December 19, 2000

ORIGINAL

SDMS DocID 2241154

Mr. Manny Miller
Environmental Chemist
Pennsylvania Department of Environmental Protection
Waste Management
400 Waterfront Drive
Pittsburgh, PA 15222-4745

RE: Module I/Form U Application
USEPA Region III – Electric Hose & Rubber Co.
12th Street, Wilmington, DE
Contaminated Soil (D008

MODULE NO. I REQUEST NO. MIL-1250
FORM U REQUEST NO.: MIL-1251
Customer Code No. 5322

Dear Mr. Miller:

Please find the attached Module I Form U application for a contaminated soil (D008) generated by the USEPA Region III during remediation of a former industrial site. The treated residue from this material is also proposed for use as cap support zone material in Impoundment No. 5. A Form U Application for placement of the treated residue in Impoundment No. 6 is also enclosed. If you have any questions, please contact me.

Sincerely,

Henry A. Springer, Jr., PE
Director of Compliance & Engineering

Enclosures

Cc w/enclosure
Department of Planning & Development – Westmoreland County
South Huntingdon Township Supervisors
David Leifeld
M. Towle

2510-PM-LRWM0014 Rev. 3/2000

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF LAND RECYCLING AND WASTE MANAGEMENT

Original

Coordination #

MODULE 1
REQUEST FOR APPROVAL TO TREAT, STORE, OR DISPOSE OF A HAZARDOUS WASTE STREAM

Before completing this form, read the step-by-step instructions provided with this form.

Application Fee	DEP USE ONLY
Check No. _____	Application or Facility ID# _____
Amount $ _____	Stamp Date Application Received

SECTION A. FACILITY AND GENERATOR INFORMATION (must be completed by TSD facility)

1. Treatment, Storage, or Disposal Site

a. Name of Facility MAX ENVIRONMENTAL TECHNOLOGIES, INC. / MILL SERVICE, INC.

Address R.D. #1, Box 1354 Cemetary Road, Yukon, PA 15698

Municipality South Huntingdon Township County Westmoreland

b. Identification number | P | A | D | 0 | 0 | 4 | 3 | 5 | 1 | 4 | 6 | | |

c. Hazardous waste permit number(s) for treatment, storage or disposal facility to be utilized

d. Facility contact person

Name Henry A. Springer, Jr., P.E. Title Director of Compliance & Engineering

Telephone Number (724) 722-1500

2. Generator of the Waste

a. Name of company U.S. Environmental Protection Agency

Mailing address 1650 Arch Street, Philadelphia, PA 19103-2020

Location of site if different from mailing address 12th Street Wilmington, DE. (Removal Action)

Municipality Wilmington County New Castle

b. If a subsidiary, name of parent co.

c. Identification number | D | E | P | 0 | 0 | 0 | 0 | 1 | 6 | 7 | 7 | | |

d. Company contact person

Name Mike Towle Title On-Scene

Telephone Number (215) 814-3272

range 5 to 9 (based on analyses or knowledge)

ORIGINAL

b. Physical state:

(1) ☐ liquid waste (EPA Method 9095)
(2) ☑ solid (EPA Method 9095)
(3) ☐ gas (ambient temperature and pressure)

c. Physical appearance:

Color Brown Odor NONE

Number of solid or liquid phases of separation ~~2~~ 1

Describe each phase of separation Solid

d. U.S. DOT proper shipping name UN/NA number and hazard class (if applicable):

Hazardous Waste Solid N.O.S. (Lead), 9, NA3077, PG III, ERG #171

e. Typical volume of waste to be shipped to treatment storage or disposal facility:

(1) Monthly 740 gallons tons pounds (circle one)
(2) Annually _____ gallons, tons, pounds (circle one)

f. Treatment or disposal frequency: _____ time per year; ☑ one time

g. Current volume to be shipped to treatment storage or disposal facility
740 gallons tons pounds (circle one)

h. Describe the hazardous waste according to its description and hazardous waste number in Chapter 261.

D008, Lead Waste and Soil

2. Chemical Analyses - *Please attach the following*

a. The results of the analysis of the waste as described in the instructions.

b. A description of the sampling method.

c. The substantiation for a confidentiality claim as described in the instructions, if portions of the information you have submitted are confidential.

3. Process Description and Schematic - *Please attach the following:*

a. The substantiation for a confidentiality claim as described in the instructions, if portions of the information you have submitted are confidential.

b. A detailed description of the manufacturing and/or pollution control processes producing the hazardous waste as specified in the instructions.

c. A schematic of the manufacturing and/or pollution control processes producing the hazardous waste as specified in the instructions.

