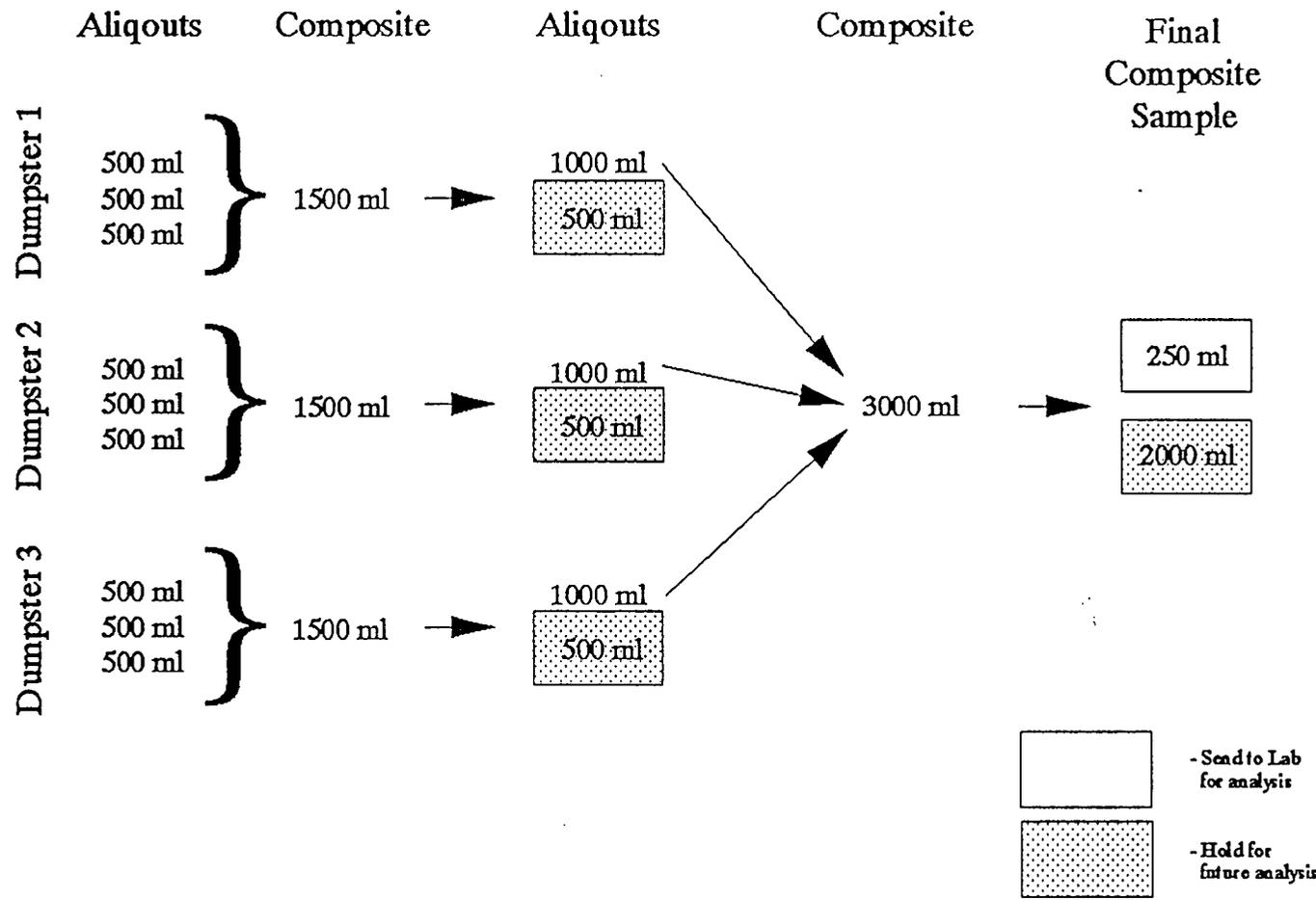
REL/EC



Sampling Program for Group D

FIGURE
4

REL/EC



Sampling Program for Group E

FIGURE 5

WASTE EVALUATION REQUEST
BFI to complete this area.

 BFI Initiator _____
 Location _____
 Company Number _____ Date _____
 Telephone Number () _____
 Action Requested: New Waste Approval
 Up-Date Approval Priority
 Other _____

 Previous Laboratory Number _____
 Management Method Requested: Landfill Hauling
 Other _____
 Disposal Site Requested _____
 Company Number _____ P.O. Number _____
 Analyses Requested: TCLP RCI
 Other _____
 Analyses To Follow: TCLP Other _____

WASTE CHARACTERIZATION DATA

Special Waste

IMPORTANT: THIS FORM IS TO BE COMPLETED BY A REPRESENTATIVE OF THE WASTE GENERATOR. PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS FORM. THIS FORM IS TO BE USED ONLY ONE TIME, AND MUST BE TYPEWRITTEN OR LEGIBLY PRINTED IN INK, AND SIGNED.
1. GENERATOR INFORMATION

 a) Generator's Name: Beatrice Foods Inc
 b) Generating Facility Address: 248 Rear Salem St
 City: Woburn State: MA Zip: _____
 c) Company Representative: Andrew Gates
 Title: Environmental Engineer / RETEC
 d) Emergency Contact: James Greacen
 Title: Project Manager / RETEC
 e) Local Registration No. NA
 Generator's EPA Id. No. NA
 f) Telephone No. () 371-1422
 After Hours No. () 287-0185
 Emergency No. () 371-1422
2. GENERAL WASTE STREAM INFORMATION

 a) Description of The Waste: Construction Debris and Soils Contaminated with PCBs
 b) Process Generating Waste: Excavation and Removal of construction debris and soils
 c) Is this a treatment residue of a waste which was previously a restricted characteristically hazardous waste? Yes No
 d) Is this a "Hazardous Waste" as defined by State or local Regulations? Yes No
 If yes, enter the Waste Identification Number if one has been assigned: NA
 e) Is this a "Special Waste", an "Industrial Process Waste", or a "Pollution Control Waste" as defined by State or local Regulations?
 Yes No If yes, enter Waste Identification Number: NA
 f) Recommended personal protection equipment and special handling procedures: Level D
 g) Anticipated Volume: 450 cubic yards Gallons Tons Cubic Yards Other _____
 Per: Day Week Month Year One Time, or Other _____
 To be transported in: Bulk Drums (type/size) _____ Other _____
 h) Is a representative sample included? Yes No - If yes, complete the RSC found on the reverse side.

3. WASTE PROPERTIES @ 72°F

 a) Physical State:
 Solid Semi-solid
 Powder Liquid
 Combination _____
 b) Odor:
 Describe None
 None Mild Strong
 c) Flash Point, °F:
 ≤72 73-100 101-140
 141-200 ≥201 N/A N/D
 d) Layers:
 Single Phase Bi-layered Multi-layered
 e) Density Range: _____ to _____
 N/D lbs./gal. g/cc.
 lbs./yd.³ Other ND
 f) Color(s):
 Describe Brown
 g) pH:
 ≤2.0 2.1-5.0 5.1-9.0
 9.1-12.4 ≥12.5 N/A N/D

4. REACTIVITY

 Note if the waste exhibits any of the following reactive properties:
 Water Reactive Alkaline Reactive Pyrophoric Thermally Sensitive
 Acid Reactive Autopolymerizable Explosive Shock Sensitive None of the above

5. THIS WASTE CONTAINS

Note if the waste contains any of the following:

- | | | | |
|---------------------------------------|-------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------|
| <input type="checkbox"/> Free Liquids | <input type="checkbox"/> Dioxins | <input type="checkbox"/> Etiological Agents | <input type="checkbox"/> Radioactive Materials |
| <input type="checkbox"/> Free Cyanide | <input type="checkbox"/> Organic Solvents | <input type="checkbox"/> Pathogens | <input checked="" type="checkbox"/> PCBs not regulated by TSCA 40 CFR 761 |
| <input type="checkbox"/> Free Sulfide | <input type="checkbox"/> Used Oils | <input checked="" type="checkbox"/> OSHA Substances | <input type="checkbox"/> None of the above |
| <input type="checkbox"/> Free Ammonia | <input type="checkbox"/> Virgin Oils | <input type="checkbox"/> Biological Materials | |

If any of the above are checked "Yes", specify type (if applicable) and include its concentration as part of the waste composition, Section 6.

6. COMPLETE WASTE COMPOSITION

Concentration ranges are suggested, but total must equal 100%. Units must be identified and are to be in parts per million (ppm) and/or percentages (%). Attach additional pages if necessary.

Components	Range Min. / Max.	Components	Range Min. / Max.
Construction Debris and Soil	> 99.99%		
Leach	< 0.005%		
PCBs	< 0.005%		

7. TRANSPORTATION INFORMATION

If the waste is a DOT Hazardous Material, complete the following:

Proper USDOT Shipping Name: NA
 USDOT Hazard Class: _____ UN or NA Number: _____ CERCLA Reportable Quantity: _____

8. SUPPLEMENTAL INFORMATION

- None MSD Sheets Analytical Data Memo/Letter Waste Composition
 Other - describe _____ No. of Pages _____

9. GENERATOR'S CERTIFICATION

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exists, that all known or suspected hazards have been disclosed, and that the waste is not designated a Hazardous Waste by the USEPA or contains PCBs regulated by TSCA 40 CFR 761.

GENERATOR'S AUTHORIZED SIGNATORY:

4/28/93 Andrew Gates *Andrew Gates* Environmental Engineer AG
 DATE PRINT NAME SIGNATURE TITLE INITIALS

REPRESENTATIVE SAMPLE CERTIFICATE

This Section is to be completed by the person obtaining the sample of the above described waste, preferably a representative of the generator. DO NOT COLLECT OR SUBMIT SAMPLES THAT ARE RADIOACTIVE, SHOCK SENSITIVE, EXPLOSIVE, OR PYROPHORIC.

I certify that the sample identified below that is being forwarded to BFI for evaluation is representative of the waste described above. I also understand that, should the waste material described herein not be acceptable for management by BFI Waste Systems, the sample(s) may be returned to the generator.

Collector's Name: _____ (Peel Off Label)
 Signature: _____ Generator's Name: _____
 Company: _____ Waste Description: _____
 Title: _____ Date Collected: _____ WCD No. AA 83300
 Telephone Number: () _____ Date at BFI Lab: _____ BFI Lab No. _____

Sample Description

The following samples were submitted to New England Testing Laboratory on 28 JUNE 1993 and re-submitted on 28 JULY 1993:

"Wells G&H - Wildwood Property"

1. Group A
2. Group B
3. Group C
4. Group D
5. Group E
6. Group F
7. Group G
8. Group H

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0728-13

Request for Analysis

The following table details the analyses performed on the samples:

<u>Sample</u>	<u>Analysis</u>	<u>Method*</u>
D0728-13:		
1. Group A	TCLP Extraction	1311
2. Group B	Copper	6010
3. Group C	Nickel	6010
4. Group D		
5. Group E		
6. Group F		
7. Group G		
8. Group H		

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,
SW-846, USEPA.

Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

Case No. D0728-13

Group A

<u>Parameter</u>	<u>Result, mg/l</u>
TCLP Extractable:	
Copper	0.02
Nickel	0.02

Group B

<u>Parameter</u>	<u>Result, mg/l</u>
TCLP Extractable:	
Copper	0.14
Nickel	0.04

Group C

<u>Parameter</u>	<u>Result, mg/l</u>
TCLP Extractable:	
Copper	0.03
Nickel	0.05

Case No. D0728-13

Group D

<u>Parameter</u>	<u>Result, mg/l</u>
TCLP Extractable:	
Copper	<0.02
Nickel	<0.02

Group E

<u>Parameter</u>	<u>Result, mg/l</u>
TCLP Extractable:	
Copper	<0.02
Nickel	<0.02

Group F

<u>Parameter</u>	<u>Result, mg/l</u>
TCLP Extractable:	
Copper	0.07
Nickel	0.02

Case No. D0728-13

Group G

<u>Parameter</u>	<u>Result, mg/l</u>
TCLP Extractable:	
Copper	<0.02
Nickel	<0.02

Group H

<u>Parameter</u>	<u>Result, mg/l</u>
TCLP Extractable:	
Copper	0.03
Nickel	0.03

Sludge and Debris Soil
Characterization Report

REPORT OF ANALYTICAL RESULTS

Case Number: D0628-01

Prepared for:

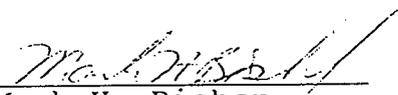
Remediation Technologies, Inc.
9 Pond Lane
Concord, MA 01742
Attn: Andy Gates

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 15 JULY 1993

Reviewed By:


Mark H. Bishop
Laboratory Director

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

Sample Description

The following samples were submitted to New England Testing Laboratory on 28 JUNE 1993:

"Wells G&H - Wildwood Property"

1. Group A
2. Group B
3. Group C
4. Group D
5. Group E
6. Group F
7. Group G
8. Group H

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0628-01

Request for Analysis

The following table details the analyses performed on the samples:

<u>Sample</u>	<u>Analysis</u>	<u>Method*</u>
D0628-01:		
1. Group A	Moisture	SW846
2. Group B	Ash	160.4
3. Group C	BTU's	D2382-76
4. Group D	Grain Size	D422
5. Group E		
6. Group F		
7. Group G		
8. Group H		
1. Group A	Total Petroleum	
2. Group B	Hydrocarbons	3550/8015
3. Group C	Total Halogens	E442
4. Group D		
5. Group E		

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,
SW-846, USEPA.

ASTM, Section 9 and Section 15

Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

Case No. D0628-01

Group A

<u>Parameter</u>	<u>Result</u> *
Grain Size	Attached
Moisture, %	26
Ash, %	66
BTU's/lb	<500
Total Halogens, mg/Kg	<0.01
Total Petroleum Hydrocarbons, mg/Kg	94

Group B

<u>Parameter</u>	<u>Result</u> *
Grain Size	Attached
Moisture, %	19
Ash, %	75
BTU's/lb	521
Total Halogens, mg/Kg	<0.01
Total Petroleum Hydrocarbons, mg/Kg	112

* Results reported on a Dry Weight Basis

Case No. D0628-01

Group C

<u>Parameter</u>	<u>Result</u> *
Grain Size	Attached
Moisture, %	23
Ash, %	71
BTU's/lb	596
Total Halogens, mg/Kg	0.03
Total Petroleum Hydrocarbons, mg/Kg	309

Group D

<u>Parameter</u>	<u>Result</u> *
Grain Size	Attached
Moisture, %	14
Ash, %	82
BTU's/lb	767
Total Halogens, mg/Kg	0.45
Total Petroleum Hydrocarbons, mg/Kg	700

* Results reported on Dry Weight Basis

Group E

<u>Parameter</u>	<u>Result</u> *
Grain Size	Attached
Moisture, %	23
Ash, %	67
BTU's/lb	777
Total Halogens, mg/Kg	<0.01
Total Petroleum Hydrocarbons, mg/Kg	156

Group F

<u>Parameter</u>	<u>Result</u> *
Grain Size	Attached
Moisture, %	7
Ash, %	26
BTU's/lb	7300

* Results reported on a Dry Weight Basis

Case No. D0628-01

Group G

<u>Parameter</u>	<u>Result</u> *
Grain Size	Attached
Moisture, %	5
Ash, %	82
BTU's/lb	2980

Group H

<u>Parameter</u>	<u>Result</u> *
Grain Size	Attached
Moisture, %	16
Ash, %	58
BTU's/lb	6240

* Results reported on a Dry Weight Basis

Thu Jul 15 09:43:11 1993

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01
Project No. : CTX-375
Boring No. : ---
Sample No. : Group H
Location : ---
Soil Description : Silt, trace of car, some organics with sand
Remarks : *** SEE NOTE 1

Filename : GROUPH
Elevation : ---
Tested by : kck
Checked by : gut

Sieve Mesh	Sieve Openings		FINE SIEVE SET		Percent Finer (%)
	Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	1.04	1.04	96
#4	0.187	4.75	4.12	5.16	80
#10	0.079	2.00	4.66	9.82	62
#20	0.033	0.84	3.44	13.26	49
#40	0.017	0.42	2.50	15.76	39
#60	0.010	0.25	3.56	19.32	25
#100	0.006	0.15	1.50	20.82	19
#200	0.003	0.07	0.14	20.96	19
Pan			12.77	33.73	0

Total Dry Weight of Sample = 33.73

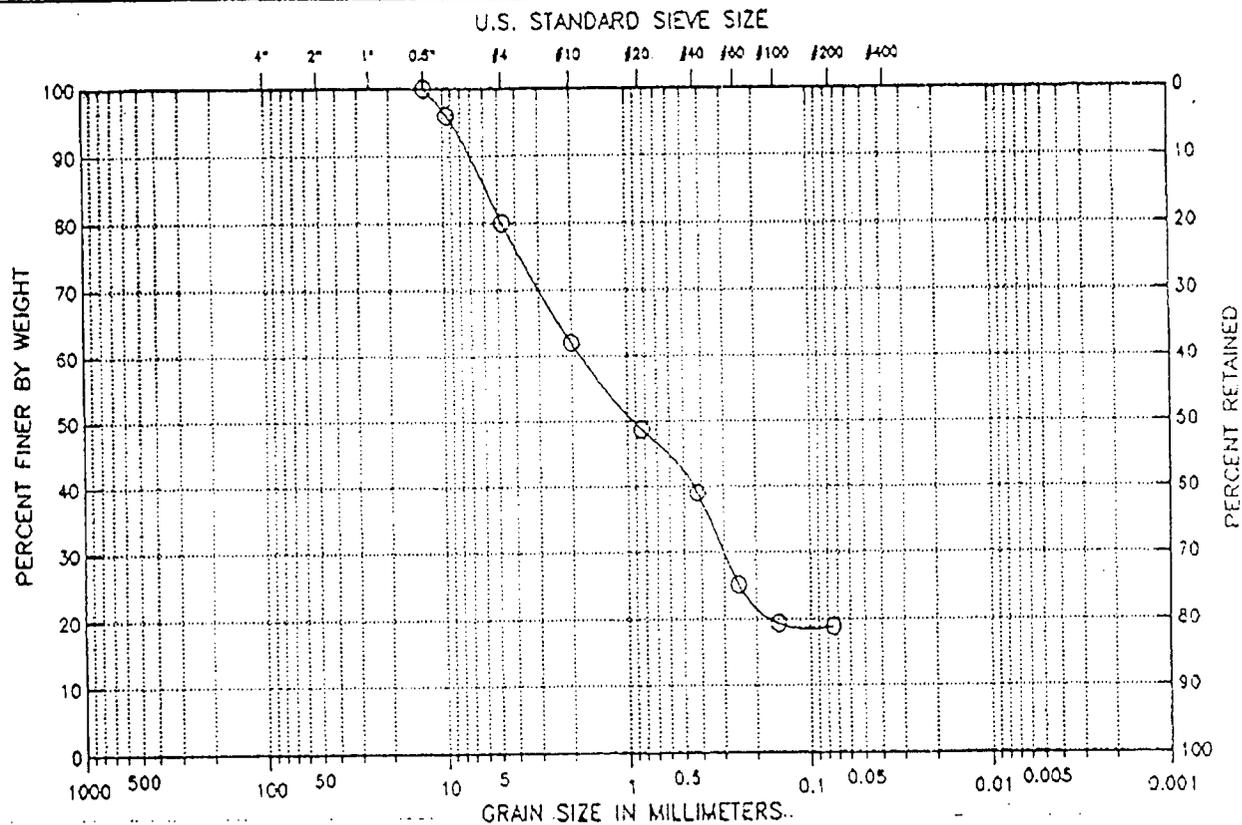
D85 : 5.8988 mm
D60 : 1.7581 mm
D50 : 0.9173 mm
D30 : 0.2995 mm
D15 : N/A
D10 : N/A

Soil Classification

ASTM Group Symbol : SM
ASTM Group Name : Silty sand with gravel
AASHTO Group Symbol : A-1-b(0)
AASHTO Group Name : Stone Fragments, Gravel and Sand

Boring No. : ---
 Sample No: Group H
 Tested by : krk
 Filename : GROUHP

Project : D0628-01
 Project No.: GTX-375
 Location: ---
 Date : Thu Jul 15 1993



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :
 (2M) Silty sand with gravel
 Visual Description :
 SILT, trace of tar, some organics with sand

Remarks :
 *** SEE NOTE 1

Figure 2

JUL 15 1993 10:27

Thu Jul 15 09:43:08 1993

Page : 1

GEOTECHNICAL LABORATORY TEST DATA

Project : 00628-01
 Project No. : GTX-375
 Boring No. : ---
 Sample No. : Group A
 Location : ---
 Soil Description : Brown sand with organics (wood. fibers)
 Remarks : ---

Depth : ---
 Test Date : 7/9/93
 Test Method : ASTM D422

Filename : GROUPA
 Elevation : ---
 Tested by : krk
 Checked by : gcu

HYDROMETER

Hydrometer ID : hyl
 Weight of air-dried soil - 30.51 gm
 Specific Gravity - 2.65

Hydroscopic Moisture Content :
 Weight of Wet Soil - 0 gm
 Weight of Dry Soil - 0 gm
 Moisture Content - 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent finer (%)	Adjusted Particle Size
1.00	8.10	23.60	3.69	0.051	11	0.051
2.00	7.30	23.60	2.89	0.036	9	0.036
4.00	6.80	23.60	2.39	0.025	7	0.025
8.00	6.20	23.70	1.82	0.018	5	0.018
15.00	6.00	23.60	1.59	0.013	5	0.013
31.00	5.30	23.50	0.85	0.009	3	0.009
60.00	4.90	23.40	0.42	0.007	1	0.007

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Sieve Openings Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	1.20	1.20	96
#10	0.079	2.00	1.90	3.10	91
#20	0.033	0.84	3.43	6.53	81
#40	0.017	0.42	4.29	10.82	68
#60	0.010	0.25	6.84	17.66	48
#100	0.006	0.15	6.24	23.92	30
#200	0.003	0.07	2.97	26.89	21
Pan			14.68	41.57	0

Total Dry Weight of Sample = 41.57

- D85 : 1.2096 mm
- D60 : 0.3408 mm
- D50 : 0.2634 mm
- D30 : 0.1510 mm
- D15 : 0.0591 mm
- D10 : 0.0438 mm

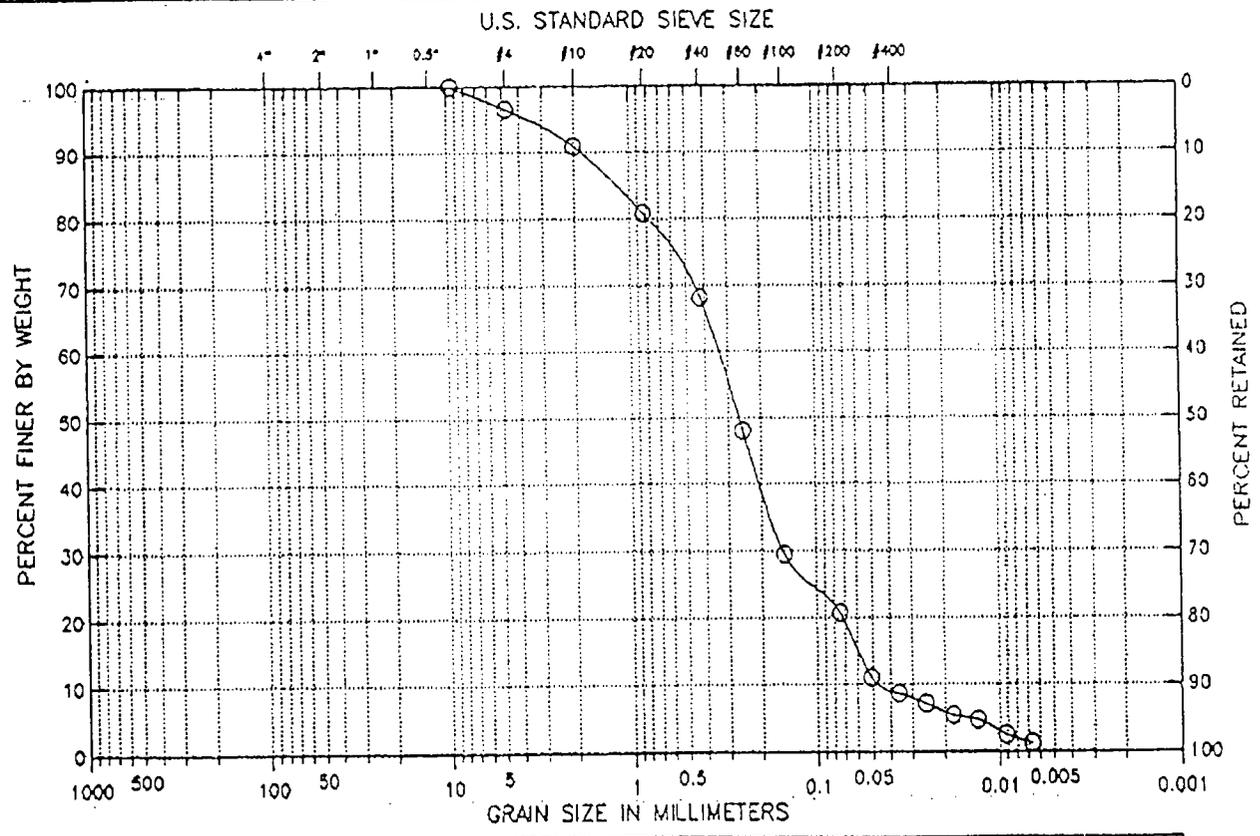
Soil Classification

ASTM Group Symbol : SM
 ASTM Group Name : Silty sand
 AASHTO Group Symbol : A-2-4(0)
 AASHTO Group Name : Silty Gravel and Sand

WIN 1/20/93
 10:00:00
 60:01 06. 51 7011

Boring No.: ---
 Sample No.: Group A
 Tested by : krk
 Filename : GROUPA

Project : 00628-01
 Project No.: GTX-375
 Location: ---
 Date : Thu Jul 15 1993



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification : (SM) Silty sand
 Visual Description : Brown sand with organics (wood, fibers)
 Remarks : ---

Figure 1

60:01 06. 51 7011

60:01

Thu Jul 15 09:43:21 1993

Page : 1

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01
 Project No. : GTX-375
 Soring No. : ---
 Sample No. : Group B
 Location : ---
 Soil Description : Dark brown sand with wood fibers and some glass
 Remarks : ---

Depth : ---
 Test Date : 7/9/93
 Test Method : ASTM D422

Filename : GROUPB
 Elevation : ---
 Tested by : krk
 Checked by : gtt

HYDROMETER

Hydrometer ID : hyl
 Weight of air-dried soil = 31.89 gm
 Specific Gravity = 2.65

Hydroscopic Moisture Content :
 Weight of Wet Soil = 0 gm
 Weight of Dry Soil = 0 gm
 Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	7.30	24.50	3.20	0.050	8	0.050
2.00	6.30	24.50	2.70	0.036	7	0.036
4.00	6.20	24.50	2.10	0.025	5	0.025
8.00	6.00	24.40	1.87	0.018	5	0.018
15.00	5.90	24.20	1.70	0.013	4	0.013
31.00	5.60	24.20	1.40	0.009	4	0.009