SECTION D. PROPOSED TREATMENT, STORAGE, AND/OR DISPOSAL METHOD

(must be completed by TSD facility. Use additional sheets if necessary.)

1. Proposed Treatment Method

Waste will be treated using phosphate and lime ORIGINAL

2. Proposed Storage Method and Length of Storage

Upon receipt, the waste will be unloaded into a tank and treated. Following treatment, the waste will be stored for approximately 24 hours while the effectiveness of the treatment process is confirmed.

3. Proposed Disposal Method

Disposal as a residual waste in a permitted facility.

SECTION E. ALTERNATIVES TO PROPOSED TREATMENT AND/OR DISPOSAL METHOD

(must be completed by generator. Use additional sheets if necessary.)

1. What Other Treatment, Disposal, Recycle, Reuse, or Reclamation Method(s) Can be Used? Briefly describe viable alternatives to your proposal.

No other cost effective method available

2. Why was the Treatment and/or Disposal Method in Section D Chosen?

Best available technology

SECTION F. SOURCE REDUCTION STRATEGY

(Form 25 R must be completed by generator and attached to this application as specified in the instructions.)

SECTION G. CERTIFICATION OF GENERATOR

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name of Responsible Official: Mike Toule

Title: On-Scene Coordinator

Signature: [signature]

Date: 12-11-00

Taken, sworn, and subscribed before me, this 11 day of December A.D. 19 2000

Notary Seal

Marisa M. Barecht

Commission Expires 1-19-02

This is to certify that I have personally reviewed all engineering information contained in the accompanying modules, drawings, specifications, and other documents which are part of this application and that I have found it to be of good engineering quality, true, and correct, and is in conformance with the requirements of the Department of Environmental Resources, and it does not, to the best of my knowledge, withhold information that is pertinent to a determination of compliance with the requirements of the Department.

NOTICE: It is an offense under Pennsylvania Crimes Code to affirm a false statement in documents submitted to the Department.

Name Henry A. Springer, Jr.

Signature

Date 12/19/00

Address R.D. #1, Box 135A

Yukon, PA. 15698

Phone No. (724) 722-3500

SEAL OF REGISTERED PROFESSIONAL ENGINEER

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
HENRY A. SPRINGER, JR.
ENGINEER
036998R

UNTREATED WASTE CHARACTERISTICS

ANALYTICAL REPORT

K Chem Lab, Inc.
1333 Main Street • Latrobe, PA 15650
724-537-6621 • 724-537-3942 fax

MR HANK SPRINGER
MILL SERVICE, INC.
RD 1 BOX 135A
YUKON PA 15698

Date December 19, 2000 **Report #** 20806

Project Information

PO # / WO#

Sample ID	Date	Time	Sample Description	Result	Parameter	D.L.	Methodology	Date Analyzed
20806A	12/15/00		12 st str Landfill Lead Soil(cont)	<5 µg/L	1,2-Dichloroethane	5	SW-846 8260	
				<5 µg/L	1,1-Dichloroethylene	5	SW-846 8260	
				<5 µg/L	Methyl Ethyl Ketone	5	SW-846 8260	
				<5 µg/L	Tetrachloroethylene	5	SW-846 8260	
				<5 µg/L	Trichloroethylene	5	SW-846 8260	
				<10 µg/L	Vinyl Chloride	10	SW-846 8260	
				SEMI VOLATILE ORGANICS (TCLP)				
				0.01 mg/L	Cresol	0.01	SW-846 8270C	
				0.01 mg/L	1,4 Dichlorobenzene	0.01	SW-846 8270C	
				<0.01 mg/L	2,4-Dinitrotoluene	0.01	SW-846 8270C	
				<0.01 mg/L	Hexachlorobenzene	0.01	SW-846 8270C	
				<0.01 mg/L	Hexachloroethane	0.01	SW-846 8270C	
				<0.01 mg/L	Hexachlorobutadiene	0.01	SW-846 8270C	
				<0.01 mg/L	Nitrobenzene	0.01	SW-846 8270C	
				<0.05 mg/L	Pentachlorophenol	0.05	SW-846 8270C	
				<0.01 mg/L	Pyridine	0.01	SW-846 8270C	
				<0.01 mg/L	2,4,5-Trichlorophenol	0.01	SW-846 8270C	
				<0.01 mg/L	2,4,6-Trichlorophenol	0.01	SW-846 8270C	
				PESTICIDES/ HERBICIDES (TCLP)				
				<0.002 mg/L	Endrin	0.002	SW-846 8270C	
				<0.002 mg/L	Lindane	0.002	SW-846 8270C	
				<0.002 mg/L	Methoxychlor	0.002	SW-846 8270C	
				<0.08 mg/L	Toxaphene	0.08	SW-846 8270C	
				<0.002 mg/L	2,4-D	0.002	SW-846 8270C	
				<0.002 mg/L	2,4,5-TP (Silvex)	0.002	SW-846 8270C	
				<0.03 mg/L	Chlordane	0.03	SW-846 8270C	
				<0.002 mg/L	Heptachlor	0.002	SW-846 8270C	
				ASTM ANALYSIS				
				<0.01 mg/L	Hexavalent Chromium	0.01	ASTM D1687	
				268 mg/L	Total Solids	1.0	EPA 160.3	
				0.2 mg/L	Oil & Grease	0.1	EPA 413.2	
				<1.0 mg/L	Total Organic Carbon	1.0	EPA 415.1	
				<5.0 mg/L	COD	5.0	EPA 410.2	
				<0.50 mg/L	TOX	0.5	EPA 450.1	
				0.30 mg/L	Nitrogen Ammonia	0.10	EPA 350.2	