Sieve Mesh	Sieve Openings		FINE SIEVE SET		Percent Finer (%)
	Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	4.13	4.13	90
#10	0.079	2.00	3.68	7.81	81
#20	0.033	0.84	3.47	11.28	72
#40	0.017	0.42	4.35	15.66	61
#60	0.010	0.25	7.21	22.87	44
#100	0.006	0.15	6.75	29.62	27
#200	0.003	0.07	3.19	32.81	19
Pan			15.58	48.39	0

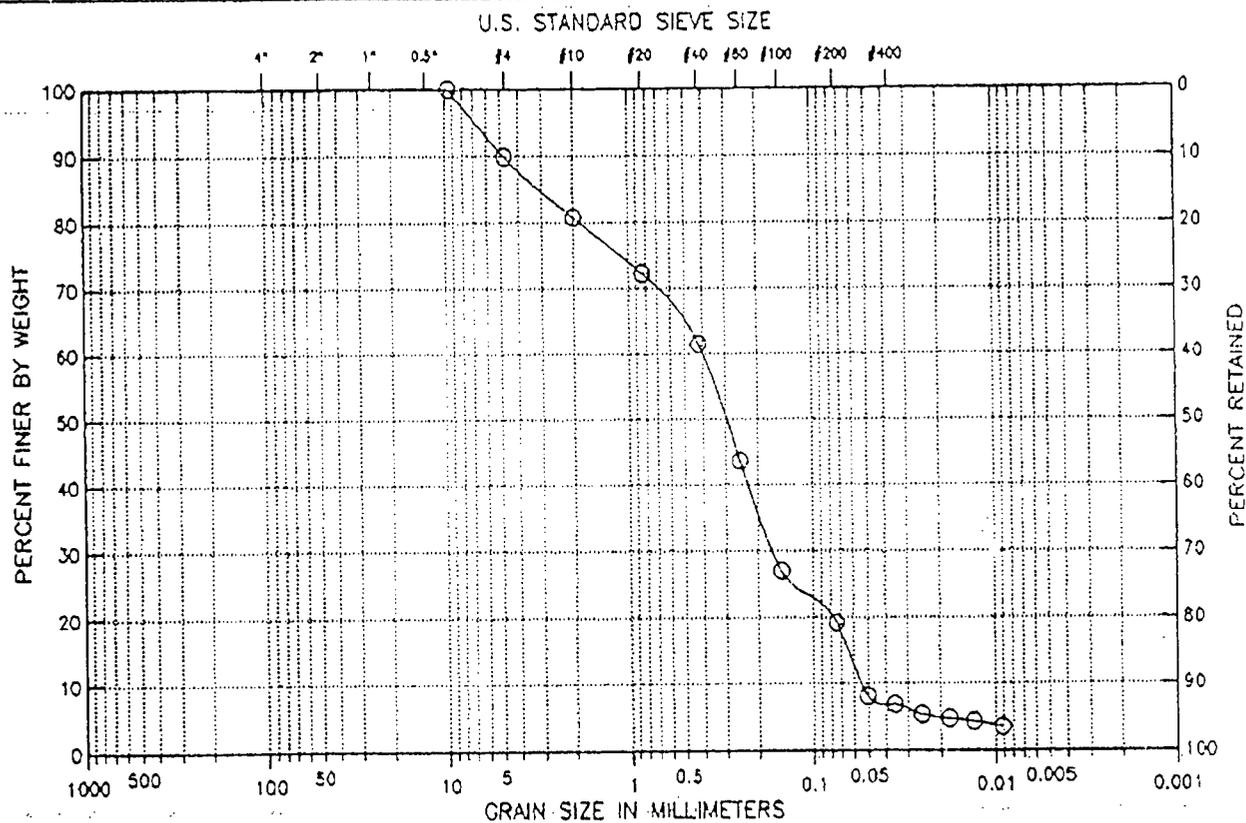
Total Dry Weight of Sample = 48.39

- D85 : 2.9965 mm
- D60 : 0.4028 mm
- D50 : 0.3008 mm
- D30 : 0.1634 mm
- D15 : 0.0639 mm
- D10 : 0.0537 mm

Soil Classification
 ASTM Group Symbol : SM
 ASTM Group Name : Silty sand
 AASHTO Group Symbol : A-2-4(0)
 AASHTO Group Name : Silty Gravel and Sand

Boring No. : ---
 Sample No: Group B
 Tested by : krk
 Filename : GROUPB

Project : 00628-01
 Project No.: GTX-375
 Location: ---
 Date : Thu Jul 15 1993



COBBLES	GRAVEL		SAND			SLT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :
 (SM) Silty sand
 Visual Description :
 Dark brown sand with wood fibers and some glass

Remarks :

Figure 6

Thu Jul 15 09:43:15 1993

Page : 1

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01
 Project No. : CIK-375
 Boring No. : ---
 Sample No. : Group C
 Location : ---
 Soil Description : Brown sand with some organics
 Remarks : ---

Depth : ---
 Test Date : 7/13/93
 Test Method : ASTM D422

Filename : GROOPC
 Elevation : ---
 Tested by : krk
 Checked by : gtt

HYDROMETER

Hydrometer ID : hyl
 Weight of air-dried soil = 37.8 gm
 Specific Gravity = 2.65

Hydroscopic Moisture Content :
 Weight of Wet Soil = 0 gm
 Weight of Dry Soil = 0 gm
 Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	8.20	24.60	4.14	0.050	10	0.050
2.00	7.20	24.60	3.14	0.036	8	0.036
4.00	6.80	24.60	2.74	0.025	7	0.025
8.00	6.10	24.50	2.00	0.018	5	0.018
15.00	5.90	24.40	1.77	0.013	4	0.013
30.00	5.50	24.30	1.33	0.009	3	0.009
60.00	4.30	24.30	0.13	0.007	0	0.007

FINE SIEVE SET

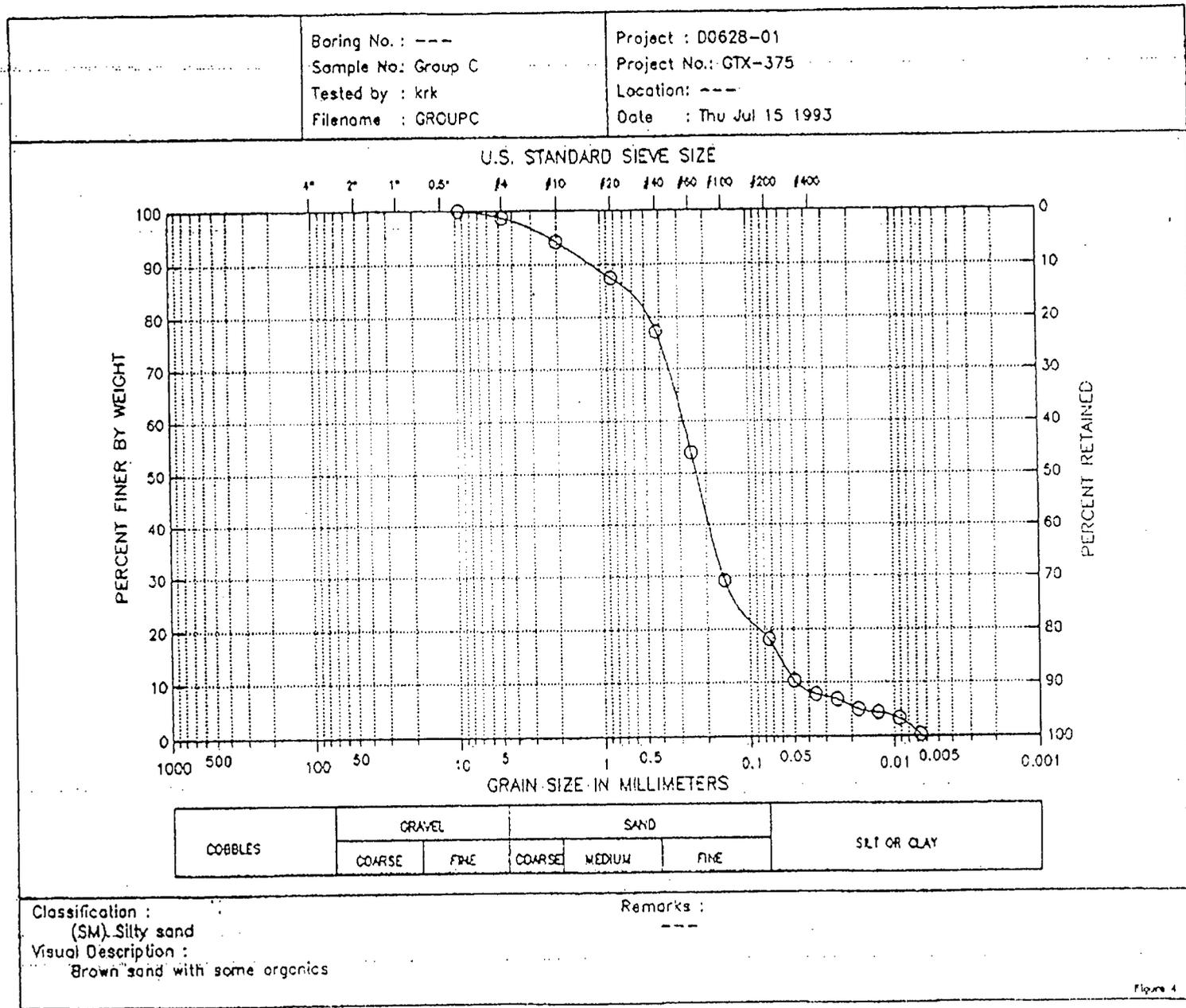
Sieve Mesh	Sieve Openings Inches	Sieve Openings Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.53	0.53	99
#10	0.079	2.00	1.80	2.33	94
#20	0.033	0.84	2.72	5.05	87
#40	0.017	0.42	4.12	9.17	77
#60	0.010	0.25	9.33	18.50	54
#100	0.006	0.15	9.94	29.44	29
#200	0.003	0.07	4.42	32.86	18
Pan			15.00	47.86	0

Total Dry Weight of Sample = 47.86

- D85 : 0.7139 mm
- D60 : 0.2863 mm
- D50 : 0.2303 mm
- D30 : 0.1516 mm
- D15 : 0.0632 mm
- D10 : 0.0478 mm

Soil Classification

ASTM Group Symbol : SM
 ASTM Group Name : Silty sand
 AASHTO Group Symbol : A-2-4(0)
 AASHTO Group Name : Silty Gravel and Sand



JUL 15 93 10:12

100

Figure 4

Thu Jul 15 09:43:23 1993

Page :

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01
 Project No. : GTX-375
 Boring No. : ---
 Sample No. : Group D
 Location : ---
 Soil Description : Dark brown sand
 Remarks : ---

Depth : ---
 Test Date : 7/9/93
 Test Method : ASTM D422

Filename : GROUPD
 Elevation : ---
 Tested by : krk
 Checked by : gtt

HYDROMETER

Hydrometer ID : hyl
 Weight of air-dried soil - 32.95 gm
 Specific Gravity - 2.65

Hydrosopic Moisture Content :
 Weight of Wet Soil - 0 gm
 Weight of Dry Soil - 0 gm
 Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	6.00	23.50	2.35	0.051	6	0.051
2.00	6.10	23.50	1.65	0.036	4	0.036
4.00	5.90	23.50	1.45	0.026	4	0.026
8.00	5.50	23.50	1.05	0.018	3	0.018
15.00	5.30	23.60	0.89	0.013	2	0.013
30.00	5.00	23.60	0.59	0.009	1	0.009

FINE SIEVE SET

Sieve Mesh	Sieve Opening Inches	Sieve Opening Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375"	0.374	9.51	2.02	2.02	95
#4	0.187	4.75	2.45	4.47	89
#10	0.079	2.00	2.73	7.20	82
#20	0.032	0.84	3.59	10.79	73
#40	0.017	0.42	4.05	15.64	61
#60	0.010	0.25	8.13	23.77	41
#100	0.006	0.15	6.83	30.60	24
#200	0.003	0.07	3.08	33.68	17
Pan			14.66	48.36	0

Total Dry Weight of Sample - 40.36

- D85 : 2.8647 mm
- D60 : 0.4059 mm
- D50 : 0.3136 mm
- D30 : 0.1773 mm
- D15 : 0.0698 mm
- D10 : 0.0587 mm

Soil Classification

ASTM Group Symbol : SM
 ASTM Group Name : Silty sand
 AASHTO Group Symbol : A-2-4(0)
 AASHTO Group Name : Silty Gravel and Sand

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Page : 1

GEOTECHNICAL LABORATORY TEST DATA

Project : D0629-01
 Project No. : GTX-375
 Boring No. : ---
 Sample No. : Group 3
 Location : ---
 Soil Description : Brown sand w/ twigs and wood fibers, oily deposits
 Remarks : ---

Depth : ---
 Test Date : 7/12/93
 Test Method : ASTM D422

Filename : GROUPE
 Elevation : ---
 Tested by : krk
 Checked by : att

HYDROMETER

Hydrometer ID : hyl
 Weight of air-dried soil = 31.52 gm
 Specific Gravity = 2.65

Hydroscopic Moisture Content :
 Weight of Wet Soil = 0 gm
 Weight of Dry Soil = 0 gm
 Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	7.70	23.50	3.25	0.051	10	0.051
2.00	7.00	23.50	2.55	0.036	7	0.036
4.00	6.50	23.50	2.05	0.026	6	0.026
8.00	6.10	23.60	1.69	0.018	5	0.018
15.00	5.80	23.60	1.39	0.013	4	0.013
30.00	5.20	23.60	0.79	0.009	2	0.009
60.00	4.80	23.60	0.30	0.007	1	0.007

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.62	0.62	98
#10	0.079	2.00	2.05	2.67	92
#20	0.033	0.84	2.24	4.91	85
#40	0.017	0.42	3.38	8.29	76
#60	0.010	0.25	7.68	15.97	53
#100	0.006	0.15	6.75	22.72	33
#200	0.003	0.07	2.48	25.20	26
Pan			16.57	41.77	0

Total Dry Weight of Sample = 41.77

- D85 : 0.8128 mm
- D60 : 0.2947 mm
- D50 : 0.2324 mm
- D30 : 0.1134 mm
- D15 : 0.0577 mm
- D10 : 0.0513 mm

Soil Classification

ASTM Group Symbol : SM
 ASTM Group Name : Silty sand
 AASHTO Group Symbol : A-2-4(0)
 AASHTO Group Name : Silty Gravel and Sand

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Page : 3

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01
 Project No. : GTX-375
 Boring No. : ---
 Sample No. : Group F
 Location : ---
 Soil Description : Silt with tar, burned for organics, 46.2% organics
 Remarks : *** SEE NOTE 1

File Name : GROUPF
 Elevation : ---
 Tested by : krk
 Checked by : gtt

Sieve Mesh	Sieve Openings		FINE SIEVE SET		Percent Finer (%)
	Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	
#4	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.27	0.27	99
#20	0.033	0.84	0.98	1.25	94
#40	0.017	0.42	2.72	3.97	82
#60	0.010	0.25	6.25	10.22	54
#100	0.006	0.15	4.98	15.20	32
#200	0.003	0.07	1.79	16.99	24
Pan			13.35	30.34	0

Total Dry Weight of Sample = 30.34

- D85 : 0.4908 mm
- D60 : 0.2776 mm
- D50 : 0.2258 mm
- D30 : 0.1235 mm
- D15 : N/A
- D10 : N/A

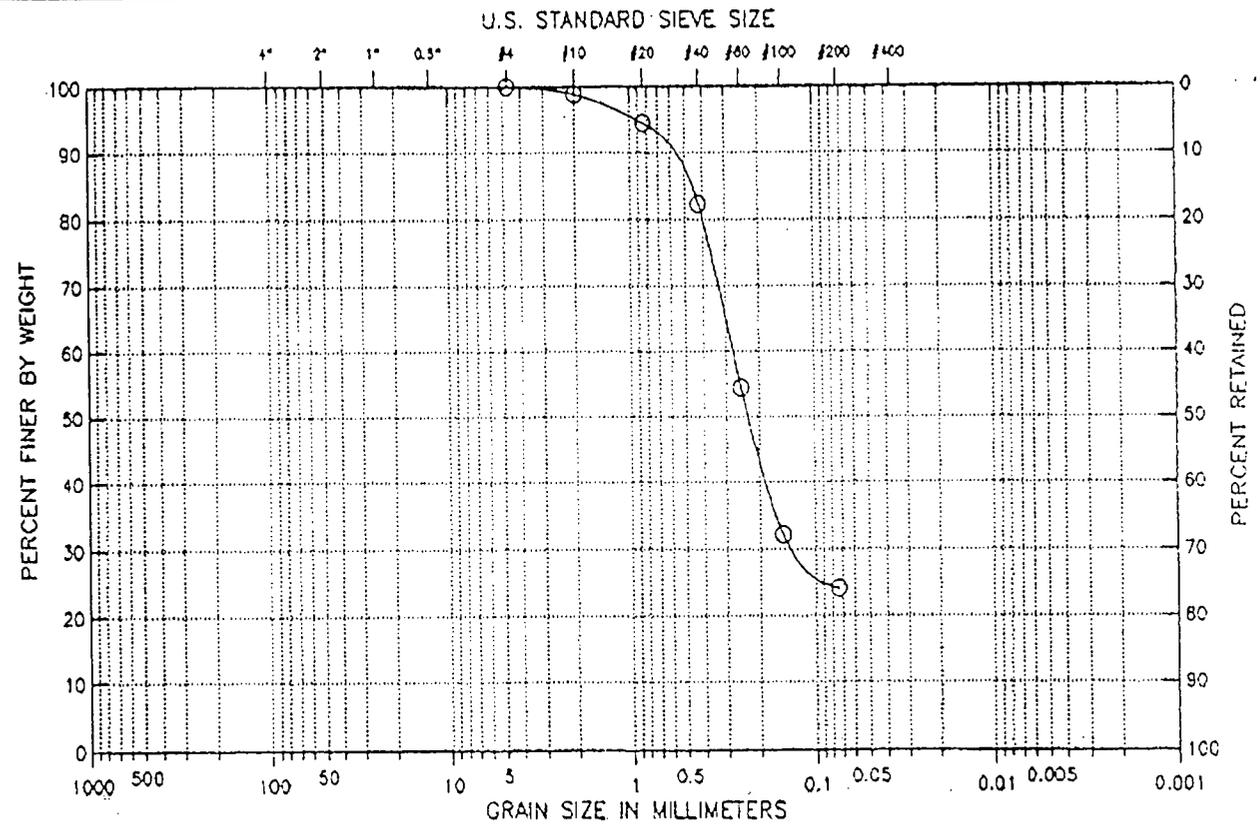
Soil Classification

ASTM Group Symbol : SM
 ASTM Group Name : Silty sand
 AASHTO Group Symbol : A-2-4(0)
 AASHTO Group Name : Silty Gravel and Sand

Group Name
 100g

Boring No. : ---
 Sample No: Group F
 Tested by : krk
 Filename : GROUPE

Project : D0628-01
 Project No.: GTX-375
 Location: ---
 Date : Thu Jul 15 1993



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :
 (SM) Silty sand
 Visual Description :
 Silt with tar, burned for organics, 46.2% organics

Remarks :
 *** SEE NOTE 1

Figure 1

JUL 15 '93 10:16

PT 11

Thu Jul 15 09:49:45 1993

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01
 Project No. : GTX-375
 boring No. : ---
 Sample No. : Group G
 Location : ---
 Soil Description : Silt with some sand
 Remarks : ---

Filename : GROUPG
 Elevation : ---
 Tested by : Aik
 Checked by : ytt

HYDROMETER

Hydrometer ID : hyl
 Weight of air-dried soil = 18.77 gm
 Specific Gravity = 2.65

Hydroscopic Moisture Content :
 Weight of Wet Soil = 0 gm
 Weight of Dry Soil = 0 gm
 Moisture Content = 0

Elapsed Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	4.00	28.70	1.26	0.049	6	0.049
2.00	3.80	28.70	1.06	0.035	5	0.035
4.00	3.50	28.70	0.76	0.024	4	0.024

FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Sieve Openings Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.25	0.25	99
#10	0.079	2.00	1.25	1.50	92
#20	0.033	0.84	1.55	3.05	83
#40	0.017	0.42	1.70	4.75	73
#60	0.010	0.25	2.44	7.19	59
#100	0.006	0.15	2.20	9.39	47
#200	0.003	0.07	0.99	10.38	41
Pan			15.28	25.66	0

Total Dry Weight of Sample = 25.66

- D85 : 1.0532 mm
- D60 : 0.2570 mm
- D50 : 0.1702 mm
- D30 : 0.0648 mm
- D15 : 0.0543 mm
- D10 : 0.0511 mm

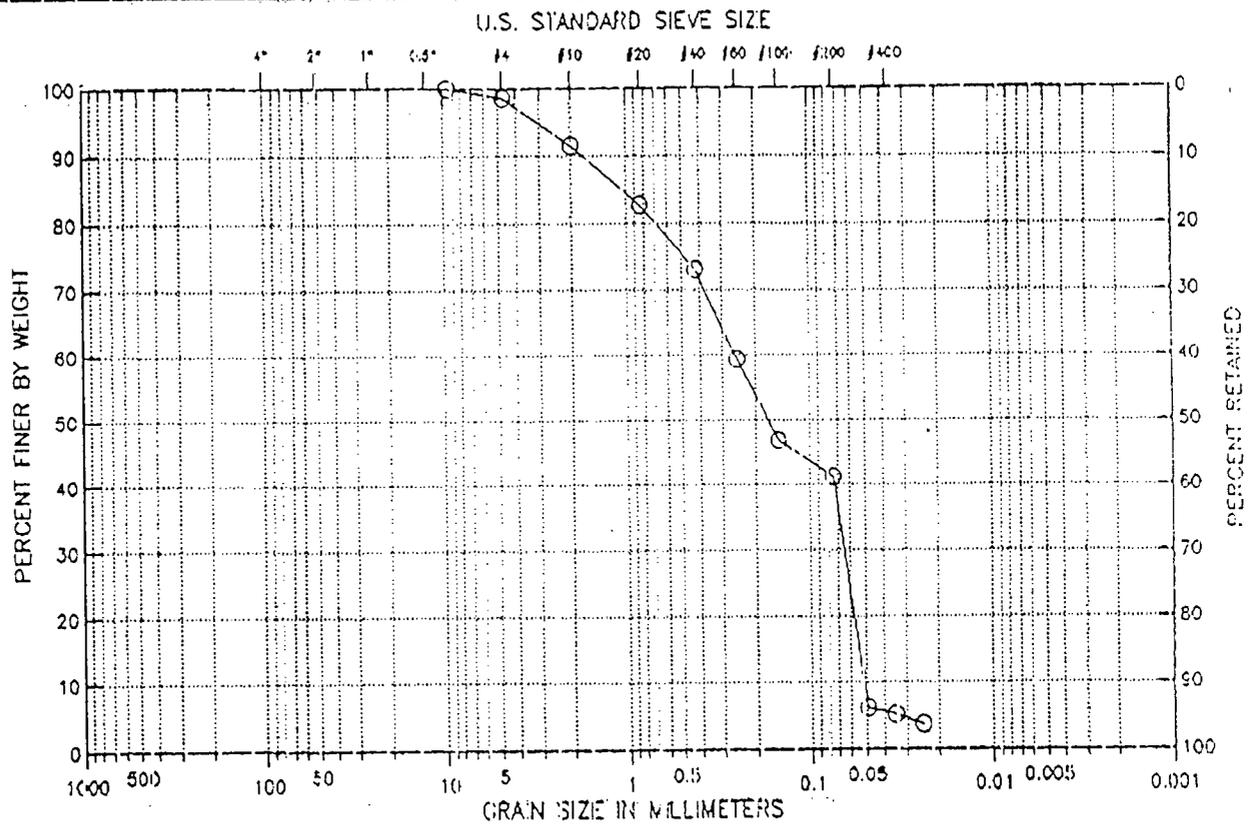
Soil Classification

ASTM Group Symbol : SM
 ASTM Group Name : Silty sand
 AASHTO Group Symbol : A-4(0)
 AASHTO Group Name : Silty Soils

100
 50
 10
 5
 1
 0.5
 0.1
 0.05
 0.01
 0.005
 0.001

Boring No. : ---
 Sample No: Group G
 Tested by : krl
 Filename : GROUPG

Project : D0628--01
 Project No.: GTX--375
 Location: ---
 Date : Thu Jul 15 1993



Classification :
 (SM) Silty sand
 Visual Description :
 Silt with some tar

Remarks :

Figure 1

100
 50
 10
 5
 1
 0.5
 0.1
 0.05
 0.01
 0.005
 0.001

100
 50
 10
 5
 1
 0.5
 0.1
 0.05
 0.01
 0.005
 0.001

CUSTODY RECORD

CHAIN OF CUSTODY RECORD

Doe 28-0

US EPA ARCHIVE DOCUMENT

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	TPH GC Total Hibernians D10 Content Ash Content Moisture Content Grain Size						REMARKS
SAMPLERS: (Signature)											
SAMPLE NO.	DATE	TIME	SAMPLE LOCATION								
Group A	2/5/93	-	Debris Soil Group A	1	X	X	X	X	X	X	Inert Under Work Area
Group B	2/9/93	5:00	Debris Soil Group B	1	X	X	X	X	X	X	
Group C	2/9/93	-	Debris Soil Group C	1	X	X	X	X	X	X	
Group D	2/7/93	-	Debris Soil Group D	1	X	X	X	X	X	X	
Group E	2/9/93	11:40	Debris Soil Group E	1	X	X	X	X	X	X	NETS - CONT
Group F	5/12/93	3:40	Sludge Group F	1			X	X	X	X	
Group G	5/12/93	10:25	Sludge Group G	1			X	X	X	X	Inert Under Work Area
Group H	5/12/93	3:20	Sludge Group H	1			X	X	X	X	
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Ced [Signature]		6/25/93 -		Shipped via Fed Ex							
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)	
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time					
				[Signature]		6/28/93					
REMARKS:											



REMEDATION TECHNOLOGIES
 Damonmill Square
 9 Pond Lane
 Concord, MA 01742

REPORT OF ANALYTICAL RESULTS

Case Number: D0208-01

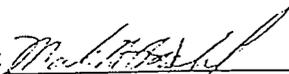
Prepared for:

Remediation Technologies, Inc.
9 Pond Lane
Concord, MA 01742
Attn: Andy Gaits

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 16 FEB 1993

Reviewed By: 

Mark H. Bishop
Laboratory Director

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

Sample Description

The following sample was submitted to New England Testing Laboratory on 8 FEBRUARY 1993:

"Wells G & H"

1. Grp. A Rolloff Boxes 1-5

The Custody record is included in this report. The sample was assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0208-01

Request for Analysis

The following table details the analyses performed on the sample:

<u>Sample</u>	<u>Analysis</u>	<u>Method*</u>
1. Grp. A Rolloff Boxes 1-5	Corrosivity-pH	9040
	Reactivity-CN	Section 7.3.3.2
	S	Section 7.3.4.1
	Ignitability	1010
	TCLP Extraction	1311
	TC Volatiles	8240
	TC Semivolatiles	8270
	Arsenic	7060
	Barium	6010
	Cadmium	6010
	Chromium	6010
	Lead	6010
	Mercury	7470
	Selenium	7740
	Silver	6010
	TC Pesticides	8080
TC Herbicides	8150	
PCB's	8080	

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,
SW-846, USEPA.

Quality Assurance/Control Statements

The sample was found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

The following quality control check samples were analyzed in parallel with the submitted samples:

TCLP Matrix Spike Analysis: Sample Grp. A Rolloff Boxes 1-5

TC METALS

	Fortification, mg/l	Result, mg/l	Recovery, %
Arsenic	0.200	0.212	106
Barium	2.00	2.60	95
Cadmium	2.00	2.03	102
Chromium	2.00	2.01	101
Lead	2.00	2.41	107
Mercury	0.005	0.0054	108
Selenium	0.200	0.215	108
Silver	2.00	2.05	103

TC VOLATILE ORGANIC COMPOUNDS

	Fortification, mg/l	Result, mg/l	Recovery, %
1,1-Dichloroethene	0.2	0.150	75
Trichloroethene	0.2	0.241	120
Benzene	0.2	0.221	110
Chlorobenzene	0.2	0.182	91
Carbon Tetrachloride	0.2	0.228	114
Chloroform	0.2	0.201	101
1,2-Dichloroethane	0.2	0.166	83
Methyl Ethyl Ketone	0.4	0.325	81
Tetrachloroethylene	0.2	0.240	120
Vinyl Chloride	0.2	0.252	126

TCLP Matrix Spike Analysis: Sample Grp. A Rolloff Boxes 1-5

TC SEMIVOLATILE ORGANIC COMPOUNDS

	Fortification, mg/l	Result, mg/l	Recovery, %
Hexachlorobenzene	0.156	0.109	70
Hexachloro-1,3-butadiene	0.156	0.112	72
Hexachloroethane	0.156	0.090	58
Nitrobenzene	0.164	0.117	71
Pyridine	0.160	0.214	134
2,4-Dinitrotoluene	0.160	0.146	91
1,4-Dichlorobenzene	0.152	0.109	72
o-Cresol	0.164	0.147	90
m-Cresol	0.348	0.221	64
p-Cresol	0.348	0.221	64
Pentachlorophenol	0.200	0.242	121
2,4,5-Trichlorophenol	0.156	0.125	80
2,4,6-Trichlorophenol	0.152	0.123	81

PESTICIDES/HERBICIDES

	Fortification, mg/l	Result, mg/l	Recovery, %
Lindane	0.125	0.075	60
Endrin	0.251	0.280	112
Heptachlor	0.125	0.066	53
Methoxychlor	1.25	0.866	69
2,4-D	2.5	2.07	83
2,4,5-TP Silvex	0.5	0.47	95

ANALYTICAL RESULTS

Case No. D0208-01

Grp. A Rolloff Boxes 1-5

<u>Parameter</u>	<u>Result, mg/Kg</u>
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.0
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: GRP. A Rolloff Boxes 1-5

Case No. D0208-01
Date Analyzed: 2/8/93

Subject: Pesticides and PCB's
Method: EPA 8080

<u>Compound</u>	<u>Concentration mg/Kg (ppm)</u>	<u>Reporting Limit</u>
Aldrin	N.D.	<0.1
alpha-BHC	N.D.	<0.1
beta-BHC	N.D.	<0.1
delta-BHC	N.D.	<0.1
gamma-BHC	N.D.	<0.1
Chlordane	90	<0.5
4,4'-DDD	N.D.	<0.1
4,4'-DDE	N.D.	<0.1
4,4'-DDT	N.D.	<0.1
Dieldrin	N.D.	<0.1
Endosulfan I	N.D.	<0.2
Endosulfan II	N.D.	<0.2
Endosulfan sulfate	N.D.	<0.2
Endrin	N.D.	<0.1
Endrin aldehyde	N.D.	<0.1
Heptachlor	N.D.	<0.1
Heptachlor epoxide	N.D.	<0.1
Methoxychlor	N.D.	<0.2
Toxaphene	N.D.	<0.5
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Sample: Grp. A Rolloff Boxes 1-5

Case No. D0208-01

Date TCLP Extracted: 2/8/93

Date Analyzed*: 2/10/93

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	0.70	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	0.28	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. A Rolloff Boxes 1-5

Case No. D0208-01

Date TCLP Extracted: 2/8/93

Date Analyzed: 2/11/93

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	95	88-110
1,2-Dichloroethane-d4	95	76-114
4-Bromofluorobenzene	103	86-115

Sample: Grp. A Rolloff Boxes 1-5

Case No. D0208-01

Date TCLP Extracted: 2/8/93
Date Prep Extracted: 2/11/93
Date Analyzed: 2/12/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

<u>Surrogates:</u>	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	90	35-114
2-Fluorobiphenyl	92	43-116
p-Terphenyl d14	112	33-141
Phenol d6	44	10-94
2-Fluorophenol	69	21-100
2,4,6-Tribromophenol	92	10-123

Sample: Grp. A Rolloff Boxes 1-5

Case No. D0208-01

Date TCLP Extracted: 2/8/93
Date Prep Extracted: 2/11/93
Date Analyzed: 2/12/93

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	0.004	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

CUSTODY RECORD

REPORT OF ANALYTICAL RESULTS

Case Number: D0210-05

Prepared for:

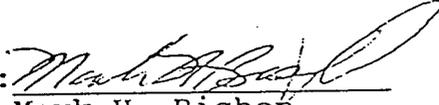
Remediation Technologies
Damonmill Square
9 Pond Lane
Concord, MA 01742
Attn: Andy Gaits

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 16 FEB 1993

Reviewed By:


Mark H. Bishop
Laboratory Director

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

Sample Description

The following samples were submitted to New England Testing Laboratory on 10 FEBRUARY 1993:

"Wells G & H"

1. Grp. B Rolloff Boxes 6-11
2. Grp. C Rolloff Box 12
3. Grp. D Rolloff Box 13 & Stockpiled soil
4. Grp. E Dumpster 14,15,16

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0210-05

Request for Analysis

The following table details the analyses performed on the samples:

<u>Sample</u>	<u>Analysis</u>	<u>Method*</u>
1. Grp. B	Reactivity	
2. Grp. C	Cyanide	7.3.3.2
3. Grp. D	Sulfide	7.3.4.1
4. Grp. E	Corrosivity-pH	9040
	Ignitability	1010
	PCB's	8080
	TCLP Extraction	1311
	TC Volatiles	8240
	TC Semivolatiles	8270
	Arsenic	7060
	Barium	6010
	Cadmium	6010
	Chromium	6010
	Lead	6010
	Mercury	7470
	Selenium	7740
	Silver	6010
	Pesticides	8080
	Herbicides	8150

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,
SW-846, USEPA.

Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

Case No. D0210-05

Grp. B Rolloff Boxes 6-11

<u>Parameter</u>	<u>Result, mg/Kg</u>
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	7.6
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached.

Sample: Grp. B Rolloff Boxes 6-11

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed*: 2/11/93

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	0.94	100.0
Cadmium	0.20	1.0
Chromium	<0.05	5.0
Lead	0.62	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. B Rolloff Boxes 6-11

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed: 2/16/93

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	89	88-110
1,2-Dichloroethane-d4	96	76-114
4-Bromofluorobenzene	96	86-115

Sample: Grp. B Rolloff Boxes 6-11

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. B Rolloff Boxes 6-11

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	92	35-114
2-Fluorobiphenyl	95	43-116
p-Terphenyl d14	120	33-141
Phenol d6	45	10-94
2-Fluorophenol	68	21-100
2,4,6-Tribromophenol	97	10-123

Sample: Grp. B

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

<u>Compound</u>	<u>Concentration</u> <u>mg/Kg (ppm)</u>	<u>Reporting</u> <u>Limit</u>
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	*	<0.5
PCB-1260	*	<0.5

Comment: This sample contains chlordane at 60 mg/Kg

* Note: This sample exhibits an ECD component profile which does not match - but may be considered consistent with a 1254/1260 Aroclor. When quantified as a 1254 Aroclor the level is approximately 28 mg/Kg.

Case No. D0210-05

Grp. C Rolloff Box 12

<u>Parameter</u>	<u>Result, mg/Kg</u>
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	7.1
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: Grp. C Rolloff Box 12

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed*: 2/11/93

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	1.02	100.0
Cadmium	0.10	1.0
Chromium	<0.05	5.0
Lead	0.29	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. C Rolloff Box 12

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed: 2/16/93

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

<u>Surrogates:</u>	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	88	88-110
1,2-Dichloroethane-d4	97	76-114
4-Bromofluorobenzene	103	86-115

Sample: Grp. C Rolloff Box 12

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. C Rolloff Box 12

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	80	35-114
2-Fluorobiphenyl	87	43-116
p-Terphenyl d14	91	33-141
Phenol d6	45	10-94
2-Fluorophenol	69	21-100
2,4,6-Tribromophenol	107	10-123

Sample: Grp. C

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

<u>Compound</u>	<u>Concentration</u> <u>mg/Kg (ppm)</u>	<u>Reporting</u> <u>Limit</u>
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	25	<0.5

Comment: This sample contains chlordane at 46 mg/Kg

Case No. D0210-05

Grp. D Rolloff Box 13 & Stockpiled Soil

<u>Parameter</u>	<u>Result, mg/Kg</u>
Reactivity	
Sulfide	1.1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil
Date TCLP Extracted: 2/10/93
Date Analyzed*: 2/11/93

Case No. D0210-05

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	1.36	100.0
Cadmium	0.36	1.0
Chromium	0.27	5.0
Lead	0.66	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil
Date TCLP Extracted: 2/10/93
Date Analyzed: 2/10/93

Case No. D0210-05

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	91	88-110
1,2-Dichloroethane-d4	93	76-114
4-Bromofluorobenzene	102	86-115

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil
Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

Case No. D0210-05

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil
Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

Case No. D0210-05

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	82	35-114
2-Fluorobiphenyl	88	43-116
p-Terphenyl d14	85	33-141
Phenol d6	44	10-94
2-Fluorophenol	69	21-100
2,4,6-Tribromophenol	98	10-123

Sample: Grp. D

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

<u>Compound</u>	<u>Concentration mg/Kg (ppm)</u>	<u>Reporting Limit</u>
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Comment: This sample contains chlordane at 0.84 mg/Kg

Case No. D0210-05

Grp. E Dumpster 14,15,16

<u>Parameter</u>	<u>Result, mg/Kg</u>
Reactivity	
Sulfide	1.9
Cyanide	<0.3
Corrosivity	
pH, S.U.	4.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached.

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed*: 2/11/93

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	0.51	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	<0.2	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed: 2/16/93

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	92	88-110
1,2-Dichloroethane-d4	102	76-114
4-Bromofluorobenzene	110	86-115

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	80	35-114
2-Fluorobiphenyl	83	43-116
p-Terphenyl d14	98	33-141
Phenol d6	39	10-94
2-Fluorophenol	62	21-100
2,4,6-Tribromophenol	100	10-123

Sample: Grp. E

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

<u>Compound</u>	<u>Concentration</u> <u>mg/Kg (ppm)</u>	<u>Reporting</u> <u>Limit</u>
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Comment: This sample contains chlordane at 1.1 mg/Kg

CUSTODY RECORD

Attachment C-2

Debris Soil B

REPORT OF ANALYTICAL RESULTS

Case Number: D0817-05

Prepared for:

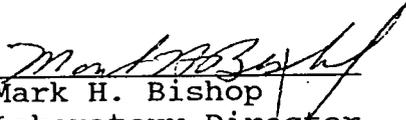
Remediation Technologies, Inc.
9 Pond Lane
Concord, MA 01742
Attn: Jamie Greacen

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 3 SEPT 1993

Reviewed By:


Mark H. Bishop
Laboratory Director

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

Sample Description

The following samples were submitted to New England Testing Laboratory on 17 AUG 1993:

"Wells G & H RD/RA"

1. #1 Debris Soil B
2. #2 Bas

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0817-05

Request for Analysis

The following table details the analyses performed on the samples:

<u>Sample</u>	<u>Analysis</u>	<u>Method*</u>	
D0817-05: 1. #1	Corrosivity-pH	9040	
	Reactivity-CN	Section 7.3.3.2	
	-S	Section 7.3.4.1	
	Ignitability	1010	
	Pesticides/PCB's	8080	
	Ash	209D	
	BTU's	D2382-76	
	Grain Size	D422	
	Moisture	EPA/CE 3-58	
	1. #1	TCLP Extraction	1311
2. #2	TC Volatiles	8240	
	TC Semivolatiles	8270	
	TC Pesticides	8080	
	TC Herbicides	8150	
	Arsenic	7060	
	Barium	6010	
	Cadmium	6010	
	Chromium	6010	
	Lead	6010	
	Mercury	7470	
	Selenium	7740	
	Silver	6010	
	2. #2	TCLP Extraction	1311
		Sulfide	376.2
Sulfite		377.1	
Sulfate		375.4	
Barium		6010	
Sulfide		9030	
Sulfate		9038	

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

Procedure for Handling and Chemical Analysis of Sediment and Water Samples, EPA/CE-81-1, US Army Engineer Waterways Experiment Station.

Standard Methods for the Examination of Water and Wastewater, 16 & 17th Edition, 1989, APHA, AWWA-WPCF.

Manual of Methods for Chemical Analysis of Water and Water Wastes, EPA-600/4-79-020 (Revised 1983), USEPA/EMSL.

Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

Case No. D0817-05

#1 Debris Soil B

<u>Parameter</u>	<u>Result, mg/Kg</u>
Ash, %	71
BTU's/lb	1850
Grain Size	Attached
Moisture, %	18
Reactivity	
Sulfide	<1.0
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.0
Ignitability, Deg. F	>200
Pesticides/PCB's	Attached
TCLP Extractables	Attached.

Sample: #1 Debris Soil B

Case No. D0817-05

Date TCLP Extracted: 8/22/93

Date Analyzed*: 8/23/93

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	0.59	100.0
Cadmium	0.16	1.0
Chromium	<0.05	5.0
Lead	0.46	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: #1 Debris Soil B

Case No. D0817-05

Date TCLP Extracted: 8/22/93

Date Analyzed: 8/29/93

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.05	0.5
Vinyl Chloride	<0.04	0.2

<u>Surrogates:</u>	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	88	88-110
1,2-Dichloroethane-d4	113	76-114
4-Bromofluorobenzene	99	86-115

Sample: #1 Debris Soil B

Case No. D0817-05

Date TCLP Extracted: 8/22/93

Date Prep Extracted: 8/24/93

Date Analyzed: 9/1/93

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: #1 Debris Soil B

Case No. D0817-05

Date TCLP Extracted: 8/22/93

Date Prep Extracted: 8/24/93

Date Analyzed: 8/25/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	47	35-114
2-Fluorobiphenyl	62	43-116
p-Terphenyl d14	67	33-141
Phenol d6	31	10-94
2-Fluorophenol	36	21-100
2,4,6-Tribromophenol	58	10-123

Sample: #1 Debris Soil B

Case No. D0817-05
Date Analyzed: 8/19/93

Subject: Pesticides and PCB's
Method: EPA 8080

<u>Compound</u>	<u>Concentration mg/Kg (ppm)</u>	<u>Reporting Limit</u>
Aldrin	N.D.	<0.1
alpha-BHC	N.D.	<0.1
beta-BHC	N.D.	<0.1
delta-BHC	N.D.	<0.1
gamma-BHC	N.D.	<0.1
Chlordane	8.2	<0.5
4,4'-DDD	N.D.	<0.1
4,4'-DDE	N.D.	<0.1
4,4'-DDT	4.6	<0.1
Dieldrin	N.D.	<0.1
Endosulfan I	N.D.	<0.2
Endosulfan II	N.D.	<0.2
Endosulfan sulfate	N.D.	<0.2
Endrin	N.D.	<0.1
Endrin aldehyde	N.D.	<0.1
Heptachlor	N.D.	<0.1
Heptachlor epoxide	N.D.	<0.1
Methoxychlor	N.D.	<0.2
Toxaphene	N.D.	<0.5
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5
PCB-1262	16	<0.5

GEOTECHNICAL LABORATORY TEST DATA

Project : Debris Soil B
 Project No. : GTX-413
 Boring No. : ---
 Sample No. : D0817-05
 Location : ---

Depth : ---
 Test Date : 9/3/93
 Test Method : ASTM D422

Filename : D081705
 Elevation : ---
 Tested by : cnr
 Checked by : gtt

Soil Description : Dark brown sand with some organics
 Remarks : Burned to remove organics before testing (13%)

Sieve Mesh	Sieve Openings		FINE SIEVE SET		Percent Finer (%)
	Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.26	0.26	97
#10	0.079	2.00	0.63	0.89	90
#20	0.033	0.84	1.07	1.96	77
#40	0.017	0.42	1.55	3.51	59
#60	0.010	0.25	1.96	5.47	36
#100	0.006	0.15	1.45	6.92	19
#200	0.003	0.07	0.57	7.49	12
Pan			4.67	12.16	0

Total Dry Weight of Sample = 12.16

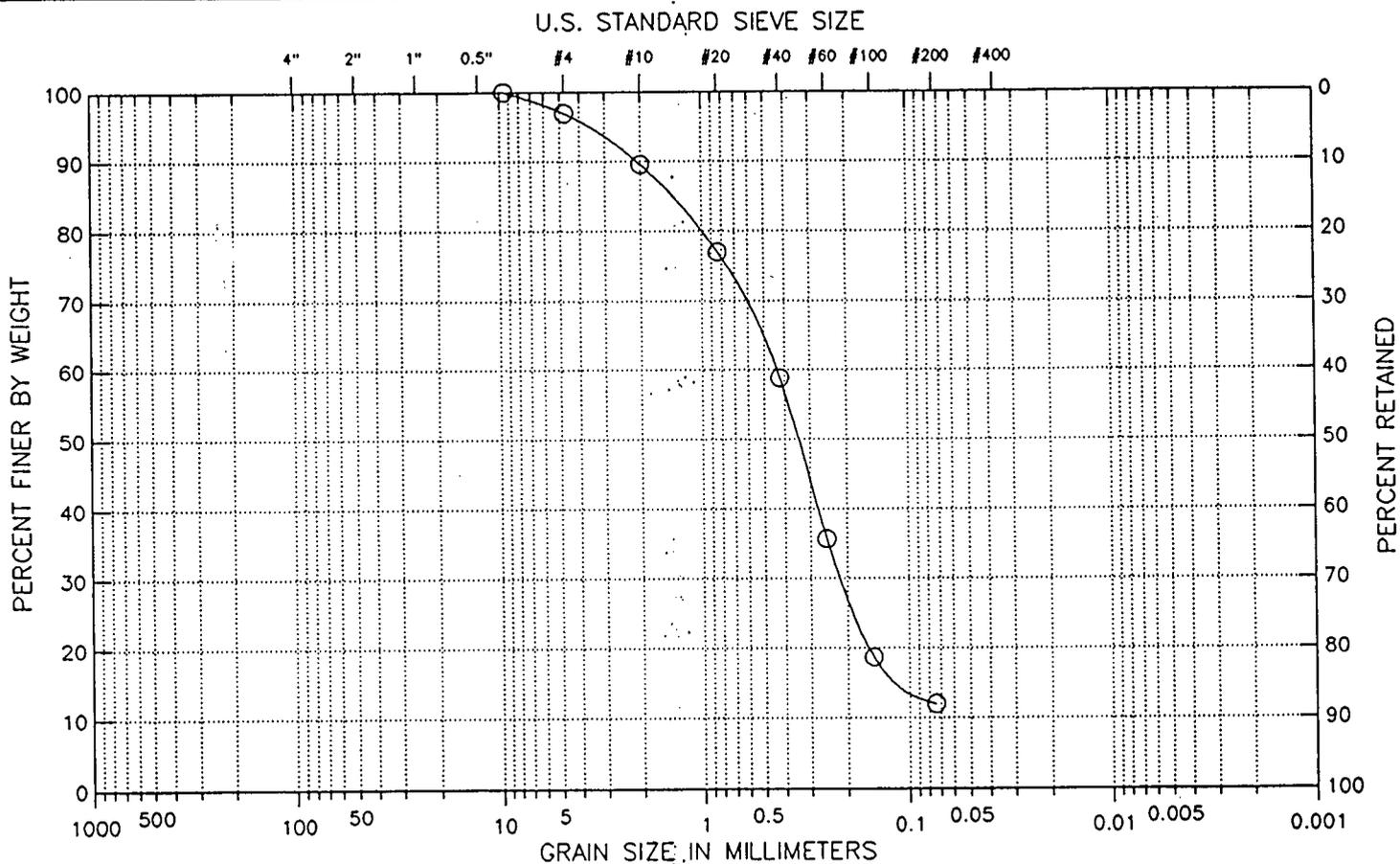
- D85 : 1.4626 mm
- D60 : 0.4404 mm
- D50 : 0.3448 mm
- D30 : 0.2101 mm
- D15 : 0.1014 mm
- D10 : 0.0601 mm

Soil Classification

ASTM Group Symbol : N/A
 ASTM Group Name : N/A
 AASHTO Group Symbol : A-2-4(0)
 AASHTO Group Name : Silty Gravel and Sand

Boring No. : ---
 Sample No: D0817-05
 Tested by : cnr
 Filename : D081705

Project : Debris Soil B
 Project No.: GTX-413
 Location: ---
 Date : Tue Sep 07 1993



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :

Visual Description :
 Dark brown sand with some organics

Remarks :
 Burned to remove organics before testing (13%)

Figure 1

CUSTODY RECORD

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
 North Providence, RI 02904

D0817-05

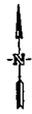
CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME				NO. OF CONTAINERS	TESTS						REMARKS
3-0947-00		Wells G+H RO/RA					Disposal Characterization EPA 8080 TCLP - Cu, Pb, Zn Subsite - Full Subsite - TC + Total Subsite - TC + Total Total Ba						
CLIENT						STATION LOCATION	DATE	TIME	COMP	GRAH	NO. OF CONTAINERS	TESTS	REMARKS
RETSC													
SAMPLE I.D.	DATE	TIME	COMP	GRAH	STATION LOCATION	NO. OF CONTAINERS	TESTS	TESTS	TESTS	TESTS	TESTS	TESTS	REMARKS
1	8-16-93	4pm	x		Debris Piles 6, 7, 9, 13, & Earth Debris Soil B	2	✓	✓	✓				As per verbal discussions. First analysis EPA 8080, subsequent analyses subject to results of EPA 8080
2	8-16-93	4pm	x		Test Pits near wells 7 and 12 BaS	2	✓	✓	✓	✓	✓	✓	Add subsite, sulfide, and sulfate to the leachate analyte list
Relinquished by: (Signature)						Date/Time	Received by: (Signature)	Relinquished by: (Signature)		Date/Time	Received by: (Signature)		
Tom R. Gracian						8-16-93 5pm	Ed Ex						
Relinquished by: (Signature)						Date/Time	Received by: (Signature)	Relinquished by: (Signature)		Date/Time	Received by: (Signature)		
Relinquished by: (Signature)						Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks				
							Amma Moulas	8/17/93	* AJA BTU Again Size MUST - TCRACH				

US EPA ARCHIVE DOCUMENT

APPENDIX D

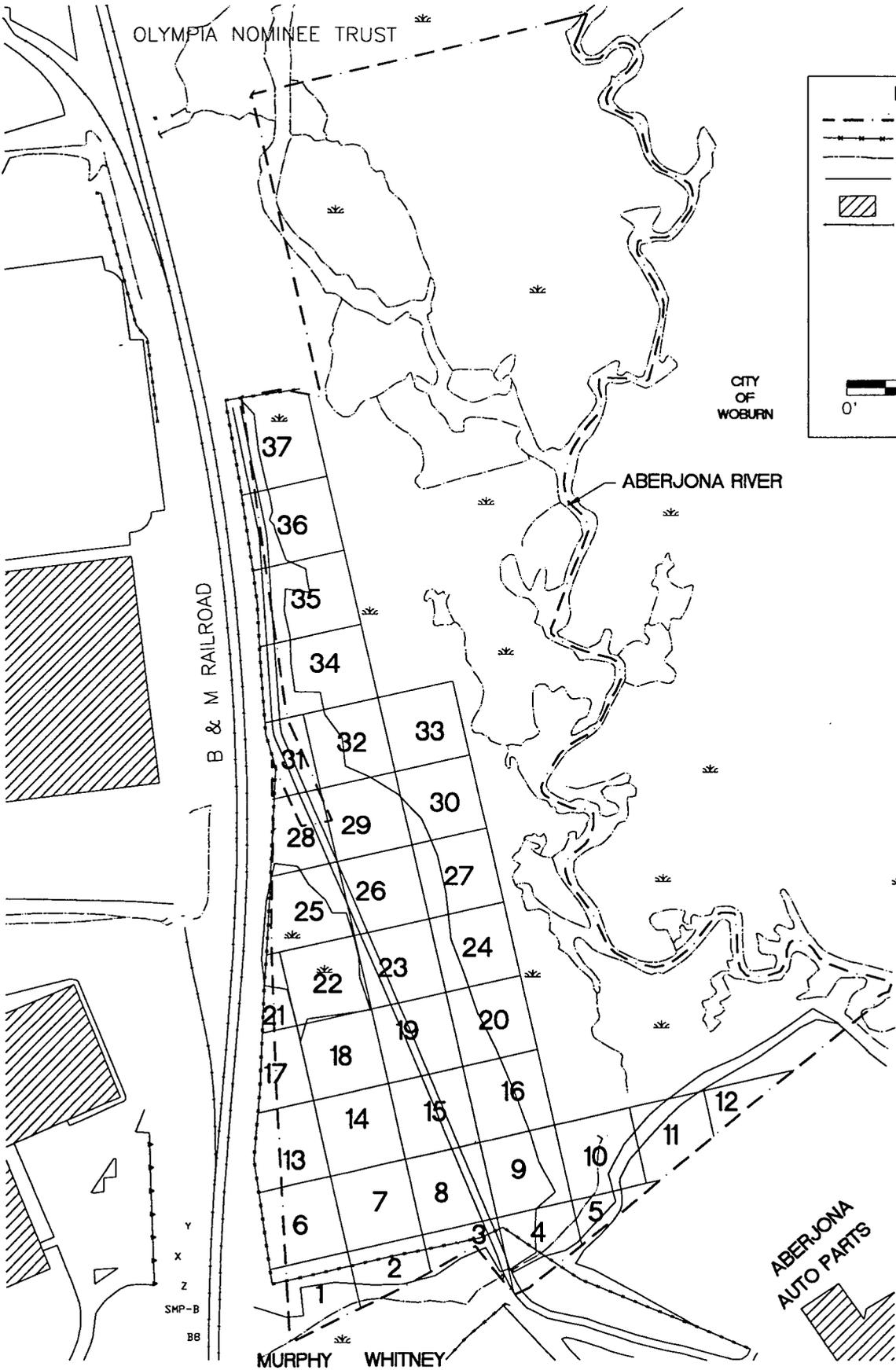
MISCELLANEOUS DEBRIS



LEGEND

- Property Line
- - - Chain-link Fence
- ~ River
- Federal and State Wetland Boundary
- [Hatched Box] Existing Structure
- Railroad Tracks

0' SCALE 200'



SITE GRID

TABLE D-1
Drum Inventory
 Wildwood Property
 Wells G & H Superfund Site

Grid Cell #	Drum Labeled	PID/OVA (ppm)	Description
3	3-1	0.2	rusted, crushed, contained plastic debris
	3-2	0.4	crushed
4	4-1	0.3	rusted open
	4-2	0.3	mostly deteriorated
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
16	16-1	NM	1/2 deteriorated, 1/4 full of water
25	25-1	0.0	metal, rusted, open, 10-gal cardboard container within
	25-2	0.0	crushed flat, 1/3 deteriorated; contained soil, plastic, glass, debris
	25-3	0.0	rusted open; 1/2 filled w/water, leaves, rubbery brown sludge
	25-4	0.0	mostly intact, bung open, contents unknown
	25-5	0.0	drum w/ plastic liner, mostly intact, contained brown sludge
26	26-1	NM	open top, 1/3 full, glass, rubber hose, black sludge
	26-2	NM	open top, 1/3 full, glass, black sludge
28	28-1	0.0	rusted open; contained leaves, soil, sludge, 1/4 full
	28-2	6.0	30 gal, top rusted off, contents unknown
	28-3	0.8	rusted, crushed and full of plastic sheeting
	28-4	0.0	open top, rusted open, crushed; contains leaves
	28-5	0.0	open top, 1/2 full of leaves, mixed w/ plastic
	28-6	5.0	2/3 buried, largely deteriorated, surrounded by tar-like sludge
	28-7	0.0	open at bung, contents unknown
	28-8	7.0	badly rusted, 1/3 full yellow-brown powder
	28-9	0.0	open at bung, contents unknown
	28-10	0.0	open at bung, contents unknown
	28-11	0.0	open at bung, bulged middle
	28-12	0.0	open at bung
	28-13	3.0	rusted open; 1/4 full of yellow powder
	28-14	0.0	open at side bung, bulged, yellow powder
	28-15	NM	rusted through, yellow powder
	28-16	0.0	crushed, open on top, 1/4 full of sludge, grease, gloves
31	31-1	0.0	crushed, largely deteriorated, brown soil, sludge, 1/4 full
	31-2	0.2	bung holes open, 1/8 full of unknown liquid
	31-3	0.0	open top, side rusted; empty
	31-4	0.0	open top, contains liquid, hose, and soil
	31-5	0.0	rusted open, open top; contains soil & organic matter
32	32-1	1.0	bulging, rusted open; no contents
34	34-1	0.0	rusted, split in half
	34-2	0.8	open top, half crushed
	34-3	0.0	open top; 2/3 full solid debris, rags, plastic, soil
	34-4	0.0	1/2 remanent; contains leaves, soda cans
	34-5	0.0	bottom rusted off, partially full of leaves & dirt
35	35-1	0.2	open top, crushed
	35-2	0.0	closed top, rusted open, no bungs

ATTACHMENT D-1

CONSTRUCTION DEBRIS



BROWNING-FERRIS INDUSTRIES

WCD No. AA 83213

BFI WASTE CODE

WASTE EVALUATION REQUEST

BFI to complete this area.