Work inspected by : Charles T. Ford
Charles T. Ford, Laboratory Manager

FROM : K CHEM LAB. INC. FAX NO. : 724 537 3942 Dec. 20 2000 09:39AM P3

ANALYTICAL REPORT

K Chem Lab, Inc.
1333 Main Street • Latrobe, PA 15650
724-537-6621 • 724-537-3942 fax

MR HANK SPRINGER
MILL SERVICE, INC.
RD 1 BOX 135A
YUKON PA 15698

Date December 19, 2000 Report # 20806

Project Information

PO # / WO#

Sample ID	Date	Time	Sample Description	Result	Parameter	D.L.	Methodology	Date Analyzed
20806A	12/15/00		12 st str Landfill Lead Soil					
				TOTAL ANALYSIS				
				83.7 %	Total Solids	0.1	EPA 160.3	
				5.3 %	Total Volatile Solids	0.1	EPA 160.4	
				<0.05 mg/kg	Total Cyanide	0.05	SW-846 9014	
				<5.0 mg/kg	Reactive Cyanide	5.0	SW-846 9014	
				10.0 mg/kg	Reactive Sulfide	10.0	SW-846 9034	
				153 mg/kg	Copper	1.0	SW-846 6010B	
				24.5 mg/kg	Nickel	1.0	SW-846 6010B	
				28.1 mg/kg	Molybdenum	1.0	SW-846 6010B	
				2220 mg/kg	Zinc	1.0	SW-846 6010B	
				0.79 mg/kg	Antimony	0.25	SW-846 7041	
				<0.25 mg/kg	Thallium	0.25	SW-846 7841	
				>150°F	Ignitability	70°F	SW-846 1010	
				TCLP ANALYSIS				
				6.95 s.u.	pH in Distilled Water	0.01	SW-846 1311	
				2.22 s.u.	pH in Hydrochloric Acid	0.01	SW-846 1311	
				# 1	Extraction Fluid	N/A	SW-846 1311	
				4.91 s.u.	Final Extraction pH	0.01	SW-846 1311	
				TCLP METALS				
				<0.005 mg/L	Arsenic	0.005	SW-846 7060A	
				0.93 mg/L	Barium	0.01	SW-846 6010B	
				0.04 mg/L	Cadmium	0.01	SW-846 6010B	
				0.04 mg/L	Chromium	0.02	SW-846 6010B	
				11.2 mg/L	Lead	0.05	SW-846 7420	
				<0.005 mg/L	Mercury	0.005	SW-846 7470A	
				0.009 mg/L	Selenium	0.005	SW-846 7740	
				<0.01 mg/L	Silver	0.01	SW-846 7760A	
				0.06 mg/L	Nickel	0.01	SW-846 6010B	
				0.32 mg/L	Copper	0.01	SW-846 6010B	
				9.01 mg/L	Zinc	0.01	SW-846 6010B	
				<0.005 mg/L	Antimony	0.25	SW-846 7041	
				<0.005 mg/L	Thallium	0.25	SW-846 7841	
				TCLP VOC'S				
				<5 µg/L	Benzene	5	SW-846 8260	
				<5 µg/L	Carbon Tetrachloride	5	SW-846 8260	
				<5 µg/L	Chlorobenzene	5	SW-846 8260	
				<5 µg/L	Chloroform	5	SW-846 8260	