BFI Initiator
Location
Company Number
Date
Telephone Number
Action Requested: New Waste Approval, Up-Date Approval, Priority, Other

Previous Laboratory Number
Management Method Requested: Landfill, Hauling, Other
Disposal Site Requested
Company Number
P.O. Number
Analyses Requested: TCLP, RCI, Other
Analyses To Follow: TCLP, Other

WASTE CHARACTERIZATION DATA

Special Waste

IMPORTANT: THIS FORM IS TO BE COMPLETED BY A REPRESENTATIVE OF THE WASTE GENERATOR. PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS FORM. THIS FORM IS TO BE USED ONLY ONE TIME, AND MUST BE TYPEWRITTEN OR LEGIBLY PRINTED IN INK, AND SIGNED.

1. GENERATOR INFORMATION

a) Generator's Name: BEATRICE FOODS INC.
b) Generating Facility Address: 248 REAR SALEM ST.
City: LOBURN State: MA Zip:
c) Company Representative: ANDREW GATES
Title: ENVIRONMENTAL ENGINEER / RETEL
d) Emergency Contact: JAMES GRAEVEN
Title: PROJECT MANAGER / RETEL
e) Local Registration No. N/A
Generator's EPA Id. No. N/A
f) Telephone No. (SOB) 371-1422
After Hours No. (SOB) 287-0185
Emergency No. (SOB) 371-1422

2. GENERAL WASTE STREAM INFORMATION

a) Description of The Waste: CONSTRUCTION DEBRIS + TRASH CONTAMINATED WITH PCB'S
b) Process Generating Waste: EXCAVATION AND REMOVAL OF CONSTRUCTION DEBRIS + TRASH
c) Is this a treatment residue of a waste which was previously a restricted characteristically hazardous waste? No
d) Is this a "Hazardous Waste" as defined by State or local Regulations? No
e) Is this a "Special Waste", an "Industrial Process Waste", or a "Pollution Control Waste" as defined by State or local Regulations? No
f) Recommended personal protection equipment and special handling procedures: LEVEL D
g) Anticipated Volume: 250 Cubic Yards
h) Is a representative sample included? No

3. WASTE PROPERTIES @ 72°F

a) Physical State: Solid
b) Odor: NONE
c) Flash Point, °F: ≥201
d) Layers: Single Phase
e) Density Range: N/D
f) Color(s): MISCELLANEOUS
g) pH: 2.1-5.0, 5.1-9.0

4. REACTIVITY

Note if the waste exhibits any of the following reactive properties: Water Reactive, Acid Reactive, Alkaline Reactive, Autopolymerizable, Explosive, Pyrophoric, Shock Sensitive, Thermally Sensitive, None of the above

BFI WASTE CODE

5. THIS WASTE CONTAINS

Note if the waste contains any of the following:

- Free Liquids
- Free Cyanide
- Free Sulfide
- Free Ammonia
- Dioxins
- Organic Solvents
- Used Oils
- Virgin Oils
- Etiological Agents
- Pathogens
- OSHA Substances
- Biological Materials
- Radioactive Materials
- PCBs not regulated by TSCA 40 CFR 761
- None of the above

If any of the above are checked "Yes", specify type (if applicable) and include its concentration as part of the waste composition, Section 6.

6. COMPLETE WASTE COMPOSITION

Concentration ranges are suggested, but total must equal 100%. Units must be identified and are to be in parts per million (ppm) and/or percentages (%). Attach additional pages if necessary.

Components	Range Min. / Max.	Components	Range Min. / Max.
Construction debris + trash	> 99.99%		
LEAD	< .005%		
PCB's	< .005%		

7. TRANSPORTATION INFORMATION

If the waste is a DOT Hazardous Material, complete the following:

Proper USDOT Shipping Name: _____ N/A

USDOT Hazard Class: _____ UN or NA Number: _____ CERCLA Reportable Quantity: _____

8. SUPPLEMENTAL INFORMATION

- None
- MSD Sheets
- Analytical Data
- Memo/Letter
- Waste Composition
- Other - describe _____
- No. of Pages: 47

9. GENERATOR'S CERTIFICATION

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exists, that all known or suspected hazards have been disclosed, and that the waste is not designated a Hazardous Waste by the USEPA or contains PCBs regulated by TSCA 40 CFR 761.

GENERATOR'S AUTHORIZED SIGNATORY:

5-17-93 James R. Greason James R. Greason Agent for Beatrice

DATE PRINT NAME SIGNATURE TITLE INITIALS

REPRESENTATIVE SAMPLE CERTIFICATE

This Section is to be completed by the person obtaining the sample of the above described waste, preferably a representative of the generator. DO NOT COLLECT OR SUBMIT SAMPLES THAT ARE RADIOACTIVE, SHOCK SENSITIVE, EXPLOSIVE, OR PYROPHORIC.

I certify that the sample identified below that is being forwarded to BFI for evaluation is representative of the waste described above. I also understand that, should the waste material described herein not be acceptable for management by BFI Waste Systems, the sample(s) may be returned to the generator.

Collector's Name: _____ (Peel Off Label)

Signature: _____ Generator's Name: _____

Company: _____ Waste Description: _____

Title: _____ Date Collected: _____ WCD No. AA 83213

Telephone Number: () _____ Date at BFI Lab: _____ BFI Lab No. _____

ATTACHMENT D-2

DRUM CARCASSES



MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. [] DIS. [] REJ. [] PR. []

Required under authority of Act 64, P.A. 1979, as amended, and Act 136, P.A. 1989.

Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1989.

Form Approved. OMB No. 2050-0039 Expires 9-30-94

Use print or type.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **MI P 6 1 7 9 3 5 5 5 2 3 0 2 4 5 6** Manifest Document No. **02456**

2. Page 1 of 1 Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Wildwood Conservation Corporation care of RETEL

4. Generator's Phone (**508**) **371-1422**

5. Transporter 1 Company Name **Jeffrey Chemical Company**

6. US EPA ID Number **MI A D 0 8 0 0 3 0 3 5 6**

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Wayne Disposal Inc. 49350 No. I-94 Service Drive Belleville MI 48111

10. US EPA ID Number **MI I D 0 4 8 0 9 0 6 3 3**

A. State Manifest Document Number **MI 3102456**

B. State Generator's ID **MI 01801**

C. State Transporter's ID **MI 01742**

D. Transporter's Phone **508-657-7560**

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone **313-697-7830**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and HM)	12. Containers No.	13. Total Quantity	14. Unit (M/G)	1. Waste No.		2. H/M			
				3.	4.	5.	6.		
a. Non Hazardous Solid Not DOT, Not RCRA Regulated	6011	CM	00005	Y	N	B	C	S	N
b.									
c.									
d.									

J. Additional Descriptions for Materials Listed Above

11a. empty drums CODE 011794WA

K. Handling Codes for Wastes Listed Above

a/ 1
b/ 1
c/ 1
d/ 1

15. Special Handling Instructions and Additional Information **CERTIFICATE OF DISPOSAL REQUIRED. #1043735**

Emergency Contact: **JAMIC GREENE 508 371 1422**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **Paul Louche (Agent for Bestore)** Signature **[Signature]** Date **05/06/94**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name **James P. Fuller** Signature **[Signature]** Date **05/06/94**

18. Transporter 2 Acknowledgement or Receipt of Materials

Printed/Typed Name _____ Signature _____ Date _____

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name _____ Signature **[Signature]** Date **05/09/94**

TRANS-PORTER AT FACILITY



MANAGEMENT SERVICES, INCORPORATED

Certificate of Disposal

This certificate is to verify the wastes specified on Manifest # M13102456 have been properly disposed of in accordance with all local, state, and federal regulations. "Disposed of" means either: 1) Burial, or 2) Processed as defined in 40 CFR et seq.

Facility Name: Envotech Management Services

Address: 49350 North Service Drive
Belleville, Michigan 48111

Phone Number: (313)697-2200

EPA ID No.: MID 000 724 831

Should you have any questions or require additional information, please feel free to contact this office.

Very truly yours,

Envotech Management Services, Inc.

Signed:


(Authorized Signature)

APPENDIX E

DRUM RESIDUES/TRANSPORTATION/DISPOSAL

DNR
MICHIGAN DEPARTMENT
OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

ATT. DIS. REJ. PR.

1972, as amended and Act 136, P.A. 1969.
 Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Form Approved OMB No. 2050-0039 Expires 9-30-92

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M P 6 1 7 9 3 5 5 2 3		Manifest Document No.		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Wildwood Conservation Corporation 246 Salem Street Road, Woburn MA 01801						A. State Manifest Document Number MI 3124991			
4. Generator's Phone (508) 371-1422						B. State Generator's ID same			
5. Transporter 1 Company Name Freehold Cartage Inc.			6. US EPA ID Number N J D 0 5 4 1 2 6 1 6 4			C. State Transporter's ID T 6 9 2 V W N T		D. Transporter's Phone 908-462-1001	
7. Transporter 2 Company Name						8. US EPA ID Number		E. State Transporter's ID	
9. Designated Facility Name and Site Address Envotech Management Services, Inc. 49350 No. I-94 Service Drive Belleville, MI 48111						10. US EPA ID Number M I D 0 0 0 7 2 4 8 3 1		F. Transporter's Phone	
						G. State Facility's ID		H. Facility's Phone 313-697-7830	

a.	X	Description	12. Containers		13. Total Quantity	14. Unit Wt/Vol	1. Waste	
			No.	Type			No.	N/H
	X	RQ, Hazardous Waste, Liquid, n.o.s., (Chlordane), 9, NA3082, III (D020).	007	DM	00350	G	D	0 2 0 H
	X	RQ, Hazardous Waste, Solid, n.o.s. (Chlordane), 9, NA3077, III (D020).	0104	DM	011700	P	D	0 2 0 H
		Non Hazardous Liquid Not DOT, Not RCRA Regulated	004	DM	010600	P	0	2 9 L N
		Non Hazardous Solid Not DOT, Not RCRA Regulated	004	DM	011700	P	0	2 9 L N
J. Additional Descriptions for Materials Listed Above			K. Handling Codes for Wastes Listed Above					
Iia. Petroleum Jelly CODE 111993MG			133837		a/ /			
Iib. soil CODE 111993MF			133838		b/ /			
Iic. glue resin CODE 111993ME			133839		c/ /			
Iid. white powder CODE 111993MJ			133840		d/ /			

15. Special Handling Instructions and Additional Information
 Emergency Contact: James Gracca 508 371-1422
 Iia, b: Use ERG#31.
 Iia. Drums are 85 gal. overpaks

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name		Signature		Date
Paul Laguarda Agent for Beatrice		Paul Laguarda		11/20/1913
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date
Printed/Typed Name		Signature		Date
Alan Rand		Alan Rand		11/20/1913
18. Transporter 2 Acknowledgement or Receipt of Materials		Signature		Date
Printed/Typed Name		Signature		Date

19. Discrepancy Indication Space
 10 all GW MW

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature		Date
Printed/Typed Name		Signature		Date
James M Combs Jr		James M Combs Jr		11/20/1913



MICHIGAN DEPARTMENT OF NATURAL RESOURCES

DO NOT WRITE IN THIS SPACE

Required under administrative orders 1870, as amended and Act 136 of 1969. Failure to file is punishable under section 299.548 MCL or Section 10 of Act 136, P.A. 1969.

Please print or type.

Form Approved OMB No. 2050-0039 Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. MP6179355523	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
-----------------------------------------	-----------------------------------------------------	-----------------------	----------------	-----------------------------------------------------------------

3. Generator's Name and Mailing Address Wildwood Conservation Corporation 246 Salem Street Road, Woburn MA 01801		A. State Manifest Document Number MI 3124992
4. Generator's Phone (508) 371-1422		B. State Generator's ID
5. Transporter 1 Company Name Freehold Cartage Inc.	6. US EPA ID Number NJ D 0 5 4 1 2 6 1 6 4	C. State Transporter's ID 692VWnT
7. Transporter 2 Company Name	8. US EPA ID Number	D. Transporter's Phone 908-462-1001
9. Designated Facility Name and Site Address Envotech Management Services, Inc. 49350 No. I-94 Service Drive Belleville, MI 48111		E. State Transporter's ID
10. US EPA ID Number MI D 0 0 0 7 2 4 8 3 1		F. Transporter's Phone
		G. State Facility's ID
		H. Facility's Phone 313-697-7830

a.	X	RQ, Hazardous Waste, Solid, n.o.s., (Cadmium), 9, NA3077, III (D006).	12. Containers No.	13. Total Quantity	14. Unit M/Vol	1. Waste No.	
						P	N/H
			002	DM	6016100	P	D D D 6 H
b.	X	RQ Hazardous waste liquid nos. (Cadmium) 9, NA3082 III (D006)	01011	DM	6016155	G	D10016 H
c.	X	RQ WASTE COMBUSTIBLE LIQUID NOS (Benzene) COMBUSTIBLE LIQUID NA1993 III	002	DM	6016100	G	D0178 H
d.							

J. Additional Descriptions for Materials Listed Above	K. Handling Codes for Wastes Listed Above
11a. Clay CODE 111993MK 11b. Clay Code 111993MK 11c. CLAY CODE 120393MK	a/ / b/ / c/ / d/ /

15. Special Handling Instructions and Additional Information
Emergency Contact: **JAMES GREEN 508-371-1422 IIC ENG# 27**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name CARLAQUIDARA Agent for Beakco	Signature <i>[Signature]</i>	Date 1/26/1913
17. Transporter 1 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name Alan Reed	Signature <i>[Signature]</i>	Date 1/20/1913
18. Transporter 2 Acknowledgement or Receipt of Materials		Date
Printed/Typed Name	Signature	Date

19. Discrepancy Indication Space
MW 10 ad

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.	Date
Printed/Typed Name JAMES M. COMBS JR	Signature <i>[Signature]</i>
	Date 1/20/1913



MANAGEMENT SERVICES, INCORPORATED

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # MI 3124991 have been properly disposed of in accordance with all local, state and federal regulations. "Disposed of" means either: 1) Burial, or 2) Processed as defined in 40 CFR et seq.

FACILITY NAME: ENVOTECH MANAGEMENT SERVICES

ADDRESS: 49350 North Service DriveBelleville, Michigan 48111PHONE NUMBER: 313/697-2200EPA I. D. NO.: MID 000724831

Should you have any questions or require additional information, please feel free to contact this office.

Very truly yours,

ENVOTECH MANAGEMENT SERVICES, INC.

Signed

A handwritten signature in black ink, appearing to be "A. B. O.", written over a horizontal line.

(Authorized Signature)



MANAGEMENT SERVICES, INCORPORATED

CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # MI 312499Z have been properly disposed of in accordance with all local, state and federal regulations. "Disposed of" means either: 1) Burial, or 2) Processed as defined in 40 CFR et seq.

FACILITY NAME: ENVOTECH MANAGEMENT SERVICES

ADDRESS: 49350 North Service DriveBelleville, Michigan 48111PHONE NUMBER: 313/697-2200EPA I. D. NO.: MID 000724831

Should you have any questions or require additional information, please feel free to contact this office.

Very truly yours,

ENVOTECH MANAGEMENT SERVICES, INC.

Signed. 

(Authorized Signature)

APPENDIX F

DEBRIS SOIL A

TRANSPORTATION AND DISPOSAL

Debris Soil A Shipping Summary

Load #	Weight
1	19.50
2	6.79
3	13.64
4	10.32
5	14.98
6	13.86
7	16.68
8	14.43
9	12.18
10	12.04
11	14.89
12	8.40
13	9.89
14	13.07
15	13.89
16	13.97
17	14.17
18	17.23
Total	239.93

NONHAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

NOV - 4 1993

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

No. 005156

Section I GENERATOR (Generator completes all of Section I)

a. Generator Name: BEATRICE COMPANY, CT CORP. b. Generating Location: BEATRICE FOODS, INC.
 Address: 215 LA SALLE STREET d. Address: 242 REAR SALEM STREET
CHICAGO, IL 60604 WOZURN, MA 01801
 Phone No.: (617) 749-5050 f. Phone No.: (617) 749-5050
 Owner of the generating facility differs from the generator, provide:
 Owner's Name: _____ h. Owner's Phone No.: _____
 BFI WASTE CODE: MA-835 / 640015 / 208977 Containers: _____
 Description of Waste: 100 LBS CONTAMINATED WITH PCB FROM UNKNOWN SOURCE k. Quantity _____ Units _____ No. _____ TYPE _____

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC E or WRAP
T	- TRUCK
O	- OTHER
UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Kristen Silvia Agent for Beatrice Kristen Silvia 10-19-93
Generator Authorized Agent Name Signature Shipment Date

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT TRANSPORTER I d. Phone No.: (508) 649-7304 e. Truck No.: _____
 Address: 305 DUNSTABLE ROAD f. Vehicle License No./State: _____
TYNGSBORO, MASSACHUSETTS Acknowledgement of Receipt of Materials.
 Driver Name/Title: JOFF HANSON g. [Signature] 10/12
 Print/Type Driver Signature Shipment Date

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: BFI TYNGSBORO DISTRICT c. Phone No.: (508) 649-7304
 Physical Address: 3100 STATE STREET ROAD d. Mailing Address: PO BOX 6270
LOWELL, MA 01450 PORTLAND, ME 04104

Discrepancy Indication Space: _____
 I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.
[Signature] [Signature] 10-21-93
 Name of Authorized Agent Signature Receipt Date

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
 Operator's* Address: _____
 Special Handling Instructions and additional information: _____

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____ Operator's* Signature _____ Date _____
 Print/Type
 Name and Address of Responsible Agency: _____
 g. _____ Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

BFI
TYNGSBORO

A00558

No. 005157

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP.
Address: 208 LA SALLE STREET
CHICAGO, IL 60604
Phone No.: (617) 749-5050
Owner of the generating facility differs from the generator, provide:
Owner's Name:

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050
h. Owner's Phone No.:

BFI WASTE CODE: MA / 855 / 940915 / 208977
Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE

k. Quantity _____ Units _____ No. _____ TYPE _____

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG or WRAP
T	- TRUCK
O	- OTHER
UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: James R. Gougeon

Signature: James R. Gougeon

Shipment Date: 10-28-93

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT - TRANSPORTER I
Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879
Driver Name/Title: Daniel Dancouse
Print/Type

d. Phone No.: (508) 649-7564
e. Truck No.: 12
f. Vehicle License No./State: 173211 MA
Acknowledgement of Receipt of Materials.
g. Driver Signature: Daniel Dancouse
Shipment Date: 10/28/93

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI MAHONING LANDFILL
Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436

c. Phone No.: (216) 534-8113
d. Mailing Address: PO BOX 5240
WILAND, OH 44514

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: BFI Hele Dancouse
Signature

Receipt Date: 10-29-93

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
Operator's* Address: _____
Special Handling Instructions and additional information: _____

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____ Print/Type _____ Operator's* Signature _____ Date _____
Name and Address of Responsible Agency: _____

____ Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

427
No. 005158

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP. b. Generating Location: BEATRICE FOODS, INC.
 Address: 208 LA SALLE STREET d. Address: 248 REAR SALEM STREET
CHICAGO, IL 60604 WOBURN, MA 01801
 Phone No.: (617) 749-5050 f. Phone No.: (617) 749-5050
 Owner of the generating facility differs from the generator, provide:
 Owner's Name: _____ h. Owner's Phone No.: _____
 WASTE CODE: MA / 855 / 940915 / 208977
 Description of Waste: SOIL CONTAMINATED WITH PCB'S k. Quantity _____ Units _____ No. _____ TYPE _____
FROM UNKNOWN SOURCE Containers _____
 TYPE
 DM - METAL DRUM
 DP - PLASTIC DRUM
 B - BAG
 BA - 6 MIL. PLASTIC BAG or WRAP
 T - TRUCK
 O - OTHER
 UNITS
 P - POUNDS
 Y - YARDS
 M³ - CUBIC METERS
 Y³ - CUBIC YARDS
 O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: William Acord Co Beatrice Co Signature: [Signature] Shipment Date: 11-19-93

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT TRANSPORTER I d. Phone No.: (508) 640-7584 e. Truck No.: 12
 Address: 385 DUNSTABLE ROAD f. Vehicle License No./State: 173211 MA
TYNGSBORO, MA 01879 Acknowledgement of Receipt of Materials.
 Driver Name/Title: Daniel E Dancause g. Driver Signature: [Signature] Shipment Date: 11/19/93

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Name: BFI MAHONING LANDFILL c. Phone No.: (216) 536-8013
 Physical Address: 8100 S. STATE LINE ROAD d. Mailing Address: PO BOX 5240
LOWELLVILLE, OH 44436 POLAND, OH 44514
 Discrepancy Indication Space: _____
 I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.
 Name of Authorized Agent: _____ Signature: [Signature] Receipt Date: 11-22-93

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
 Operator's* Address: _____
 Special Handling Instructions and additional information: _____
 OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.
 Operator's* Name & Title: _____ Operator's* Signature: _____ Date: _____
 Name and Address of Responsible Agency: _____
 _____ Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005159

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP. b. Generating Location: BEATRICE FOODS, INC.
 Address: 208 LA SALLE STREET d. Address: 248 REAR SALEM STREET
CHICAGO, IL 60604 WOBURN, MA 01801
 Phone No.: (617) 749-5050 f. Phone No.: (617) 749-5050
 If number of the generating facility differs from the generator, provide:
 Owner's Name: _____ h. Owner's Phone No.: _____

3FI WASTE CODE: MA / 8557 940915 / 208977
 Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE

Containers	Quantity	Units	No.	TYPE
			1	T

- TYPE**
- DM - METAL DRUM
 - DP - PLASTIC DRUM
 - B - BAG
 - BA - 6 MIL. PLASTIC BAG or WRAP
 - T - TRUCK
 - O - OTHER
- UNITS**
- P - POUNDS
 - Y - YARDS
 - M³ - CUBIC METERS
 - Y³ - CUBIC YARDS
 - O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Sylvia Agent for Beatrice Signature: [Signature] Shipment Date: 12/3/93

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT TRANSPORTER I d. Phone No.: (508) 649-7564 e. Truck No.: 12
 Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879
 Driver Name/Title: Daniel E. Dancourt g. [Signature] Shipment Date: 12/3/93
 Print/Type Driver Signature

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI MAHONING LANDFILL c. Phone No.: (216) 530-8073
 Physical Address: 8100 S. STATE LINE ROAD d. Mailing Address: PO BOX 5240
LOWELLVILLE, OH 44436 POLAND, OH 44614

Discrepancy Indication Space: _____
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Authorized Agent: [Signature] Signature: [Signature] Receipt Date: 12 06 93

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
 Operator's* Address: _____
 Special Handling Instructions and additional information: _____

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____ Operator's* Signature: _____ Date: _____
 Print/Type
 Name and Address: _____
 Responsible Agency: _____
 Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

Generator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. **005160**

If waste is asbestos waste, complete Sections I, II, III and IV
 If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP b. Generating Location: BEATRICE FOODS, INC.
 Address: 208 LA SALLE STREET d. Address: 248 REAR SALEM STREET
CHICAGO, IL 60604 WOBURN, MA 01801
 Phone No.: (617) 749-5050 f. Phone No.: (617) 749-5050
 If generator of the generating facility differs from the generator, provide:
 Generator's Name: _____ h. Owner's Phone No.: _____

FI WASTE CODE: MA / 855 / 940915 / 208977
 Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE

k. Quantity	Units	No.	TYPE
1	T	1	T

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG or WRAP
T	- TRUCK
O	- OTHER

UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Paul Lavudara, Agent for Beatrice Signature: [Signature] Shipment Date: 12-7-93

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT - TRANSPORTER I d. Phone No.: (508) 649-7564 e. Truck No.: 12
 Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879
 f. Vehicle License No./State: MA 173211
 Acknowledgement of Receipt of Materials.
 Driver Name/Title: Daniel E. Doncause g. Driver Signature: [Signature] Shipment Date: 12/7/93
Print/Type Signature Shipment Date

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI MAHONINGS LANDFILL c. Phone No.: (216) 536-8013
 Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44435 d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space: _____
 I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Generator Authorized Agent: [Signature] Signature: [Signature] Receipt Date: 12-9-93

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
 Operator's* Address: _____
 Special Handling Instructions and additional information: _____

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, loaded, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Generator's* Name & Title: _____ Operator's* Signature: _____ Date: _____
Print/Type Signature Date
 Name and Address: _____
 Responsible Agency: _____
 Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

Generator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005161

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP b. Generating Location: BEATRICE FOODS, INC
 Address: 200 LA SALLE STREET d. Address: 218 REAR SALEM STREET
CHICAGO, IL 60604 WOBURN, MA 01801
(617) 749-5050 f. Phone No.: (617) 749-5050
 Owner's Name: MA / 603 / 940915 / 208077 h. Owner's Phone No.: _____
 Waste Code: NON-CONTAMINATED WITH PCB'S k. Quantity _____ Units _____ No. _____ TYPE _____
 Description of Waste: FROM UNIT DOWN BEATRICE

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG or WRAP
T	- TRUCK
O	- OTHER

UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 12-10-93

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNESBORO DISTRICT - TRANSPORTER I d. Phone No.: (508) 649-7564 e. Truck No.: 12
 Address: 365 DUNSTABLE ROAD f. Vehicle License No./State: MA 173211
TYNESBORO, MA 01804 Acknowledgement of Receipt of Materials.
 Driver Name/Title: Daniel Dancose g. Driver Signature _____ Shipment Date 12/10/93
 Print/Type

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: _____ c. Phone No.: _____
 Physical Address: STOES STATE LINE ROAD d. Mailing Address: _____
LOWELL, MA 01851

Discrepancy Indication Space: _____
 I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.
 Name of Authorized Agent: Michael J Davis RETIRED BEATRICE Signature: _____ Receipt Date: 12/10/93

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

a. Operator's* Name: _____ b. Operator's* Phone No.: _____
 Operator's* Address: _____
 Special Handling Instructions and additional information: _____

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's Name & Title: _____ Operator's Signature _____ Date _____
 Name and Address of Responsible Agency: _____
 g. Friable: _____ Non-friable: _____ Both _____ % friable _____ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005162

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

SECTION I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP.
Address: 208 LA SALLE STREET
CHICAGO, IL 60604
(617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050

Owner of the generating facility differs from the generator, provide:
Owner's Name: _____
WASTE CODE: MA / 355 / 940915 / 208977
Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE

h. Owner's Phone No.: _____
k. Quantity _____ Units _____ No. _____ TYPE _____

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG
	or WRAP
T	- TRUCK
O	- OTHER

UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Harold [Signature] Signature: [Signature] Shipment Date: 12-14-93

SECTION II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT
Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879

TRANSPORTER I
e. Phone No.: (508) 619-7504
e. Truck No.: 12
f. Vehicle License No./State: 173211 MA
Acknowledgement of Receipt of Materials.

Driver Name/Title: Daniel Doncause
Print/Type

g. Driver Signature: [Signature] Shipment Date: 12/14/93

SECTION III DESTINATION (Generator completes a-d; destination site completes e-f)

Name: BFLMAHONING LANDFILL
Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44435

c. Phone No.: (216) 536-8013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space: _____
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: _____ Signature: [Signature] Receipt Date: 12-16-93

SECTION IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
Operator's* Address: _____
Special Handling Instructions and additional information: _____

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____ Print/Type _____ Operator's* Signature _____ Date _____
Address and Agency: _____

Friable: _____ Non-friable: _____ Both _____ % friable _____ % nonfriable _____

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005163

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP. b. Generating Location: BEATRICE FOODS, INC.
Address: 208 LA SALLE STREET d. Address: 248 REAR SALEM STREET
CHICAGO, IL 60604 WOBURN, MA 01801
(617) 749-5050 f. Phone No.: (617) 749-5050
Owner's Name: _____ h. Owner's Phone No.: _____
WASTE CODE: MA / 855 / 940915 / 208977
Description of Waste: SOIL CONTAMINATED WITH PCB'S k. Quantity _____ Units _____ No. _____ TYPE _____
FROM UNKNOWN SOURCE Containers: _____
I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.
Generator Authorized Agent Name: LAQUICARA / Agent for Beatrice Signature: [Signature] Shipment Date: 12-17-93

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG or WRAP
T	- TRUCK
O	- OTHER

UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT TRANSPORTER I d. Phone No.: (508) 649-7564 e. Truck No.: 12
Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879
Driver Name/Title: Daniel Dancause g. Driver Signature: [Signature] Shipment Date: 12/17/93
f. Vehicle License No./State: MA 173211
Acknowledgement of Receipt of Materials.

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Name: BFI MAHONING LANDFILL c. Phone No.: (216) 530-8013
Physical Address: 8100 S. STATE LINE ROAD d. Mailing Address: PO BOX 5240
LOWELLVILLE, OH 44436 POLAND, OH 44514
Discrepancy Indication Space: _____
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.
Name of Authorized Agent: _____ Signature: [Signature] Receipt Date: 12-21-93

Section IV ASBESTOS (Generator completes a-d, f, g; Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
Operator's* Address: _____
Special Handling Instructions and additional information: _____
OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.
Operator's* Name & Title: _____ Operator's* Signature: _____ Date: _____
Responsible Agency: _____
Friable: _____ Non-friable: _____ Both: _____ % friable: _____ % nonfriable: _____

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005164

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

1. Generator Name: BEATRICE COMPANY, CT CORP b. Generating Location: BEATRICE FOODS, INC
Address: 208 LA SALLE STREET d. Address: 248 REAR SALEM STREET
CHICAGO, IL 60604 WOBURN, MA 01801
(617) 749-5050 f. Phone No.: (617) 749-5050

3. Phone No.: _____
4. If owner of the generating facility differs from the generator, provide:
5. Owner's Name: _____ h. Owner's Phone No.: _____

6. BFI WASTE CODE: MA / 855 / 940916 / 208977
7. Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE
k. Quantity: _____ Units: _____ No. _____ TYPE: _____

Containers	
TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG or WRAP
T	- TRUCK
O	- OTHER
UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

8. Generator Authorized Agent Name: Paul Laquidara (Agent for Beatrice) Signature: [Signature] Shipment Date: 12-27-93

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

1. Name: BFI TYNGSBORO DISTRICT TRANSPORTER I b. Phone No.: (508) 649-7564 e. Truck No.: 12
3. Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879 f. Vehicle License No./State: MA 173211
Acknowledgement of Receipt of Materials: _____

5. Driver Name/Title: Daniel Dancus g. Driver Signature: [Signature] Shipment Date: 12-27-93

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

1. Site Name: BFI MAHONING LANDFILL c. Phone No.: (216) 536-8013
3. Physical Address: 8100 S. STATE LINE ROAD d. Mailing Address: PO BOX 5240
LOWELLVILLE, OH 44436 POLAND, OH 44514

Discrepancy Indication Space: _____
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: [Signature] Signature: [Signature] Receipt Date: 12-27-93

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

1. Operator's* Name: _____ b) Operator's* Phone No.: _____
2. Operator's* Address: _____
3. Special Handling Instructions and additional information: _____

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____ Operator's* Signature: _____ Date: _____

Name and Address of Responsible Agency: _____

____ Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005165

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP
Address: 208 LA SALLE STREET
CHICAGO, IL 60604
Phone No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC
d. Address: 248 BEAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050

Number of the generating facility differs from the generator, provide:
Owner's Name: _____

h. Owner's Phone No.: _____

BFI WASTE CODE: MA / 855 / 940915 / 208977
Description of Waste: SOIL CONTAMINATED WITH POB'S
FROM UNKNOWN SOURCE

k. Quantity _____ Units _____ No. _____ TYPE _____
Containers _____

- TYPE**
- DM - METAL DRUM
 - DP - PLASTIC DRUM
 - B - BAG
 - BA - 6 MIL. PLASTIC BAG or WRAP
 - T - TRUCK
 - O - OTHER
- UNITS**
- P - POUNDS
 - Y - YARDS
 - M³ - CUBIC METERS
 - Y³ - CUBIC YARDS
 - O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Paul LaQuidara Agent for Beatrice
Signature: _____

Shipment Date: 12-29-93

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT TRANSPORTER I
Address: 305 DUNSTABLE ROAD
TYNGSBORO, MA 01879

d. Phone No.: (508) 649-7564 e. Truck No.: 12
f. Vehicle License No./State: MA 173211
Acknowledgement of Receipt of Materials.

Driver Name/Title: Daniel E. Downcase
Print/Type

g. Driver Signature: _____ Shipment Date: 12/29/93

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI MAHONING LANDFILL
Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436

c. Phone No.: (216) 530-8013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space: _____
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: _____
Signature: Paul Freyter

Receipt Date: 1-6-94

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____

Operator's* Address: _____

Special Handling Instructions and additional information: _____

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____ Print/Type _____ Operator's* Signature: _____ Date: _____

Name and Address of Responsible Agency: _____

_____ Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

Generator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005166

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP.
Address: 208 LA SALLE STREET
CHICAGO, IL 60604
Phone No.: (617) 749-5050
Owner of the generating facility differs from the generator, provide:
Owner's Name: _____
EPA WASTE CODE MA / 855 / 940915 / 208977

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050
h. Owner's Phone No.: _____

Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE

k. Quantity _____ Units _____ No. _____ TYPE _____

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL PLASTIC BAG
	or WRAP
T	- TRUCK
O	- OTHER

UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Daniel F. Dumas Signature: _____ Shipment Date: 1-10-94

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT TRANSPORTER I
Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879
Driver Name/Title: Daniel F. Dumas
Print/Type

d. Phone No.: (508) 649-7564 e. Truck No.: 12
f. Vehicle License No./State: 173211 MA
Acknowledgement of Receipt of Materials.
g. Driver Signature: _____ Shipment Date: 1-10-94

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI MAHONING LANDFILL
Physical Address: 8100 S. STATE LINE ROAD
LOWELL VILLE, OH 44430

c. Phone No.: (216) 536-8013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space: _____
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Authorized Agent: Paul Bretz Signature: _____ Receipt Date: 3-28-94

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
Operator's* Address: _____

Handling Instructions and additional information: _____

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____ Print/Type _____ Operator's* Signature _____ Date _____
Address: _____
Responsible Agency: _____
Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

19 B-A01833

HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005167

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

<p>a. Generator Name: <u>BEATRICE COMPANY, CT CORP.</u></p> <p>b. Address: <u>208 LA SALLE STREET</u> <u>CHICAGO, IL 60604</u></p> <p>c. Phone No.: <u>(617) 749-5050</u></p> <p>d. Owner's Name: _____</p> <p>e. WASTE CODE: <u>MA / 855 / 940915 / 208977</u></p> <p>f. Description of Waste: <u>SOIL CONTAMINATED WITH PCB'S</u> <u>FROM UNKNOWN SOURCE.</u></p>	<p>b. Generating Location: <u>BEATRICE FOODS, INC.</u></p> <p>d. Address: <u>248 REAR SALEM STREET</u> <u>WOBURN, MA 01801</u></p> <p>f. Phone No.: <u>(617) 749-5050</u></p> <p>h. Owner's Phone No.: _____</p>
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	Containers	
k. Quantity	Units	No. TYPE
	T	T

TYPE

DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL PLASTIC BAG
or WRAP
T - TRUCK
O - OTHER

UNITS

P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: (Beatrice Beatrice) Signature: _____ Shipment Date: 1-13-94

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: <u>BFI TYNGSBORO DISTRICT</u>	TRANSPORTER I	d. Phone No.: <u>(508) 849-7564</u>
b. Address: <u>305 DUNSTABLE ROAD</u> <u>TYNGSBORO, MA 01879</u>		e. Truck No.: <u>12</u>
Driver Name/Title: <u>David E. Dancause</u>		f. Vehicle License No./State: <u>173211 MA</u>
Print/Type	g. <u>David E. Dancause</u>	Acknowledgement of Receipt of Materials.
	Driver Signature	<u>1/15/94</u>
		Shipment Date

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: <u>BFI MAHONING LANDFILL</u>	c. Phone No.: <u>(216) 536-8013</u>
b. Physical Address: <u>8100 S. STATE LINE ROAD</u> <u>LOWELLVILLE, OH 44436</u>	d. Mailing Address: <u>PO BOX 5240</u> <u>POLAND, OH 44514</u>

Discrepancy Indication Space: _____

I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: [Signature] Signature: [Signature] Receipt Date: 3-21-94

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____	b. Operator's* Phone No.: _____
Operator's* Address: _____	

Special Handling Instructions and additional information: _____

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____	Operator's* Signature _____
Print/Type	Date
Name and Address _____	
Responsible Agency: _____	

Frangible: _____ Non-frangible: _____ Both _____ % friable _____ % nonfriable

Generator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

A02432

HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005168

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP. b. Generating Location: BEATRICE FOODS, INC.
 Address: 208 LA SALLE STREET d. Address: 248 REAR SALEM STREET
CHICAGO, IL 60604 WOBURN, MA 01801
 Phone No.: (617) 749-5050 f. Phone No.: (617) 749-5050
 Owner's Name: _____ h. Owner's Phone No.: _____
 Waste Code: MA/855/940915/208977 Containers
 Description of Waste: SOIL CONTAMINATED WITH PCB'S k. Quantity Units No. TYPE
FROM UNKNOWN SOURCE _____ .1 T
 I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.
 James R. Greason (Agent for Beatrice) James R. Greason 4-1-94
 Generator Authorized Agent Name Signature Shipment Date

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG or WRAP
T	- TRUCK
O	- OTHER

UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT TRANSPORTER I d. Phone No.: (508) 649-7564 e. Truck No.: 12
 Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879
 Driver Name/Title: Daniel E. Dancause f. Vehicle License No./State: 16792 MA
 Permit/Type _____ g. Driver Signature Daniel E. Dancause 4-1-94
 Signature Shipment Date

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Name: BFI MAHONING LANDFILL c. Phone No.: (216) 536-8013
 Physical Address: 8100 S. STATE LINE ROAD d. Mailing Address: PO BOX 5240
LOWELLVILLE, OH 44436 POLAND, OH 44514
 Discrepancy Indication Space: _____
 I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.
BFI Daniel E. Dancause 4 4 94
 Name of Authorized Agent Signature Receipt Date

Section IV ASBESTOS (Generator completes a-d, f, g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
 Operator's* Address: _____
 Special Handling Instructions and additional information: _____
 OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.
 Operator's* Name & Title: _____ Operator's* Signature _____ Date _____
 Print/Type
 Name and Address of Responsible Agency: _____
 Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

* Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.
 260-7205-COM

538

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005169

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP.
Address: 208 LA SALLE STREET
CHICAGO, IL 60604

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801

Phone No.: (617) 749-5050
Owner of the generating facility differs from the generator, provide:
Owner's Name:

f. Phone No.: (617) 749-5050
h. Owner's Phone No.:

WASTE CODE: MA / 855 / 940915 / 208977
Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE

k. Quantity Units No. TYPE
Containers
DM - METAL DRUM
DP - PLASTIC DRUM
B - BAG
BA - 6 MIL. PLASTIC BAG or WRAP
T - TRUCK
O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

DUIG BRABRAND (AGENT FOR BEATRICE) *Doug Brabrand*
Generator Authorized Agent Name Signature

4/3/94
Shipment Date

UNITS
P - POUNDS
Y - YARDS
M³ - CUBIC METERS
Y³ - CUBIC YARDS
O - OTHER

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT
Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879

TRANSPORTER I
d. Phone No.: (508) 649-7664
e. Truck No.: 126
157
f. Vehicle License No./State: 1
Acknowledgement of Receipt of Materials: 1057-110

Driver Name/Title: *Dan Danrose*
Print/Type

g. *Dan Danrose*
Driver Signature Shipment Date 8/16/94

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI MAHONING LANDFILL
Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436

c. Phone No.: (216) 536-8013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: *Paul Anz...* Signature
Receipt Date: 04-11-94

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
Operator's* Address: _____
Special Handling Instructions and additional information: _____

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____ Print/Type
Operator's* Signature _____ Date _____
Name and Address _____
Responsible Agency: _____

____ Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005171

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP.
Address: 208 LA SALLE STREET
CHICAGO, IL 60604
Phone No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 240 RIFAN SALEM STREET
WOBOURN, MA 01801
f. Phone No.: (617) 749-5050

Owner of the generating facility differs from the generator, provide:
Owner's Name: MA / 855 / 940915 / 206977

h. Owner's Phone No.: _____

BFI WASTE CODE: MA / 855 / 940915 / 206977
Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE

k. Quantity	Units	No.	TYPE

- TYPE**
- DM - METAL DRUM
 - DP - PLASTIC DRUM
 - B - BAG
 - BA - 6 MIL. PLASTIC BAG or WRAP
 - T - TRUCK
 - O - OTHER
- UNITS**
- P - POUNDS
 - Y - YARDS
 - M³ - CUBIC METERS
 - Y³ - CUBIC YARDS
 - O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [Signature]

Signature: [Signature]

Shipment Date: 4-27-99

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT - TRANSPORTER I
Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01770

d. Phone No.: (508) 843-7564
e. Truck No.: _____
f. Vehicle License No./State: _____
Acknowledgement of Receipt of Materials.

Driver Name/Title: _____
Print/Type

g. Driver Signature: [Signature]
Shipment Date: _____

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: ST. JAMES CATHOLIC CHURCH
Physical Address: 1005 STATE LINE ROAD
LEWELLYN VILLE, CT 06460

c. Phone No.: (860) 233-8000
d. Mailing Address: PO BOX 5240
NEW BRITAIN, CT 06051

Discrepancy Indication Space: _____
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent: _____ Signature: _____ Receipt Date: _____

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
Operator's* Address: _____
Special Handling Instructions and additional information: _____

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____ Operator's* Signature: _____ Date: _____
Print/Type

Name and Address of Responsible Agency: _____

_____ Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.



NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005172

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP. b. Generating Location: BEATRICE FOODS, INC.
 Address: 208 LA SALLE STREET d. Address: 248 REAR SALEM STREET
CHICAGO, IL 60604 WOBURN, MA 01801
 Phone No.: (617) 749-5050 f. Phone No.: (617) 749-5050
 Owner's Name: _____ h. Owner's Phone No.: _____
 Waste Code: MA / 855 / 940915 / 208977
 Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE

Quantity	Units	No.	TYPE
			T
			T

TYPE
 DM - METAL DRUM
 DP - PLASTIC DRUM
 B - BAG
 BA - 6 MIL PLASTIC BAG or WRAP
 T - TRUCK
 O - OTHER

UNITS
 P - POUNDS
 Y - YARDS
 M³ - CUBIC METERS
 Y³ - CUBIC YARDS
 O - OTHER

Signature: [Signature] Shipment Date: 4-22-94

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT TRANSPORTER I d. Phone No.: (508) 649-7564 e. Truck No.: 12
 Address: 385 DUNSTABLE ROAD f. Vehicle License No./State: 16792 MA
TYNGSBORO, MA 01879 Acknowledgement of Receipt of Materials.
 Driver Name/Title: [Signature] g. Driver Signature: [Signature] Shipment Date: 4-20-94

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI MAHONING LANDFILL c. Phone No.: (216) 536-8013
 Physical Address: 8100 S. STATE LINE ROAD d. Mailing Address: PO BOX 5240
LOWELLVILLE, OH 44436 POLAND, OH 44514
 Discrepancy Indication Space: _____
 Signature: [Signature] Receipt Date: 04-26-94

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
 Operator's* Address: _____
 Special Handling Instructions and additional information: _____
 OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.
 Operator's* Name & Title: _____ Operator's* Signature: _____ Date: _____
 Name and Address of Responsible Agency: _____
 Friable; Non-friable; Both % friable % nonfriable

HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005173

If waste is asbestos waste, complete Sections I, II, III and IV.
If waste is NOT asbestos waste, complete only Sections I, II, and III.

GENERATOR (Generator completes all of Section I)

BEATRICE COMPANY, CT CORP.
208 LA SALLE STREET
CHICAGO, IL 60604
(617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
f. Phone No.: (617) 749-5050
h. Owner's Phone No.:

generating facility differs from the generator, provide:
Name:

STATE CODE: MA / 855 / 940915 / 208977
Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE

k. Quantity Units No. TYPE

Containers

- TYPE
- D - METAL DRUM
 - DP - PLASTIC DRUM
 - B - BAG
 - BA - 6 MIL PLASTIC BAG or WRAP
 - T - TRUCK
 - O - OTHER
- UNITS
- P - POUNDS
 - Y - YARDS
 - M³ - CUBIC METERS
 - Y³ - CUBIC YARDS
 - O - OTHER

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

By: RT LAQUIDA Agent for Beatrice Signature
Generator Authorized Agent Name

12-1-93
Shipment Date

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Name: BFI TYNGSBORO DISTRICT - TRANSPORTER I
Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01879

d. Phone No.: (508) 649-7564
e. Truck No.: 12
f. Vehicle License No./State: 173211 MA
Acknowledgement of Receipt of Materials.

Driver Name/Title: Daniel E. Dancause
Print/Type

g. Daniel E. Dancause Signature
12/1/93 Shipment Date

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Site Name: BFI MAHONING LANDFILL
Physical Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44436

c. Phone No.: (216) 536-8013
d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space:
I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

BFI Signature
Name of Authorized Agent

[Signature] Signature
12-2-93 Receipt Date

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Operator's* Name: _____ b. Operator's* Phone No.: _____
Operator's* Address: _____
Special Handling Instructions and additional information: _____

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Operator's* Name & Title: _____ Print/Type
Operator's* Signature _____ Date _____
Responsible Agency: _____
Fragile: _____ Non-fragile: _____ Both _____ % friable _____ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005174

If waste is asbestos waste, complete Sections I, II, III and IV.
 If waste is NOT asbestos waste, complete only Sections I, II, and III.

Section I GENERATOR (Generator completes all of Section I)

Generator Name: BEATRICE COMPANY, CT CORP.
 Address: 208 LA SALLE STREET
CHICAGO, IL 60604
 Phone No.: (617) 749-5050

b. Generating Location: BEATRICE FOODS, INC.
 d. Address: 248 REAR SALEM STREET
WOBURN, MA 01801
 f. Phone No.: (617) 749-5050

h. Owner's Name: _____
 h. Owner's Phone No.: _____

WASTE CODE: MA / 855 / 940915 / 208977
 Description of Waste: SOIL CONTAMINATED WITH PCB'S
FROM UNKNOWN SOURCE

Quantity	Units	No.	TYPE

TYPE	
DM	- METAL DRUM
DP	- PLASTIC DRUM
B	- BAG
BA	- 6 MIL. PLASTIC BAG or WRAP
T	- TRUCK
O	- OTHER

UNITS	
P	- POUNDS
Y	- YARDS
M ³	- CUBIC METERS
Y ³	- CUBIC YARDS
O	- OTHER

I certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Authorized Agent Name: David E. Danvers Signature: [Signature] Shipment Date: _____

Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g)

Company Name: BFI TYNGSBORO DISTRICT -TRANSPORTER I
 Address: 385 DUNSTABLE ROAD
TYNGSBORO, MA 01870

d. Phone No.: (508) 649-7564 e. Truck No.: 17
 f. Vehicle License No./State: MA 175211
 Acknowledgement of Receipt of Materials.

Driver Name/Title: David E. Danvers
 Print/Type

g. Driver Signature: [Signature] Shipment Date: 11/23/95

Section III DESTINATION (Generator completes a-d; destination site completes e-f)

Name: BFI MAHONING LANDFILL
 Address: 8100 S. STATE LINE ROAD
LOWELLVILLE, OH 44486

c. Phone No.: (216) 536-8013
 d. Mailing Address: PO BOX 5240
POLAND, OH 44514

Discrepancy Indication Space: _____
 I hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.

Authorized Agent: [Signature] Signature: [Signature] Receipt Date: 11-23-95

Section IV ASBESTOS (Generator completes a-d,f,g, Operator* completes e)

Generator's* Name: _____ b. Operator's* Phone No.: _____
 Generator's* Address: _____
 Handling Instructions and additional information: _____

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.