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TA0-K0-P367-001 Page 1

0001
COMPOSITE #1

COC 002953
Date Sampled 11/09/00 10:50
Date Received 11/11/00 09:30

Type F Matrix SOIL
Sampled by CLIENT

% Solids 87

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	Rlimit	Units	S	Method	Date/Time/Anl	Dilf
Extractable Organic Halides (EOX)		ND	U	29	mg/kg	Y	SW9023	11/16/00 08:00 PAC	1.0
SILVER	7440-22-4	ND	U	0.86	mg/Kg	Y	6010B	11/28/00 15:12 CBS	1.0
ARSENIC	7440-38-2	30		0.86	mg/Kg	Y	6010B	11/28/00 15:12 CBS	1.0
BARIUM	7440-39-3	150		0.17	mg/Kg	Y	6010B	11/28/00 15:12 CBS	1.0
CADMIUM	7440-43-9	1.3		0.17	mg/Kg	Y	6010B	11/28/00 15:12 CBS	1.0
CHROMIUM	7440-47-3	61		0.86	mg/Kg	Y	6010B	11/28/00 15:12 CBS	1.0
SELENIUM	7782-49-2	1.6		0.86	mg/Kg	Y	6010B	11/28/00 15:12 CBS	1.0
LEAD	7439-92-1	1700		0.86	mg/Kg	Y	6010B	11/28/00 15:12 CBS	1.0
Moisture (Percent)		90		0.010	%		EPA160.3	11/17/00 12:00 MHS	1.0
TOTAL PETROLEUM HYDROCARBONS		470		40	mg/kg	Y	EPA418.1	11/27/00 14:00 HF	1.0
Low Temperature Ignition (TOC)		2.9		0.10	%		EPA-600/	11/20/00 12:00 MHS	1.0
Reactivity Characteristic (Cyanide)		ND	U	250	mg/kg		SW846-7	11/27/00 13:00 EH	1.0
Reactivity Characteristic (Sulfide)		ND	U	500	mg/kg		SW846-7	11/27/00 13:00 EH	1.0
pH		7.5			S.U.		SW9045	11/27/00 18:15 TL	1.0
MERCURY, TOTAL	7439-97-6	ND	U	0.11	mg/Kg	Y	7471	11/24/00 13:23 JC2	1.0
AROCLOR-1016	12674-11-2	ND	U	38	ug/Kg	Y	SW8082	11/21/00 13:51 kpp	1.0
AROCLOR-1221	11104-28-2	ND	U	38	ug/Kg	Y	SW8082	11/21/00 13:51 kpp	1.0
AROCLOR-1232	11141-16-5	ND	U	38	ug/Kg	Y	SW8082	11/21/00 13:51 kpp	1.0
AROCLOR-1242	53469-21-9	ND	U	38	ug/Kg	Y	SW8082	11/21/00 13:51 kpp	1.0
AROCLOR-1248	12672-29-6	ND	U	38	ug/Kg	Y	SW8082	11/21/00 13:51 kpp	1.0
AROCLOR-1254	11097-69-1	ND	U	38	ug/Kg	Y	SW8082	11/21/00 13:51 kpp	1.0
AROCLOR-1260	11096-82-5	57		38	ug/Kg	Y	SW8082	11/21/00 13:51 kpp	1.0
SURROGATE RESULTS									
TETRACHLORO-M-XYLENE	877-09-8	30		3.8	ug/Kg	Y	SW8082	11/21/00 13:51 kpp	1.0
TETRACHLORO-M-XYLENE	877-09-8	79			% REC	Y	SW8082	11/21/00 13:51 kpp	1.0
DECACHLOROBIPHENYL	2051-24-3	39		3.8	ug/Kg	Y	SW8082	11/21/00 13:51 kpp	1.0
DECACHLOROBIPHENYL	2051-24-3	103			% REC	Y	SW8082	11/21/00 13:51 kpp	1.0