Generator's Name & Title: _____ Print/Type Operator's* Signature _____ Date _____
 Generator's Address _____
 Responsible Agency: _____
 Friable; _____ Non-friable; _____ Both _____ % friable _____ % nonfriable

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

APPENDIX G

DEBRIS PILE COMPLIANCE SAMPLING

**Debris Pile (mg/Kg)
Compliance Sample Summary**

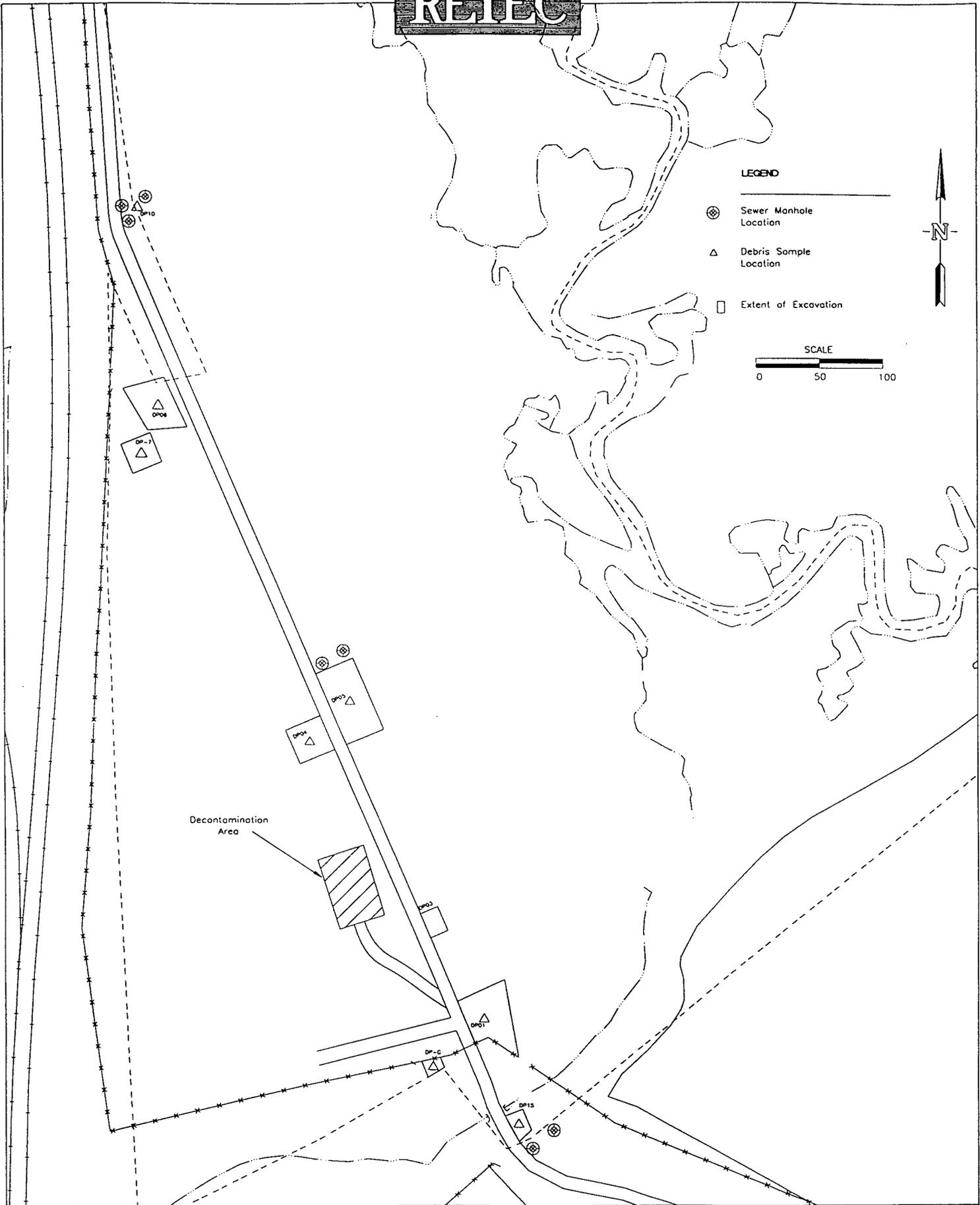
Compound	Target Concentration	DP-1 10/05/94	DP-3 10/05/94	DP-5 10/05/94	DP-5 11/15/94	DP-6 10/05/94	DP-7 10/05/94	DP-7 11/15/94
Lead	640	37.5	45.1	84.3	--	--	--	--
Chlordane	6.14	0.181	0.053	34.67	3.899	0.004	0.041	0.005
4, 4 - DDT	23.5	0.008	0.012	0.874	0.208	0.001	0.005	0.005
cPAHs	0.69	0.280	0.252	0.252	--	0.266	0.986	0.294
PCBs	1.04	0.637	0.075	329.2	0.318	0.291	1.788	0.369
STATUS		pass	pass	fail	pass	pass	fail	pass

Compound	Target Concentration	DP-10 10/05/94	DP-15 10/05/94	DP-15 11/15/94	DP-15 12/15/94	DP-G 10/05/94	DP-G 11/15/94
Lead	640	--	174	--	--	130	--
Chlordane	6.14	0.139	0.800	3.111	--	0.008	--
4, 4 - DDT	23.5	0.063	0.305	0.854	--	0.018	--
cPAHs	0.69	0.150	0.142	--	--	2.758	0.037
PCBs	1.04	0.960	6.540	19.141	0.227	0.415	--
STATUS		pass	fail	fail	pass	fail	pass

Notes:

All concentrations mg/kg

-- No analysis performed



DEBRIS PILE EXCAVATIONS

FIGURE

0947s004

**Debris File
cPAH (ug/Kg)
Compliance Sample Summary**

	DF-1 10/03/94 ug/Kg	DF-2 10/05/94 ug/Kg	DF-3 10/03/94 ug/Kg	DF-4 10/03/94 ug/Kg	DF-7 10/05/94 ug/Kg	DF-7 11/13/94 ug/Kg	DF-10 10/05/94 ug/Kg	DF-9 10/05/94 ug/Kg	DF-9 11/13/94 ug/Kg	DF-15 10/05/94 ug/Kg
Phenol			< 243 U							< 221 U
Hex-Chlorocyclohex			< 243 U							< 221 U
2-Chlorophenol			< 243 U							< 221 U
1,3-Dichlorobenzene			< 243 U							< 221 U
1,4-Dichlorobenzene			< 243 U							< 221 U
1,2-Dichlorobenzene			< 243 U							< 221 U
2-Methylphenol			< 243 U							< 221 U
2,3'-oxybis(1-Chloropropanol)			< 243 U							< 221 U
4-Methylphenol			< 243 U							< 221 U
N-Nitroso-di-n-propylamine			< 243 U							< 221 U
Hexachlorocyclohexane			< 243 U							< 221 U
Nitrobenzene			< 243 U							< 221 U
Benflorone			< 243 U							< 221 U
2-Nitrophenol			< 243 U							< 221 U
2,4-Dinitrophenol			< 243 U							< 221 U
Hex-Chlorocyclohexene			< 243 U							< 221 U
2,4-Dichlorophenol			< 243 U							< 221 U
1,2,4-Trichlorobenzene			< 243 U							< 221 U
Naphthalene			< 243 U							< 221 U
4-Chloraniline			< 243 U							< 221 U
Hexachlorocyclopentadiene			< 243 U							< 221 U
4-Chloro-3-methylphenol			< 243 U							< 221 U
2-Methylnaphthalene			< 243 U							< 221 U
Hexachlorocyclopentadiene			< 243 U							< 221 U
2,4,6-Trichlorophenol			< 243 U							< 221 U
2,4,5-Trichlorophenol			< 606 U							< 532 U
2-Chloronaphthalene			< 243 U							< 221 U
2-Nitroaniline			< 606 U							< 532 U
Dinitrophenol			< 243 U							< 221 U
Azoxyphenol			< 243 U							< 221 U
2,6-Diaminobenzene			< 243 U							< 221 U
3-Nitroaniline			< 606 U							< 532 U
Azoxyphenol			< 243 U							< 221 U
2,4-Dichlorophenol			< 606 U							< 532 U
4-Nitrophenol			< 606 U							< 532 U
Dibenzofuran			< 243 U							< 221 U
2,4-Diaminobenzene			< 243 U							< 221 U
Dinitrophenol			< 243 U							< 221 U
4-chlorophenyl phenylether			< 243 U							< 221 U
Fluorene			< 243 U							< 221 U
4-Nitroaniline			< 606 U							< 532 U
4,5-Dinitro-2-methylphenol			< 606 U							< 532 U
N-Nitrosodiphenylamine (1)			< 243 U							< 221 U
4-Bromophenyl phenylether			< 243 U							< 221 U
Hexachlorocyclopentadiene			< 243 U							< 221 U
Hexachlorophenol			< 606 U							< 532 U
Phenanthrene			< 243 U							< 221 U
Anthracene			< 243 U							< 221 U
Carbazole			< 243 U							< 221 U
Di-n-butylphthalate			< 243 U							< 221 U
Fluorenone			< 243 U							56 J
Pyrene			< 243 U							53 J
Butylbenzylphthalate			< 243 U							< 221 U
3,3'-Dichlorobiphenyl			< 243 U							< 221 U
Benzo(a)anthracene	< 40 U	< 36 U	< 36 U	< 38 U	130	< 42 U	32 J	254	< 38 U	35 J
Chrysene	< 40 U	< 36 U	< 36 U	< 38 U	176	< 42 U	38	883	57 J	32 J
Hex-Chlorocyclohexene			< 243 U							< 221 U
Di-n-octylphthalate			< 243 U							< 221 U
Benzo(b)fluoranthene	< 40 U	< 36 U	< 36 U	< 38 U	282	< 42 U	49	728	< 38 U	38
Benzo(k)fluoranthene	< 40 U	< 36 U	< 36 U	< 38 U	80	< 42 U	< 33 U	247	< 38 U	< 33 U
Benzo(a)pyrene	< 40 U	< 36 U	< 36 U	< 38 U	169	< 42 U	31 J	405	< 38 U	30 J
Indeno(1,2,3-cd)pyrene	< 40 U	< 36 U	< 36 U	< 38 U	130 J	< 42 U	< 33 U	182 J	< 38 U	< 33 U
Dibenz(a,h)anthracene	< 40 U	< 36 U	< 36 U	< 38 U	50 J	< 42 U	< 33 U	56 J	< 38 U	< 33 U
Benzo(g,h,i)perylene			< 243 U							< 221 U

Notes:

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

J - The associated numerical value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

All concentrations ug/kg.

Debris File
 VOCs (ug/Kg)
 Compliance Sample Summary

Soil	DP-1	DP-3	DP-5	DP-6	DP-7	DP-7	DP-10	DP-15	DP-G
Cleanup	10/05/94	10/05/94	10/05/94	10/05/94	10/05/94	10/05/94	11/13/94	10/05/94	10/05/94
Chloromethane			< 1.2 U					< 1.1 U	U
Bromomethane			< 1.2 U					< 1.1 U	U
Vinyl Chloride			< 1.2 U					< 1.1 U	U
Chloroethane			< 1.2 U					< 1.1 U	U
Methylene Chloride			< 28 UJ			11,610 JD		< 11 UJ	
Acetone			< 10 UJ			4,341 JD		< 3.6 UJ	
Carbon Disulfide			< 1.2 U					< 1.1 U	U
1,1-Dichloroethene			< 1.2 U					< 1.1 U	U
1,1-Dichloroethane			< 1.2 U					< 1.1 U	U
1,2-Dichloroethene (cis)			< 1.2 U					< 1.1 U	U
1,2-Dichloroethene (trans)	83	< 1.3 U	< 1.2 U	< 1.2 U	< 1.7 U		< 1.3 U	< 1.0 U	< 1.0 U
Chloroform	63	< 1.3 U	< 1.2 U	< 1.2 U	< 1.7 U		3.5	< 1.0 U	< 1.0 U
1,2-Dichloroethane			< 1.2 U					< 1.1 U	U
2-Butanone			6.2					< 1.1 U	U
1,1,1-Trichloroethane	613	< 1.3 U	< 1.2 U	< 1.2 U	< 1.7 U		40	< 1.0 U	< 1.0 U
Carbon Tetrachloride			< 1.2 U					< 1.1 U	U
Bromodichloromethane			< 1.2 U					< 1.1 U	U
1,2-Dichloropropane			< 1.2 U					< 1.1 U	U
cis-1,3-Dichloropropene			< 1.2 U					< 1.1 U	U
Trichlorobene	13	< 1.3 U	< 1.2 U	< 1.2 U	< 1.7 U	66,800 D	45,700 JD	< 1.0 U	< 1.0 U
Dibromochloromethane			< 1.2 U					< 1.1 U	U
1,1,2-Trichloroethane			< 1.2 U					< 1.1 U	U
Benzene			< 1.2 U					< 1.1 U	U
trans-1,3-Dichloropropene			< 1.2 U					< 1.1 U	U
Bromoform			< 1.2 U					< 1.1 U	U
4-Methyl-2-Pentanone			< 1.2 U					< 1.1 U	U
2-Hexanone			< 1.2 U					< 1.1 U	U
Tetrachloroethene	37	< 1.3 U	< 1.2 U	< 1.2 U	< 1.7 U		87	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane			< 1.2 U					< 1.1 U	U
Toluene			0.8 J					1.2	
Chlorobenzene			< 1.2 U					< 1.1 U	U
Ethylbenzene			< 1.2 U					< 1.1 U	U
Styrene			< 1.2 U					< 1.1 U	U
Xylene (total)			< 1.2 U					< 1.1 U	U

Notes:

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

D - Compounds identified in an analysis at a secondary dilution factor.

UJ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

J - The associated numerical value is an estimated value.

All concentrations ug/kg.

**Debris File
Pesticides And PCBs (ug/Kg)
Compliance Sample Summary**

	DP-1 10/05/94	DP-3 10/05/94	DP-5 10/05/94	DP-5 11/15/94	DP-6 10/05/94	DP-7 10/05/94	DP-7 11/15/94	DP-10 10/05/94	DP-G 10/05/94	DP-15 10/05/94	DP-15 11/15/94	DP-15 12/15/94
alpha-BHC										1.6		
beta-BHC										1.6		
delta-BHC										1.6		
gamma-BHC (Lindane)										1.6		
Heptachlor										1.6		
Heptachlor epoxide										< 1.6 U		
Endosulfan I										< 1.6 U		
Dieldrin										< 3.2 U		
4,4'-DDE										< 162.6 U		
Endrin										< 3.2 U		
Endosulfan II										< 3.2 U		
4,4'-DDD										221 P		
Endosulfan sulfate										< 3.2 U		
4,4'-DDT	8.2 JP	11.5 PJ	873.7 PJ	208.0 PD	1.1 JP	< 4.9 U	< 4.6 U	63.3 DP	17.5 P	305 PJ	854 DP	
Methoxychlor										< 15.8 U		
Endrin ketone										< 3.2 U		
Endrin aldehyde										< 3.2 U		
alpha-Chlordane	85.4 D	27.8 DP	17,881 DP	1,817 D	1.7 JP	< 2.5 U	< 2.3 U	70.7 D	2.4 P	395 DJ	1,584 D	
gamma-Chlordane	95.1 DP	25.6 DP	16,789 DP	2,082 DP	1.9 JP	41.0 DJ	5.1 P	68.2 DP	5.2 P	405 PJ	1,527 DP	
Toxaphene										< 157.8 U		
Aroclor-1016	< 38.1 U	< 34.6 U	< 41,152 DU	< 39.7 U	< 36.4 U	< 49.4 U	< 46.1 U	< 122.1 DU	< 34.6 U	< 31.6 U	< 37.0 U	< 41.7 U
Aroclor-1221	< 76.2 U	< 69.3 U	< 82,305 DU	< 79.4 U	< 72.8 U	< 98.8 U	< 92.3 U	< 244.2 DU	< 69.3 U	< 63.1 U	< 74.0 U	< 83.3 U
Aroclor-1232	< 38.1 U	< 34.6 U	< 41,152 DU	< 39.7 U	< 36.4 U	< 49.4 U	< 46.1 U	< 122.1 DU	< 34.6 U	< 31.6 U	< 37.0 U	< 41.7 U
Aroclor-1242	< 38.1 U	< 34.6 U	< 41,152 DU	< 39.7 U	< 36.4 U	< 49.4 U	< 46.1 U	< 122.1 DU	< 34.6 U	< 31.6 U	< 37.0 U	< 41.7 U
Aroclor-1248	< 38.1 U	< 34.6 U	< 41,152 DU	< 39.7 U	< 36.4 U	< 49.4 U	< 46.1 U	< 122.1 DU	< 34.6 U	< 31.6 U	< 37.0 U	< 41.7 U
Aroclor-1254	476 P	< 34.6 U	< 41,152 DU	< 39.7 U	< 36.4 U	1,788 D	< 46.1 U	775.8 D	415 P	4,878 DJ	14,840 DP	144 J
Aroclor-1260	161 P	75.1 P	< 41,152 DU	< 39.7 U	< 36.4 U	< 49.4 U	< 46.1 U	183.8 D	< 34.6 U	1,662 DJ	4,301 PJ	82.9 J

Notes:

- U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
- J - The associated numerical value is an estimated quantity.
- UJ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.
- P - Pesticide / Aroclor target analyte has greater than 25 % difference detected concentrations between the two GC columns.
- D - Compounds identified in the analysis at a secondary dilution factor.

All concentrations ug/kg.

**Debris Pile
Metals (mg/Kg)
Compliance Sample Summary**

	DP-1 10/05/94 mg/kg C	DP-3 10/05/94 mg/kg C	DP-5 10/05/94 mg/kg C	DP-15 10/05/94 mg/kg C	DP-G 10/05/94 mg/kg C
Aluminum			4,016	6,875	
Antimony			8.0	7.2	
Arsenic			5.2	9.4	
Barium			41.8	155.5	
Beryllium			0.2 U	0.3 B	
Cadmium			2.1	4.9	
Calcium			1,046	1,356	
Chromium			30.9 J	345.0 J	
Cobalt			2.5 B	5.5 B	
Copper			105.7 J	35.7 J	
Iron			15,242 J	18,642 J	
Lead	37.5 J	45.1 J	84.3	173.5 J	130.0 J
Magnesium			891.1	1503	
Manganese			91.0	159.9	
Mercury			0.1 U	1.9	
Nickel			8.8	14.9	
Potassium			250.3 B	393 B	
Selenium			0.3 U	0.3 U	
Silver			0.7 U	0.6	
Sodium			35.6 B	51 B	
Thallium			0.2 U	0.1 U	
Vanadium			8.2	19.4	
Zinc			103.4	208.8	
Cyanide			0.3	0.6	

Notes:

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

J - The associated numerical value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

B - The analyte was found in the associated blank as well as the sample.

All concentrations mg/kg.

APPENDIX H

SLUDGE INVESTIGATION

This appendix was originally presented in the Predesign Investigation Report (RETEC, 1993) Section 4.1.

4.0 SLUDGE AND DEBRIS INVESTIGATION

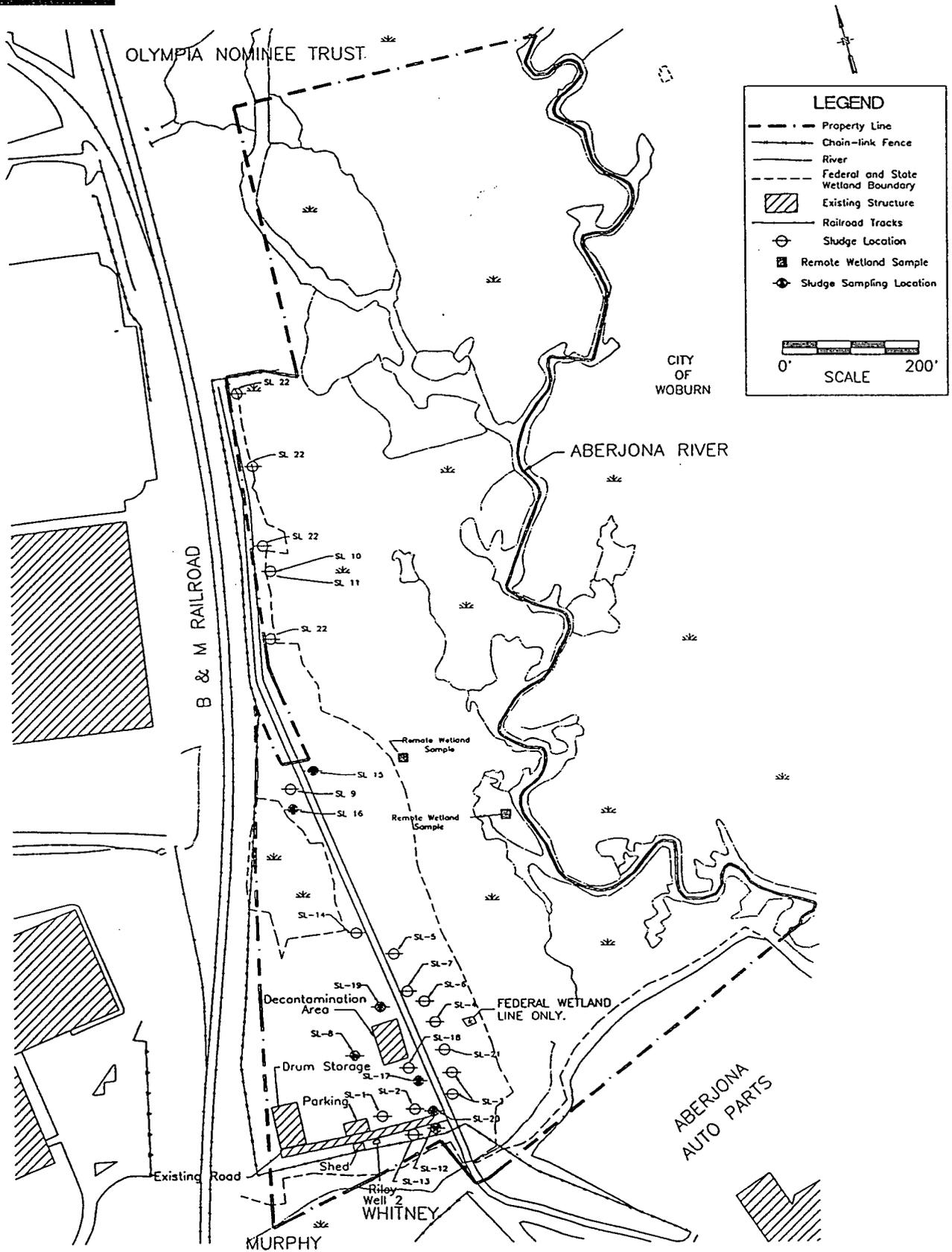
The Predesign Investigation included the determination of physical and chemical parameters for remedial design input data for sludge and debris. The purpose of the investigation was to identify all sludge and debris locations, determine the volume of each media, and their appropriate disposal options.

4.1 SLUDGE INVESTIGATION

The Predesign Work Plan included sampling and characterization of the sludge identified during the Remedial Investigation to evaluate potential treatment and disposal options. Additional data was required to define the areal extent, as well as chemical and physical characterization of the sludge. Sludges not identified during the RI were observed during the debris investigation and construction of the site infrastructure. As a result of these discoveries, the scope of the Predesign Investigation sludge characterization tasks was expanded to ensure that all sludges on the Wildwood Property were identified. Sludge, present in areas used during site activities, were removed and stockpiled on site. Others were left in place. Compliance sampling of the soils underlying sludge has been postponed until all sludge can be removed from the ground surface and consolidated.

4.1.1 Delineation of Sludge Locations

In October 1992, each of the ten sludge locations identified during the RI (identified as SL-1 through SL-11) were located, cleared of leaves and brush, and an estimate of their volume was made. Locations of SL-10 and SL-11 were duplicate samples collected at the same site. Figure 2-4 presents the locations of the sludge identified during the RI. The sludge at locations SL-1, 2, 4, 5, and 8 was consolidated into a 55-gallon drum. The extent of the sludge at locations SL-3, 6, 7, and 10 was greater than suggested by the RI. Due to the larger than expected volume of



NOTE: A Remote Wetland Sample Was Collected Under Location SL-17

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REVISED SLUDGE LOCATION MAP

FIGURE 4-1

these materials, excavation of these sludges was postponed until a complete and thorough delineation of all sludges on site could be conducted.

Additional sludge locations were encountered during construction of site facilities. A moist yellow powder was discovered at the decontamination pad exit ramp (SL-17 and SL-18), and across the access road from this location (SL-21). These locations are presented in Figure 4-1. The powder was discovered in an area approximately three feet in diameter by six inches deep at SL-17. Location SL-18 consisted of one cubic yard of yellow powder and associated soil, and SL-21 consisted of approximately 0.1 cubic yard of yellow powder and a blue solid. The bulk of the yellow powder was shoveled into a 55-gallon drum. The remaining powder and affected soil were excavated, moved to a lined stockpile, and covered with plastic. The solid blue material was placed into a five-gallon bucket and stored in the drum storage facility.

During the debris investigation, a black, viscous sludge was observed west of the access road. The sludge was again encountered during construction of the entrance ramp to the decontamination pad. The sludge was first excavated onto plastic sheeting with a backhoe and then moved into roll-off boxes using a front-end loader. A total of three, four-cubic yard boxes were filled with the tar and affected soil. Location of the black viscous sludge (SL-19) is presented in Figure 4-1.

A green material with the texture of finely-shredded plastic was discovered during the excavation of a trench for the wastewater treatment system drainage line (SL-20). The bulk of the green resin was shoveled into a 55-gallon drum; the remainder of the green material and the associated soil was excavated, moved to a lined stockpile, and covered with plastic.

4.1.1.1 Supplemental Sludge Investigation

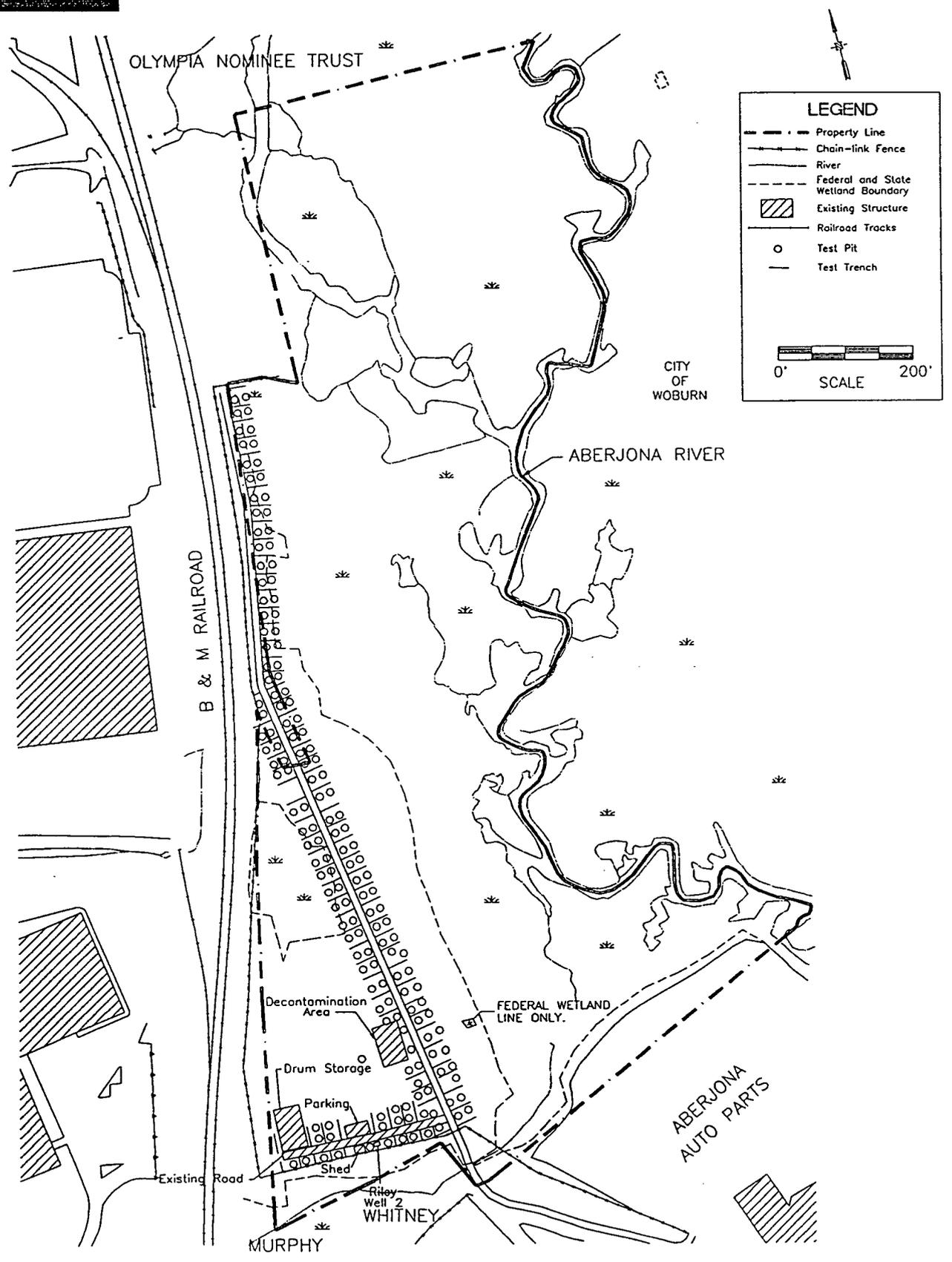
A supplemental sludge investigation was conducted between November 24, 1992 and December 9, 1992 to further identify and delineate sludge areas on the Wildwood Property. The objective of the investigation was to fully delineate sludges identified during the RI and during predesign activities, and to identify previously undiscovered sludges. The investigation took place along the access road running north to south through the property and along a smaller road accessing the Riley Well in the southern portion of the property. Exploration was conducted with an excavator capable of reaching 25 feet while remaining on the access roads.

Shallow test trenches were excavated perpendicular to the road every 25 feet on each side of the two access roads. In locations where obstructions such as debris piles, large trees, or sewer manholes were present, the trench was moved or shortened to avoid the obstruction. In the northern portion of the site where the Aberjona River wetland extends westward to within 25 feet of the access road, the test trenches were excavated to the wetland boundary. Two test pits, three to six feet in length, were excavated in the intervals between each of the trenches. Both test trenches and pits were excavated to a depth of one to three feet. Excavation in the vicinity of the Massachusetts Water Resources Authority (MWRA) and City of Woburn sewer lines was conducted with caution to ensure the integrity of the lines remained intact.

In those locations where sludge had been identified during the RI and during predesign activities, test pits were excavated in the vicinity of the exposed sludge until the perimeter of the sludge could be identified. The soils within each test pit was screened with a PID or FID. The lateral extent of each sludge was surveyed and flagged in the field. Representative samples of each new sludge material encountered was collected and shipped to New England Testing Laboratory of North Providence, Rhode Island (NETL) for chemical characterization. Figure 4-1 shows the locations of the sludge samples collected for chemical characterization. Figure 4-2 presents the locations of the test trenches and test pits excavated during the supplemental sludge investigation.

4.1.2 Sludge Sampling and Analysis

Each of the ten sludge locations identified in the RI were analyzed during the RI for VOCs, PAHs, pesticides, PCBs, and metals. The results of these analyses are summarized in Table 2-3. Samples of each new type of sludge identified during the Predesign Investigation was collected as it was discovered and analyzed by an industrial chemist (NETL) to characterize the sludges, identify their likely origin, and provide information for handling the sludges. Black sludges similar in nature to the sludge identified during the RI were analyzed by gas chromatograph and compared to chromatograms of marsh deposits collected on the Wildwood Property and to chromatograms of common petroleum products. Other sludge samples were weighed before and after they were heated to 105 degrees Centigrade to remove the water content, then volatilized at approximately 600 degrees Centigrade in order to determine the amount of organic matter in the sample. The organic content of the samples were analyzed by Fourier Transform Infrared Spectroscopy to determine their chemical make-up. The inorganic portions of the samples were analyzed by scanning electron microscopy/energy dispersive X-ray spectroscopy. One sludge sample was analyzed for priority pollutant semi-volatile organics, pesticides, and PCBs. The



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TABLE 4-1
Sludge Characterization Summary
Wildwood Property, Wells G & H Superfund Site

Physical Description	I.D. Number	Volume (Cubic Yards)	Percent Organic	Primary Constituents	Characterization
Black Viscous Sludge	SL-1	0.2		Chlordane PAHs	Petroleum Residue
Black Viscous Sludge	SL-2	6		Bis (2-Ethylhexyl) Phthalate 4,4-DDT	Petroleum Residue
Black Viscous Sludge	SL-10/11	8		PAHs	Petroleum Residue
Black Viscous Sludge	SL-13	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-14	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-19	9		Not analyzed	Petroleum Residue
Black Crusty Sludge	SL-3	43		Bis (2-Ethylhexyl) Phthalate PAHs	Petroleum Residue
Black Crusty Sludge	SL-4	0.1		Bis (2-Ethylhexyl) Phthalate	Petroleum Residue
Black Crusty Sludge	SL-5	19.0		No VOC or mixed constituents of concern above cleanup criteria	Petroleum Residue
Black Crusty Sludge	SL-6/7	37		Pyrene Benzo(a)pyrene Toluene	Petroleum Residue
Black Crusty Sludge	SL-8	2.4		4,4-DDT Bis (2-Ethylhexyl) Phthalate Pentachlorophenol Tetrachloroethene	Petroleum Residue
Black Crusty Sludge	SL-9	3		Chlordane Benzoil Acid Xylenes Bis (2-Ethylhexyl) Phthalate Phenol Ethylbenzene	Petroleum Residue
Black Crusty Sludge	SL-15	12.0	25%	Asphaltic/Polymeric Resin	Petroleum Residue
Grey-White Powder	SL-22	Not estimated		Barium Sulfide	Barium Sulfide
Yellow Powder	SL-17	4.0	< 1%	Lead, Chromium	Paint Pigment
Yellow Powder	SL-18	1.0		Not analyzed	Paint Pigment
Yellow Powder	SL-21	0.1		Not analyzed	Paint Pigment
Green Sludge	SL-20	3.0	97%	Alkyd Polymers	Paint Residue
Turquoise Brittle Solid	SL-15	1.0	24%	Aromatic Esters	Dye or Pigment
Yellowish-White Gel	SL-8	0.5	100%	Petroleum Hydrocarbons	Petroleum Grease
Blue Solid	SL-21	0.1		Not analyzed	Unknown
Brown Hard Plastic	SL-16	4	34%	Polyvinyl Polymer	Pigmented Plastic
Light Brown Cellulose	SL-12	17	100%	Cellulose	Waste Filter Media

results of the analyses are summarized below and in Table 4-1. Laboratory reports are included in Appendix B.

Black Viscous Sludge

A black, viscous, oily substance was found in several locations at the Wildwood Property during the RI and the Predesign Investigation. The sludge locations identified in the RI were revisited during the Predesign Investigation. This investigation identified locations SL-1, SL-2, SL-10/11, SL-13, SL-14, and SL-19 as being black, viscous sludge. In total, approximately 45 cubic yards of the sludge and associated soil was observed. Laboratory analyses of sludges SL-1, SL-2, and SL-10/11 conducted during the RI are summarized in Table 2-3.

Chemical characterization of SL-19 during the Predesign Investigation identified this material as a medium-to-high boiling, weathered petroleum material. At the request of EPA, 25 of these compounds were identified using library matches and the internal standards used during the initial analysis. Peaks identified on the gas chromatogram were generally normal and branched alkanes and alkyl substituted naphthalenes. Compounds with the highest concentrations were dimethyl naphthalene, hexadecane, and pentadecane.

This sample was compared to chromatograms of marsh deposits collected on the Wildwood Property and common petroleum products. Sharp peaks of the chromatogram of SL-19 showed this material to exhibit the characteristics of a petroleum residue. Chromatograms of the marsh deposits showed no peaks that could be identified, rather they showed a broad, poorly defined range of organics. These chromatograms are presented in Appendix B.

Black Crusty Solid

A hard black material was originally observed during the Remedial Investigation in the following locations: SL-3, SL-4, SL-5, SL-6, SL-7, SL-8, and SL-9. Locations SL-6 and SL-7 were found to be portions of a single, continuous layer of sludge. The material was characterized during the Predesign Investigation as black, tarry, pliant to brittle, and similar in nature to the black viscous sludge but with a solid texture. In total, approximately 130 cubic yards of this material and associated soil was observed. Chemical analyses conducted during the Remedial Investigation showed that the sludge contained varying concentrations of organics, including volatiles, polyaromatic hydrocarbons, and pesticides, in similar concentrations as the black, viscous sludges observed during the RI.

A sample of the black, crusty sludge was collected at SL-15 during predesign activities and sent to NETL for characterization. The material lost approximately 25% of its weight at 500 degrees Centigrade, indicating a mix of 75% inorganics and 25% organics and water. The inorganic portion was comprised of minerals, including quartz and magnesium-based minerals with no heavy metals present in bulk quantities, and appear to be minerals consistent with the surficial geology of the area. The organic portion of the sample showed a tar-like distribution of organic compounds. Based on the analytical results, this material is most likely a residue from petroleum-based compounds.

Grey-White Powder

A grey-white powder intermixed with soil was observed at the northern boundary of the property east of the access road, extending south approximately 350 feet. This material extended as much as 30 feet east from the road in some areas. The grey-white material was observed to be a damp, fine powder with a water content of approximately 30%. Chemical characterization indicates the primary constituents were barium and sulfide.

Yellow Powder

Approximately five cubic yards of moist yellow powder was found at locations SL-17, SL-18, and SL-21 in the southern portion of the property. Greater than 99% of a sample from SL-17 was non-volatile at 660 degrees Centigrade, indicating the material was primarily inorganic. Lead and chromium were identified as the primary inorganic constituents. The organic fraction consisted of trace levels of numerous semi-volatile organics, including pyrene (4.0 ppm), phenanthrene (3.9 ppm), and fluoranthene (2.5 ppm). The pesticide 4,4'-DDT was also detected at 0.1 ppm. The results of these analyses indicate this material is paint pigment, lead chromate, which was used extensively as yellow and orange pigment in traffic paints.

Green Sludge

A small amount of green sludge was found intermixed with soil during installation of a drainage line for the on-site water treatment system (SL-20). Approximately three cubic yards of the sludge mixed with soil was observed. The material had the texture of a finely shredded plastic. A sample of this material was ashed to evaluate the amount of organic content. The result indicated that the material was 97% volatile at 600 degrees Centigrade. The bulk of the organic in the sample showed the characteristic profile of an alkyd resin, indicating this material is likely a paint residue.

Turquoise Material

A brittle turquoise material was found east of the access road at sludge location SL-15. The turquoise material covered an area approximately 14 feet x 23 feet and appeared to be about one-inch thick at the center and tapered toward the edges. The turquoise material directly overlies a black, hard asphalt-like material.

A sample of this material was collected and chemically characterized. The material lost approximately 24% of its weight at 500 degrees Centigrade, indicating a mix of 76% inorganics and 24% organics/water. The inorganic portion was comprised of magnesium-based minerals and quartz, with no heavy metals present in bulk quantities (soil). The organic fraction of the material was an aromatic ester, and is possibly a blue dye or pigment.

Yellowish-White Gel

A yellowish-white gel was found at the SL-8 location. The material was found in the same location as the black asphaltic material observed during the RI at SL-8. The gel was a pliable, viscous, translucent substance covering an area approximately eight feet by eight feet and was two inches thick. Total volume was estimated to be less than 0.5 cubic yards. When a sample of the gel was subjected to heat, the entire sample volatilized at 500 degrees Centigrade. Evaluation of the organics suggests they consist of heavy molecular weight hydrocarbon typical of petroleum-derived grease.

Blue-Grey Solid

Several small pieces of solid blue material were present at location SL-21, near the exit ramp of the decontamination facility. This material was a hard, medium blue-grey substance. The volume of blue material was estimated to be approximately 0.3 cubic feet. The material was excavated and placed in the bottom of a five-gallon bucket. The material was not sampled.

Brown Material

A hard, brown plastic-like material, covering an area approximately ten feet by ten feet, was found west of the access road in the central portion of the Wildwood Property (SL-16). Characterization of the material indicated that at 500 degrees Centigrade, approximately 34% of a sample of the material volatilized, indicating a 66%/34% inorganic/organic makeup. The

inorganic fraction was composed primarily of minerals containing iron oxides, silica and alumina (sand). The organic portion of the sample was a pigmented plastic.

Light Brown Cellulose

A light brown fibrous material was observed immediately inside the entrance gate to the Wildwood Property on the west side of the access road. The sludge has been identified at SL-12. Results of chemical characterization indicated that the fiber was a cellulosic material (e.g., cotton or paper) similar to that used in filter media. Some acrylic binder or resin was also present in the sample.

4.1.3 Sludge Consolidation

A portion of the sludges encountered on the Wildwood Property have been removed from the ground surface and consolidated. The black viscous sludge at SL-13, SL-14, and SL-19 were excavated during construction of site facilities and contained in three, four-cubic yard bins. Approximately five cubic yards of yellow powder observed at SL-17, SL-18, and SL-21 was consolidated into a roll-off container. Smaller amounts of this material were left in debris piles for later consolidation efforts. The green material (SL-20) was completely excavated and stockpiled. These stockpiled sludges have been sampled for disposal characterization and will be removed from the site once the results of the disposal characterization have been received and disposal options for the materials have been reviewed.

Disposal options for the remaining sludges are also under review. Additional delineation work is planned for the grey-white powder (SL-22), which was not fully delineated during site investigation work conducted to date.

APPENDIX I

SLUDGE CHARACTERIZATION

Sludge Sampling

Sludge characterization sampling at the Wildwood Property was performed on Wednesday, May 12, 1993. The sludge was sampled to determine an appropriate disposal facility. Figure 1 presents the locations of sludge found at the site. Table 1 presents a characterization of the sludge found on site including, a description of the sludge, the percent organics found in the sludge, and the primary constituents making up the sludge. The sludge was classified in three groups as follows:

- Group F - Black Viscous Sludge; including sludges from locations SL-1, SL-2, SL-10/11, SL-13, SL-14, SL-12, and a drum of sludge consolidated during the predesign investigation in November 1992.
- Group G - Black Crusty Sludge; including sludges from locations SL-3, SL-4, SL-5, SL-6, SL-7, and SL-15.
- Group H - All Remaining Sludges; including SL-15, SL-8, SL-21, SL-16, SL-12 and SL-9.

Portions of the following sludge locations were bulked into a single 55 gallon drum during predesign activities in the summer of 1992; SL-1, SL-2, SL-4, SL-5, and SL-8. The contents of this drum were included in Group F. Not all of the sludge from these locations was consolidated. Any sludge remaining in the original locations was included in the groups as listed above.

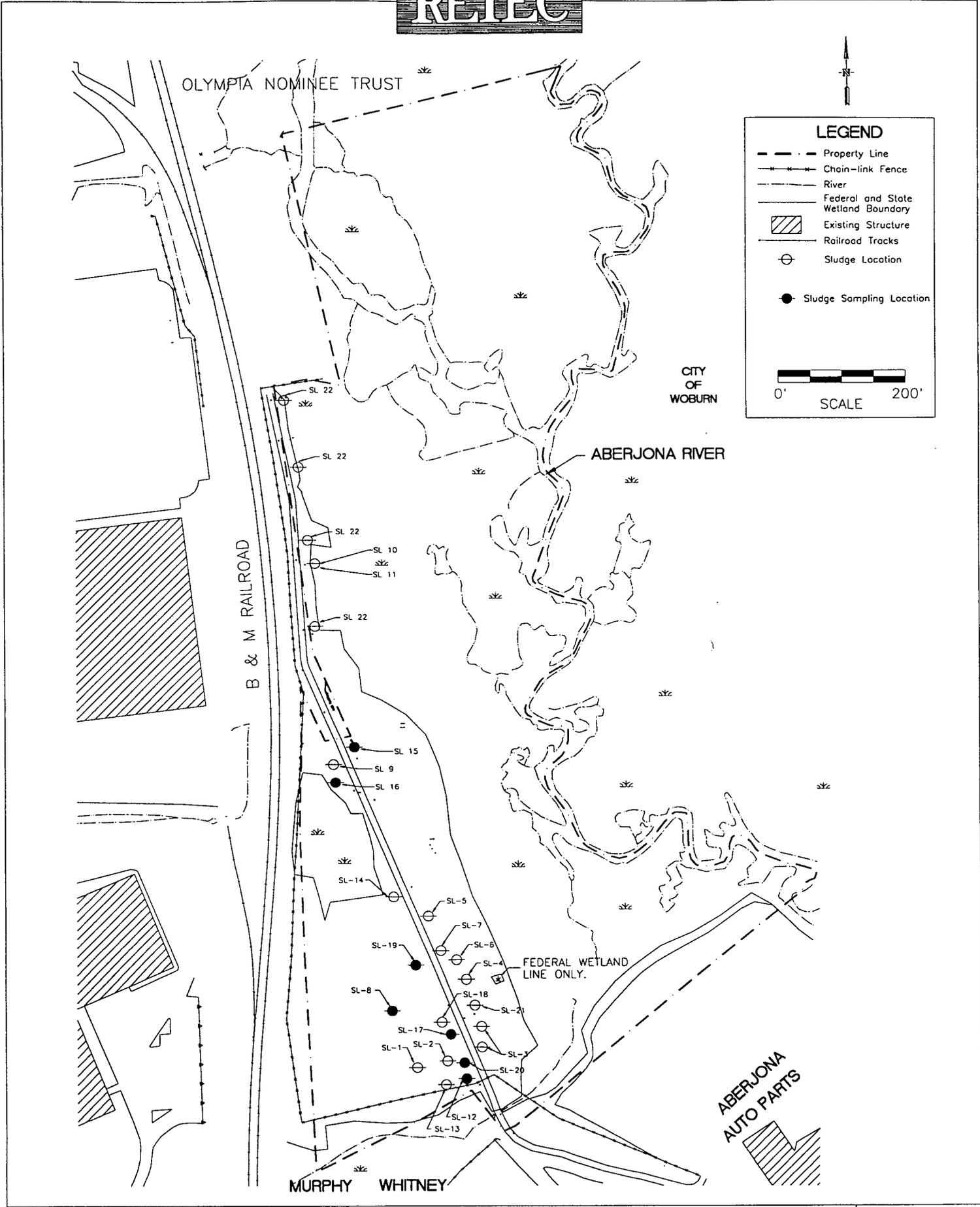
Sludges SL-17, SL-18, SL-20, and SL-21, shown on Figure 1, were consolidated during predesign activities, into Group D, as debris soil. A composite sample taken from Group D during the debris soil sampling. The sample was analyzed for full TCLP, RCRA Characteristics, pesticides, and PCBs.

Sludge at location SL-19, shown on Figure 1, was consolidated during predesign activities and sampled with the debris soil as Group E. The sample was analyzed for full TCLP, RCRA Characteristics, pesticides, and PCBs.

Sampling, packaging and shipment of samples, and sampling equipment decontamination were performed in accordance with procedures outlined in the SAP (RETEC, 1992). Aliquot samples were taken from each sludge locations in a group and placed into a 5 gallon bucket. Once

aliquots were taken from each sludge location within the group, the aliquots were mixed thoroughly. One 250-ml composite sample was taken from the mixture of aliquots. Three 250-ml samples in all were collected, one from each group, and sent to New England Testing Lab to be analyzed. The samples were analyzed for full TCLP, corrosivity, reactivity, ignitability, toxicity, pesticides, PCBs, Total Petroleum Hydrocarbons (TPH), and total Halogens (TOX). These samples consisted of four 250-ml sample jars for each group.

Sample results from sludge Groups D and E are included as attachments. The sampling of sludge Groups D and E was done in conjunction with debris soil "A". For a complete explanation of this material, refer to Section 2.3.



REVISED SLUDGE LOCATION MAP

TABLE 1
Sludge Characterization Summary
Wildwood Property, Wells G & H Superfund Site

Physical Description	I.D. Number	Volume (Cubic Yards)	Percent Organic	Primary Constituents	Characterization
Black Viscous Sludge	SL-1	0.2		Chlordane PAHs	Petroleum Residue
Black Viscous Sludge	SL-2	6		Bis (2-Ethylhexyl) Phthalate 4,4-DDT	Petroleum Residue
Black Viscous Sludge	SL-10/11	8		PAHs	Petroleum Residue
Black Viscous Sludge	SL-13	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-14	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-19	9		Not analyzed	Petroleum Residue
Black Crusty Sludge	SL-3	43		Bis (2-Ethylhexyl) Phthalate PAHs	Petroleum Residue
Black Crusty Sludge	SL-4	0.1		Bis (2-Ethylhexyl) Phthalate	Petroleum Residue
Black Crusty Sludge	SL-5	19.0		No VOC or mixed constituents of concern above cleanup criteria	Petroleum Residue
Black Crusty Sludge	SL-6/7	37		Pyrene Benzo(a)pyrene Toluene	Petroleum Residue
Black Crusty Sludge	SL-8	2.4		4,4-DDT Bis (2-Ethylhexyl) Phthalate Pentachlorophenol Tetrachloroethene	Petroleum Residue
Black Crusty Sludge	SL-9	3		Chlordane Benzoil Acid Xylenes Bis (2-Ethylhexyl) Phthalate Phenol Ethylbenzene	Petroleum Residue
Black Crusty Sludge	SL-15	12.0	25%	Asphaltic/Polymeric Resin	Petroleum Residue
Grey-White Powder	SL-22	Not estimated		Barium Sulfide	Barium Sulfide
Yellow Powder	SL-17	4.0	< 1%	Lead, Chromium	Paint Pigment
Yellow Powder	SL-18	1.0		Not analyzed	Paint Pigment
Yellow Powder	SL-21	0.1		Not analyzed	Paint Pigment
Green Sludge	SL-20	3.0	97%	Alkyd Polymers	Paint Residue
Turquoise Brittle Solid	SL-15	1.0	24%	Aromatic Esters	Dye or Pigment
Yellowish-White Gel	SL-8	0.5	100%	Petroleum Hydrocarbons	Petroleum Grease
Blue Solid	SL-21	0.1		Not analyzed	Unknown
Brown Hard Plastic	SL-16	4	34%	Polyvinyl Polymer	Pigmented Plastic
Light Brown Cellulose	SL-12	17	100%	Cellulose	Waste Filter Media

REPORT OF ANALYTICAL RESULTS

Case Number: D0513-17

Prepared for:

Remediation Technologies, Inc.
9 Pond Lane
Concord, MA 01742
Attn: Andy Gates

Prepared by:

New England Testing Laboratory, Inc.
1254 Douglas Avenue
North Providence, RI 02904

Date Reported: 24 MAY 1993

Reviewed By: 
Mark H. Bishop
Laboratory Director

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

Sample Description

The following samples were submitted to New England Testing Laboratory on 13 MAY 1993:

"Wells G & H/Woburn, MA"

1. Group F
2. Group G
3. Group H

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0513-17

Request for Analysis

The following table details the analyses performed on the samples:

<u>Sample</u>	<u>Analysis</u>	<u>Method*</u>
D0513-17:		
1. Group F	Corrosivity-pH	9040
2. Group G	Reactivity-CN	Section 7.3.3.2
3. Group H	S	Section 7.3.4.1
	Ignitability	1010
	Pesticides/PCB's	8080
	Total Petroleum	8015 Mod.
	Hydrocarbons	
	Total Halogens	ASTM E442
	TCLP Extraction	1311
	TC Volatiles	8240
	TC Semivolatiles	8270
	Arsenic	7060
	Barium	6010
	Cadmium	6010
	Chromium	6010
	Lead	6010
	Mercury	7470
	Selenium	7740
	Silver	6010
	Pesticides	8080
	Herbicides	8150

*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

ASTM Volume 9.01 Rubber, Natural and Synthetic - General Test Methods; Carbon Black

ASTM Volume 15.05 Engine Coolants; Halogenated Organic Solvents; Industrial Chemicals

Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

Case No. D0513-17

Group F

<u>Parameter</u>	<u>Result, mg/Kg</u>
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.3
Ignitability, Deg. F	>200
Total Petroleum Hydrocarbons	24,300
Total Halogens	586

Sample: Group F

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Analyzed*: 5/17/93

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	1.7	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	23	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Group F

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Analyzed: 5/19/93

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	91	88-110
1,2-Dichloroethane-d4	87	76-114
4-Bromofluorobenzene	92	86-115

Sample: Group F

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Prep Extracted: 5/20/93

Date Analyzed: 5/20/93

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	0.11	0.03
2,4-D	<0.25	10.0
Endrin	<0.005	0.02
Heptachlor	<0.005	0.008
Heptachlor Epoxide	<0.005	0.008
Lindane	<0.005	0.4
Methoxychlor	<0.025	10.0
Toxaphene	<0.05	0.5
2,4,5-TP Silvex	<0.25	1.0

Sample: Group F

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Prep Extracted: 5/20/93

Date Analyzed: 5/20/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	71	35-114
2-Fluorobiphenyl	73	43-116
p-Terphenyl d14	109	33-141
Phenol d6	54	10-94
2-Fluorophenol	49	21-100
2,4,6-Tribromophenol	90	10-123

Sample: Group F

Case No. D0513-17

Date Analyzed: 5/20/93

Subject: Pesticides and PCB's

Method: EPA 8080

<u>Compound</u>	<u>Concentration mg/Kg (ppm)</u>	<u>Reporting Limit</u>
Aldrin	N.D.	<25
alpha-BHC	N.D.	<25
beta-BHC	N.D.	<25
delta-BHC	N.D.	<25
gamma-BHC	N.D.	<25
Chlordane	9900	<125
4,4'-DDD	N.D.	<25
4,4'-DDE	N.D.	<25
4,4'-DDT	N.D.	<25
Dieldrin	N.D.	<25
Endosulfan I	N.D.	<50
Endosulfan II	N.D.	<50
Endosulfan sulfate	N.D.	<50
Endrin	N.D.	<25
Endrin aldehyde	N.D.	<25
Heptachlor	N.D.	<25
Heptachlor epoxide	N.D.	<25
Methoxychlor	N.D.	<50
Toxaphene	N.D.	<125
PCB-1016	N.D.	<25
PCB-1221	N.D.	<25
PCB-1232	N.D.	<25
PCB-1242	N.D.	<25
PCB-1248	N.D.	<25
PCB-1254	N.D.	<25
PCB-1260	N.D.	<25

Case No. D0513-17

Group G

<u>Parameter</u>	<u>Result, mg/Kg</u>
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.8
Ignitability, Deg. F	>200
Total Petroleum Hydrocarbons	9000
Total Halogens	346

Sample: Group G

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Analyzed*: 5/17/93

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	<0.5	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	1.3	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Group G

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Analyzed: 5/19/93

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	0.51	0.7
Trichloroethylene	0.08	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	93	88-110
1,2-Dichloroethane-d4	89	76-114
4-Bromofluorobenzene	94	86-115

Sample: Group G

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Prep Extracted: 5/20/93

Date Analyzed: 5/20/93

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Group G

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Prep Extracted: 5/20/93

Date Analyzed: 5/20/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	76	35-114
2-Fluorobiphenyl	83	43-116
p-Terphenyl d14	115	33-141
Phenol d6	55	10-94
2-Fluorophenol	54	21-100
2,4,6-Tribromophenol	77	10-123

Sample: Group G

Case No. D0513-17
Date Analyzed: 5/20/93

Subject: Pesticides and PCB's
Method: EPA 8080

<u>Compound</u>	<u>Concentration mg/Kg (ppm)</u>	<u>Reporting Limit</u>
Aldrin	N.D.	<25
alpha-BHC	N.D.	<25
beta-BHC	N.D.	<25
delta-BHC	N.D.	<25
gamma-BHC	N.D.	<25
Chlordane	642	<125
4,4'-DDD	N.D.	<25
4,4'-DDE	N.D.	<25
4,4'-DDT	N.D.	<25
Dieldrin	N.D.	<25
Endosulfan I	N.D.	<50
Endosulfan II	N.D.	<50
Endosulfan sulfate	N.D.	<50
Endrin	N.D.	<25
Endrin aldehyde	N.D.	<25
Heptachlor	N.D.	<25
Heptachlor epoxide	N.D.	<25
Methoxychlor	N.D.	<50
Toxaphene	N.D.	<125
PCB-1016	N.D.	<25
PCB-1221	N.D.	<25
PCB-1232	N.D.	<25
PCB-1242	N.D.	<25
PCB-1248	N.D.	<25
PCB-1254	N.D.	<25
PCB-1260	N.D.	<25

Case No. D0513-17

Group H

<u>Parameter</u>	<u>Result, mg/Kg</u>
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	6.6
Ignitability, Deg. F	>200
Total Petroleum Hydrocarbons	22,700
Total Halogens	952

Sample: Group H

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Analyzed*: 5/17/93

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	<0.5	100.0
Cadmium	0.12	1.0
Chromium	0.25	5.0
Lead	2.9	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Group H

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Analyzed: 5/19/93

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Benzene	0.03	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	97	88-110
1,2-Dichloroethane-d4	77	76-114
4-Bromofluorobenzene	90	86-115

Sample: Group H

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Prep Extracted: 5/20/93

Date Analyzed: 5/20/93

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	0.02	0.03
2,4-D	<0.10	10.0
Endrin	<0.002	0.02
Heptachlor	<0.002	0.008
Heptachlor Epoxide	<0.002	0.008
Lindane	<0.002	0.4
Methoxychlor	<0.01	10.0
Toxaphene	<0.02	0.5
2,4,5-TP Silvex	<0.10	1.0

Sample: Group H

Case No. D0513-17

Date TCLP Extracted: 5/13/93

Date Prep Extracted: 5/20/93

Date Analyzed: 5/20/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	71	35-114
2-Fluorobiphenyl	77	43-116
p-Terphenyl d14	106	33-141
Phenol d6	59	10-94
2-Fluorophenol	55	21-100
2,4,6-Tribromophenol	90	10-123

Sample: Group H

Case No. D0513-17
Date Analyzed: 5/20/93

Subject: Pesticides and PCB's
Method: EPA 8080

<u>Compound</u>	<u>Concentration mg/Kg (ppm)</u>	<u>Reporting Limit</u>
Aldrin	N.D.	<25
alpha-BHC	N.D.	<25
beta-BHC	N.D.	<25
delta-BHC	N.D.	<25
gamma-BHC	N.D.	<25
Chlordane	2310	<125
4,4'-DDD	N.D.	<25
4,4'-DDE	N.D.	<25
4,4'-DDT	N.D.	<25
Dieldrin	N.D.	<25
Endosulfan I	N.D.	<50
Endosulfan II	N.D.	<50
Endosulfan sulfate	N.D.	<50
Endrin	N.D.	<25
Endrin aldehyde	N.D.	<25
Heptachlor	N.D.	<25
Heptachlor epoxide	N.D.	<25
Methoxychlor	N.D.	<50
Toxaphene	N.D.	<125
PCB-1016	N.D.	<25
PCB-1221	N.D.	<25
PCB-1232	N.D.	<25
PCB-1242	N.D.	<25
PCB-1248	N.D.	<25
PCB-1254	N.D.	<25
PCB-1260	N.D.	<25

CUSTODY RECORD

Case No. D0210-05

Grp. D Rolloff Box 13 & Stockpiled Soil

<u>Parameter</u>	<u>Result, mg/Kg</u>
Reactivity	
Sulfide	1.1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil
Date TCLP Extracted: 2/10/93
Date Analyzed*: 2/11/93

Case No. D0210-05

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	1.36	100.0
Cadmium	0.36	1.0
Chromium	0.27	5.0
Lead	0.66	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil
Date TCLP Extracted: 2/10/93
Date Analyzed: 2/10/93

Case No. D0210-05

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration</u> <u>mg/L (ppm)</u>	<u>Regulatory</u> <u>Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	91	88-110
1,2-Dichloroethane-d4	93	76-114
4-Bromofluorobenzene	102	86-115

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil
Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

Case No. D0210-05

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. D Rolloff Box 13
& Stockpiled Soil
Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

Case No. D0210-05

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	82	35-114
2-Fluorobiphenyl	88	43-116
p-Terphenyl d14	85	33-141
Phenol d6	44	10-94
2-Fluorophenol	69	21-100
2,4,6-Tribromophenol	98	10-123

Sample: Grp. D

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

<u>Compound</u>	<u>Concentration mg/Kg (ppm)</u>	<u>Reporting Limit</u>
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Comment: This sample contains chlordane at 0.84 mg/Kg

Case No. D0210-05

Grp. E Dumpster 14,15,16

<u>Parameter</u>	<u>Result, mg/Kg</u>
Reactivity	
Sulfide	1.9
Cyanide	<0.3
Corrosivity	
pH, S.U.	4.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed*: 2/11/93

<u>TCLP Extractable Metals:</u>	<u>Result, mg/L</u>	<u>Regulatory Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	0.51	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	<0.2	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

* Date Completed

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed: 2/16/93

TCLP Volatile Organic Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Toluene d8	92	88-110
1,2-Dichloroethane-d4	102	76-114
4-Bromofluorobenzene	110	86-115

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

TCLP Extractable Pesticides/Herbicides:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

TCLP Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

TCLP Semivolatile Acid Extractable Compounds:

<u>Compound</u>	<u>Concentration mg/L (ppm)</u>	<u>Regulatory Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:

	<u>% Recovery</u>	<u>Limits</u>
Nitrobenzene d5	80	35-114
2-Fluorobiphenyl	83	43-116
p-Terphenyl d14	98	33-141
Phenol d6	39	10-94
2-Fluorophenol	62	21-100
2,4,6-Tribromophenol	100	10-123

Sample: Grp. E

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's
Method: EPA 8080

<u>Compound</u>	<u>Concentration mg/Kg (ppm)</u>	<u>Reporting Limit</u>
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Comment: This sample contains chlordanes at 1.1 mg/Kg

CUSTODY RECORD

Attachment I-1

**Waste Profile Sheet
Group F
Hazardous Sludge**

ENVIROSAFE SERVICES OF OHIO, INC.
 876 OTTER CREEK RD. P.O. Box 167571
 OREGON, OHIO 43616-7571 U.S. EPA I.D. No.
 OHD045243706

Generator's Area Code **617**

GENERATOR-STREAM NUMBER

15698-001

WASTE PRODUCT QUESTIONNAIRE

Direct Telephone 419-255-5100 Toll Free (Ohio) 800-472-0414 Toll Free (Outside Ohio) 800-537-0426 Telefax 419-255-8028

SECTION A - GENERATOR DATA

1. Generator: Bestrice Co.
 Address: 208 S. LaSalle St / 246 Rear Salem
 City/State: Chicago, IL / Woburn, MA Zip: 01801
 Tech. Contact: JAMIE GRACCA Tel: (508) - 371 1422 Fax: (508) - 369 9277

2. EPA I.D.: MA P 6 1 7 9 3 5 5 5 2 3 3. SIC:

4. Billing/Broker: Remediation Technologies Inc.
 Address: 9 Pond Lane
 City/State: Concord MA Zip: 01742
 Billing Contact: JAMIE GRACCA (Agent for Bestrice) Tel: (508) - 371 1422 Fax: (508) - 369 9277

Envirosafe Services Only
 ESOI CUST # 10145
 ESOI ESAI
 Sales/Territory Area Code
401 617
 ESAI Gen-Stream Number

 ESAI CUST # 15699
 Acceptance Code ACP
 Laboratory Test Code
 Update Analysis Code ND
 Generator State Code IL

SECTION B - WASTE DESCRIPTION

1. Common Name for This Waste: Contaminated Soil
 2. Process Generating This Waste: Site Remediation

3. Annual Quantity: 1 Tons 2 Yards 50 3 Drums
 4. Shipment Duration: 1 Permanent (1 Year or Longer) 2 Temporary (Less Than 1 Year) 3 One Time Disposal
 5. Shipment Mode: 1 Bulk 2 Palletized Boxes 3 Woven Cloth Bags 4 Metal Drums 5 Other - Explain in Section H

SECTION C - PHYSICAL PROPERTIES

1. Describe Physical State at 70° F: 1 Dry Solid 2 Damp Solid 3 Semi-Solid / Gel 4 Flowable Liquid 6 Labpack
 2. Describe Load Bearing Strength at 70° F: 1 Solid / Rigid 2 Sludge 3 Weak / None 2.1 Ponotrometer PSI: N.T. 2.2 % Solids @105°C: ≈ 90%
 3. Describe Physical Appearance of Waste (Include Color, Variations): Soil contaminated with black TAR 4. Apparent Density of Waste: 3000 Lb / Cu. Yard
 5. Flash Point (TAG or Setaflash Closed Cup): 1 25-70° F 2 70-100° F 3 100-140° F 4 >140° F > 200 ° F 5.1 Actual Flash Point: > 200 ° F 5.2 Combustible: 1 Yes 2 No
 6. pH (10 % Slurry in Distilled Water for Solids): 1 < 2.0 2 2.0-5.0 3 5.0-10.0 4 10.0-12.5 5 > 12.5 6.1 Actual pH (S.U.): 5.3
 7. Describe Odor of Waste: 1 None 2 Slight 3 Strong 8. Describe Temperature of Waste at Time of Disposal: 1 Ambient -100° F 2 100-140° F 3 >140° F

Address Correction per B. Millman 1/26/94



SECTION D - WASTE COMPOSITION GENERATOR-STREAM NUMBER
15698-00

1. List all components within the waste stream by percentage. Account for 100 percent of waste in the TYPICAL % column. Page 2

	RANGE %	TYPICAL %
1. Soil	-	88.74
2. Water (bound)	-	7
3. Chlordane	-	1
4. Total haloscar	-	0.06
5. Total Petroleum hydrocarbons	-	3
6.	-	
7.	-	
8.	-	
9.	-	
10.	-	

SECTION E - ANALYTICAL REPORT SAMPLING CERTIFICATION

U.S. EPA SW-846 methods are required for all RCRA-mandated testing. Include dated laboratory report for all values reported.

1. Values reported are: 1 Actual 2 Highest 3 Lowest 4 Average 5 Other
2. Describe sampling devices used: Hand Auger
3. Sample collection method: 1 Grab 2 Composite 3 Other

Circle or List A,B,C -> PARAMETER Column 1	Total (A) EP-Tox (B) TCLP (C)	Analysis Method Reference	Circle or List -> PARAMETER Column 2	mg/L (D) mg/Kg (E) Other (F)	Analysis Method Reference	Circle or List A,B,C -> PARAMETER Column 3	Total (A) EP-Tox (B) TCLP (C)	Analysis Method Reference
Antimony			Cyanide Total			•Acetone		
Arsenic	< 0.1	6010	Cyanide Amen			•Butanol		
Barium	1.7	6010	HCN @ pH 2.0	4.03	1.3.32	•Carbon Disulfide		
Beryllium			Sulfide Total			•Carbon Tetrachloride	< 0.02	8240
Cadmium	< 0.05	6010	Sulfide Free			•Chlorobenzene	< 0.02	8240
Chromium (hex)			H2S @ pH 2.0	41.0	1.34.1	•Cresols - [o], [m], [p]	< 0.1	8270
Chromium (total)	< 0.05	6010	Phenolics			•Cresylic Acid		
Copper			Chloride			•Cyclohexanone		
Lead 72.8%	23.0	6010	Fluoride			•1,2-Dichlorobenzene		
Mercury	< 0.05	7470	Phosphate			•Ethyl Acetate		
Nickel			Sulfate			•Ethyl Benzene		
Selenium	< 0.1	7740	Nitrate-N			•Ethyl Ether		
Silver	< 0.05	6010	Nitrite-N			•Isobutanol		
Thallium			Ammonia-N			•Methanol		
Zinc			Kjeldahl-N			•Methylene Chloride		
Endrin	< 0.05	8080	Oil & Grease			•Methyl Ethyl Ketone	< 0.05	8240
Lindane	< 0.05	8080	TOC (Carbon)			•Methyl Isobutyl Ketone		
Methoxychlor	< 0.05	8080	TOX (Halogen)	586AE	E 442	•Nitrobenzene	< 0.05	8270
Toxaphene	< 0.05	" "	PCB's	NDAG	9080	•Pyridine	< 0.05	8270
2,4-D	< 0.25	8080	HOC's - (268)			•Tetrachloroethylene	< 0.02	8240
2,4,5-TP (Silvex)	< 0.25	" "				•Toluene		
Chlordane	0.11	8080				•1,1,1-Trichloroethane		
Heptachlor & its-OH	< 0.05	8080				•Trichlorotrifluoroethane		
Hexachlorobenzene	< 0.05	8270				•Trichloroethylene	< 0.02	8240
Hexachloroethane	< 0.05	" "				•Trichlorofluoromethane		
HexaCl-1,3Butadiene	< 0.05	8270				•Xylene(s)		
2,4,6-Trichlorophenol	< 0.1	8270				Benzene	< 0.02	8240
2,4,8-Trichlorophenol	< 0.1	" "				1,1,2-Trichloroethane		
Pentachlorophenol	< 0.1	8270	pH-10% Slurry	5.5	9040	2-Ethoxyethanol		
2,4-Dinitrotoluene	< 0.05	8270	Flash Point	7200°F	1010	2-Nitropropane		
Sample Prep. Method	SW-846:		Sample Prep. Method	SW-846:		Chloroform	< 0.02	8240
EP-Toxicity Extraction	1310/6010					1,4-Dichlorobenzene	< 0.02	8240
TCLP Extraction	502					1,2-Dichloroethane	< 0.02	8240
						1,1-Dichloroethylene	< 0.02	8240

SECTION J: GENERATOR CERTIFICATION GENERATOR-STREAM NUMBER
15698-001

1. GENERATOR CERTIFICATION STATEMENT: Page 4

I hereby certify that as an authorized representative of the generator named herein, to the best of my knowledge all information submitted in this and all attached documents is true and accurate. I certify that a representative sample (if any) of the waste described herein was collected and analyzed according to the methods on this form and all known and suspected hazardous components have been included in the documentation.

Are the transportation or disposal services to be performed by ESOI subject to any prevailing wage requirements? Yes No

If yes, describe the requirement(s) in Section H, and attach a schedule of the prevailing wages.

2. GENERATOR SIGNATURE: James R Greacen DATE: 1-12-94

James Greacen (Agent for Beatrice) Remediation Technology

NAME (Printed or Typed) TITLE COMPANY

SECTION K: ENVIROSAFE SITE USE ONLY

01. Normal Operating Hours: 6:45 AM - 3:30 PM. Drums, Bags, Boxes and Special Handling 7:00 AM - 2:00 PM

02. Gen-Stream Number Must Appear on Each Manifest Required by EPA or DOT; ERC Document, Phone & Route Information

03. Bulk Tonnage Disposal Charges Will be Billed by the Cubic Yard if Waste Density is Less Than 2000 Pounds per Cubic Yard

04. Acceptance Ends _____ 19____; Provide Initial WMA Report to OEPA by _____ 19____ To Continua

05. Generator Must Provide Updated Analysis _____ 19____ and Annually Thereafter; Retest if Waste Changes

06. pH of a 10% Slurry of Waste in Distilled Water Must be at Least 5 but Less Than 12.5 by ESOI Methods

07. Flash Point of Incoming Material Must Be 2140 ° F or Greater by ESOI Methods

08. Bulk No Unauthorized Materials or Free Liquids

09. Bulk Scheduling Requirements

10. Bulk GSN's Prohibition on Mix Without Authorization

11. General Bulk Waste Mixing Instructions

12. Bulk Must Contain Sufficient Moisture to Suppress Dust

13. Woven Cloth Bags: Acceptance Requirements

14. Palletized Boxes: Acceptance Requirements

15. Material Solid, Non-flowable & Penetrometer Standard

16. Miscellaneous Debris 3 Feet Dimensional Limit

17. ESOI has Stds. for Odor, Temperature & Liquid Stability

18. Odorous Waste May Not be Acceptable

19. Cyanide or Sulfide Concentration Limit Requirements

20. PCB Concentration Limit Requirements

21. Landfill Isolation Requirements

22. Generator Must Schedule Containers, Obtain Accp. No.

23. GSN Stenciled on Each Drum or Container (Top, Side)

24. Drums No Free Liquid, Void Space, Metal, < 800 Pounds

25. Containerized Material Must be Solid, Non-flowable

26. Requirements for Land Restricted Waste E, X, Y, TC (see c. and fields)

27. ESI Corporate Approval for Restricted Waste Required

28. Participation in Envirostate Analysis Plan _____

29. Heat Generation in Contact With Water Requirements

30. Caustic Concentration Limit Requirements

31. Gas Generation in Contact With Water Requirements

32. Standard Conditions for Custom Asbestos

33. Standard Conditions for Generic Asbestos

34. Standard Conditions for Custom Labpacks

35. Standard Conditions for Generic Labpacks

36. Consent-To-Service Form Required

37. Submit or Correct Sampling & Analysis Certification

38. Submit or Correct HSWA Profile Checklist

39. Standard Conditions for Non-Hazardous Industrial Waste

40. Stabilization-Treatment Mix Design Price & Adjustment

41. Stabilization-Treatment Waste Constituent Conformance

42. Pre-Acceptance Sample Requirements

43. Narrative Description Acceptance Requirements

44. Prior to release of GSN, generator must provide power of attorney for Remediation Technology to authorize them to profile, manifest and certify waste disposal. As an alternative, generator must sign page 4 of the WMA.

James R. Wade DATE: 1-12-94 Client Service Rep

SIGNATURE DATE TITLE

SECTION L: REGULATORY AGENCY USE ONLY

1. ACCEPTANCE STATUS:

1 Accepted (ACP) 2 Conditional (CON) 3 Withhold (WHO) 4 Acceptance Denied (DNY)

2. CONDITIONS FOR ACCEPTANCE OR REASONS FOR DENIAL:

E. J. Wade DATE: 1-18-94 ES-2 OEPA

SIGNATURE DATE TITLE AGENCY

Attachment I-2

**Waste Profile Sheet
Groups G & H
Non-Hazardous Sludge**

BFI WASTE CODE

WASTE APPROVAL REQUEST

BFI to complete this area.

BFI Initiator: _____
 Location: _____
 Company Number: _____
 Telephone: () _____
 Fax: () _____
 Date: _____

Action Requested: New Waste Approval
 Up-Date Approval - Previous Number: _____
 Disposal Site Requested: _____
 Company Number: _____
 Management Method Requested: Landfill Hauling
 Other _____

**WASTE CHARACTERIZATION DATA
 SPECIAL WASTE**

IMPORTANT: THIS FORM IS TO BE COMPLETED BY A REPRESENTATIVE OF THE WASTE GENERATOR. PLEASE READ THE INSTRUCTIONS BEFORE COMPLETING THIS FORM. THIS FORM IS TO BE USED ONLY ONE TIME, AND MUST BE TYPEWRITTEN OR LEGIBLY PRINTED IN INK, AND SIGNED.

1. GENERATOR INFORMATION

a) Generator's Name: Beatrice Company
 b) Generating Facility's Address: 246 P. Salem St
 City: Woburn State: MA Zip: 01801
 c) Generator's Representative: Jamie Greacen
 Title: Project Manager
 Telephone: (508) 371-1422
 Fax: (508) 369-9279
 d) Emergency/Information Contact: Jamie Greacen
 Title: Project Manager
 Telephone: (508) 371-1422

e) State/Provincial/Local Registration No.: _____
 Generator's EPA Id. No.: MP617935523
 Industry Description/SIC Code: _____
 f) Customer's Name: Beatrice Company
 g) Customer's Mailing Address: Care of Retel
 City: Concord State: MA Zip: 01742
 h) Representative: Jamie Greacen
 Telephone: (508) 371-1422
 Fax: (508) 369-9279

2. GENERAL WASTE STREAM INFORMATION

a) Name/Description of The Waste: Contaminated Soil
 b) Process Generating Waste: Remediation of a suspected site
 c) Is this a treatment residue of a waste which was previously a restricted hazardous waste? Yes No
 If yes, describe the waste and the process generating the waste prior to treatment. _____
 d) Is this a "Hazardous Waste" as defined by State, Provincial, or local Regulations? Yes No
 If yes, enter the Waste Identification Number if one has been assigned: _____
 e) Is this a "Special Waste", an "Industrial Process Waste", or a "Pollution Control Waste" as defined by State, Provincial, or local Regulations?
 Yes No If yes, enter Waste Identification Number: _____
 f) Recommended personal protection equipment and special handling procedures: _____
 g) Anticipated Volume: 155 Cubic Yards Tons Gallons Cubic Meters Tonnes(metric)
 Other _____ Per: Year Month Week Day One Time Other _____
 To be transported in: Bulk Drums (type/size) _____ Other _____
 h) Is a representative sample included? Yes No

3. WASTE PROPERTIES AT 72°F

a) Physical State:
 Solid Semi-solid
 Powder Liquid
 Combination
 b) Layers:
 Single-layered Bi-layered Multi-layered
 c) Color(s):
 Describe Brown
 d) Odor:
 Describe _____
 None Mild Strong
 e) Density Range: 2800 to 3200
 N/D lbs/gal. g./cc.
 lbs./yd.³ Kg/m³ Other
 f) Flash Point, °F:
 ≤ 72 73-100 101-140
 141-200 ≥ 201 N/A N/D
 g) pH:
 ≤ 2 2.1 - 5.0 5.1 - 9.0
 9.1 - 12.4 ≥ 12.5 N/A N/D

BFI WASTE CODE

4. REACTIVITY	5. THIS WASTE CONTAINS	6. SPECIAL WASTE COMPOSITION																												
<p>Note if the waste exhibits any of the following reactive properties:</p> <p><input type="checkbox"/> Water Reactive</p> <p><input type="checkbox"/> Acid Reactive</p> <p><input type="checkbox"/> Alkaline Reactive</p> <p><input type="checkbox"/> Oxidizer</p> <p><input type="checkbox"/> Autopolymerizable</p> <p><input type="checkbox"/> Pyrophoric</p> <p><input type="checkbox"/> Explosive</p> <p><input type="checkbox"/> Thermally Sensitive</p> <p><input type="checkbox"/> Shock Sensitive</p> <p><input checked="" type="checkbox"/> None of the above</p>	<p>Note if the waste contains any of the following: If any are checked "Yes", specify type (if applicable) and include its concentration as part of the waste composition, Section 6.</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Free Liquids</td> <td><input type="checkbox"/> OSHA Substances</td> </tr> <tr> <td><input type="checkbox"/> Free Cyanide</td> <td><input type="checkbox"/> Etiological Agents</td> </tr> <tr> <td><input type="checkbox"/> Free Sulfide</td> <td><input type="checkbox"/> Pathogens</td> </tr> <tr> <td><input type="checkbox"/> Free Ammonia</td> <td><input type="checkbox"/> Biological Materials</td> </tr> <tr> <td><input type="checkbox"/> Dioxins</td> <td><input type="checkbox"/> Radioactive Materials</td> </tr> <tr> <td><input type="checkbox"/> Organic Solvents</td> <td><input type="checkbox"/> PCBs not regulated by TSCA 40 CFR 761</td> </tr> <tr> <td><input type="checkbox"/> Virgin Oils</td> <td><input checked="" type="checkbox"/> None of the Above</td> </tr> <tr> <td><input type="checkbox"/> Used Oils</td> <td></td> </tr> </table>	<input type="checkbox"/> Free Liquids	<input type="checkbox"/> OSHA Substances	<input type="checkbox"/> Free Cyanide	<input type="checkbox"/> Etiological Agents	<input type="checkbox"/> Free Sulfide	<input type="checkbox"/> Pathogens	<input type="checkbox"/> Free Ammonia	<input type="checkbox"/> Biological Materials	<input type="checkbox"/> Dioxins	<input type="checkbox"/> Radioactive Materials	<input type="checkbox"/> Organic Solvents	<input type="checkbox"/> PCBs not regulated by TSCA 40 CFR 761	<input type="checkbox"/> Virgin Oils	<input checked="" type="checkbox"/> None of the Above	<input type="checkbox"/> Used Oils		<p>Concentration ranges are suggested and units must be identified in percentages (%) and/or parts per million (ppm). Attach additional pages if necessary.</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Components</th> <th style="text-align: center;">Range Min. / Max.</th> </tr> </thead> <tbody> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">Soil</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black; text-align: center;">94.9%</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">Water</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black; text-align: center;">5.0%</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;">Chlordane</td> <td style="border-top: 1px solid black; border-bottom: 1px solid black; text-align: center;">0.1%</td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;"> </td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-top: 1px solid black; border-bottom: 1px solid black;"> </td> <td style="border-top: 1px solid black; border-bottom: 1px solid black;"> </td> </tr> </tbody> </table>	Components	Range Min. / Max.	Soil	94.9%	Water	5.0%	Chlordane	0.1%				
<input type="checkbox"/> Free Liquids	<input type="checkbox"/> OSHA Substances																													
<input type="checkbox"/> Free Cyanide	<input type="checkbox"/> Etiological Agents																													
<input type="checkbox"/> Free Sulfide	<input type="checkbox"/> Pathogens																													
<input type="checkbox"/> Free Ammonia	<input type="checkbox"/> Biological Materials																													
<input type="checkbox"/> Dioxins	<input type="checkbox"/> Radioactive Materials																													
<input type="checkbox"/> Organic Solvents	<input type="checkbox"/> PCBs not regulated by TSCA 40 CFR 761																													
<input type="checkbox"/> Virgin Oils	<input checked="" type="checkbox"/> None of the Above																													
<input type="checkbox"/> Used Oils																														
Components	Range Min. / Max.																													
Soil	94.9%																													
Water	5.0%																													
Chlordane	0.1%																													

7. TRANSPORTATION INFORMATION

If the waste is a DOT Hazardous Material, complete the following:

Proper USDOT Shipping Name: N/A
 USDOT Hazard Class: _____ UN or NA Number: _____ CERCLA Reportable Quantity: _____

8. SUPPLEMENTAL INFORMATION

None MSD Sheets Analytical Data Chain of Custody Memo/Letter Waste Composition
 Other - describe: _____ No. of Pages: _____

9. GENERATOR'S CERTIFICATION

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine, that no deliberate or willful omissions of composition or properties exist, that all known or suspected hazards have been disclosed, and that the waste is not a regulated hazardous waste by the USEPA, by an applicable State or Provincial authority, or by any applicable local authority, and does not contain PCBs regulated by TSCA (i.e., 40 CFR 761) or any Provincial authority.

GENERATOR'S AUTHORIZED SIGNATORY as identified in Section 1 (c):

3-1-94 JAMES GREACCA X James R Greacca Project Manager
 DATE PRINT NAME SIGNATURE TITLE

REPRESENTATIVE SAMPLE CERTIFICATION

This Section is to be completed by the person obtaining the sample of the above described waste.

I certify that the sample for which analytical data was provided on the waste described above is representative of that waste and was collected and preserved in a manner consistent with accepted technical standards.

Lab sample assigned to: NETL
 Collector's Name: Andy Gates
 Signature: [Signature]
 Company: RETEL
 Title: Project Engineer
 Telephone Number: (508) 371-1422
 Date Collected: 5-12-93

(peel off label)

Generator's Name: _____
 Waste Description: _____
 Date Collected: _____
 WCD No. AB 18339