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TAC-K0-P367-001 Page 2

SC07
COMPOSITE #1

COC 002953
Date Sampled 11/09/00 10:50
Date Received 11/11/00 09:30

Type F Matrix SOIL
Sampled by CLIENT

% Solids 87

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	RLimit	Units	S	Method	Date/Time/Ani	Dilf
CHLOROMETHANE	74-87-3	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
BROMOMETHANE	74-83-9	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
VINYL CHLORIDE	75-01-4	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
CHLOROETHANE	75-00-3	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
METHYLENE CHLORIDE	75-09-2	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
ACETONE	67-64-1	ND	U	1400	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
CARBON DISULFIDE	75-15-0	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
1,1-DICHLOROETHENE	75-35-4	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
1,1-DICHLOROETHANE	75-34-3	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
1,2-DICHLOROETHENE	540-59-0	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
CHLOROFORM	67-66-3	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
1,2-DICHLOROETHANE	107-06-2	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
2-BUTANONE	78-93-3	ND	U	720	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
1,1,1-TRICHLOROETHANE	71-55-6	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
CARBON TETRACHLORIDE	56-23-5	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
BROMODICHLOROMETHANE	75-27-4	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
1,2-DICHLOROPROPANE	78-87-5	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
CIS-1,3-DICHLOROPROPENE	10061-01-5	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
TRICHLOROETHENE	79-01-6	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
DIBROMOCHLOROMETHANE	124-48-1	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
1,1,2-TRICHLOROETHANE	79-00-5	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
BENZENE	71-43-2	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
TRANS-1,3-DICHLOROPROPENE	10061-02-6	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
BROMOFORM	75-25-2	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
4-METHYL-2-PENTANONE	108-10-1	ND	U	720	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
2-HEXANONE	591-78-6	ND	U	720	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
TETRACHLOROETHENE	127-18-4	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
1,1,2,2-TETRACHLOROETHANE	79-34-5	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
TOLUENE	108-88-3	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
CHLOROBENZENE	108-90-7	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
ETHYLBENZENE	100-41-4	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
STYRENE	100-42-5	ND	U	360	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
XYLENES (TOTAL)	1330-20-7	ND	U	720	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
SURROGATE RESULTS									
TOLUENE-D8	2037-26-5	3700		72	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0
TOLUENE-D8	2037-26-5	104			% REC	Y	SW8260B	11/13/00 17:39 pac	1.0
4-BROMOFLUOROBENZENE	460-00-4	3100		72	ug/Kg	Y	SW8260B	11/13/00 17:39 pac	1.0

ORIGINAL

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TA0-K0-9367-001 Page 3

SC01
COMPOSITE #1

COC 002953
Date Sampled 11/09/00 10:50
Date Received 11/11/00 09:30

Type F Matrix SOIL
Sampled by CLIENT

% Solids 87

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	RLimit	Units	S Method	Date/Time/Ana	DILF
4-BROMOFLUOROBENZENE	[illegible]	87			% REC	Y SW8260B	11/13/00 17:39 pac	1.0
1,2-DICHLOROETHANE-D4	[illegible]	3600		72	ug/Kg	Y SW8260B	11/13/00 17:39 pac	1.0
1,2-DICHLOROETHANE-D4	[illegible]	100			% REC	Y SW8260B	11/13/00 17:39 pac	1.0
PHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BIS(2-CHLOROETHYL)ETHER	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2-CHLOROPHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
1,3-DICHLOROBENZENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
1,4-DICHLOROBENZENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
1,2-DICHLOROBENZENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2-METHYLPHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
3- & 4-METHYLPHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
N-NITROSODI-N-PROPYLAMINE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
HEXACHLOROETHANE	[illegible]	ND	U	1800	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
NITROBENZENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
ISOPHORONE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2-NITROPHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2,4-DIMETHYLPHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BIS(2-CHLOROETHOXY) METHANE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2,4-DICHLOROPHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
1,2,4-TRICHLOROBENZENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
NAPHTHALENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
4-CHLOROANILINE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
HEXACHLOROBUTADIENE	[illegible]	ND	U	1800	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
4-CHLORO-3-METHYLPHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2-METHYLNAPHTHALENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
HEXACHLOROCYCLOPENTADIENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2,4,6-TRICHLOROPHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2,4,5-TRICHLOROPHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2-CHLORONAPHTHALENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2-NITROANILINE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
DIMETHYLPHTHALATE	[illegible]	ND	U	2100	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
ACENAPHTHYLENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2,6-DINITROTOLUENE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
3-NITROANILINE	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
ACENAPHTHENE	[illegible]	ND	U	2100	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2,4-DINITROPHENOL	[illegible]	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
	[illegible]	ND	U	2100	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0

Original

CTEL Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TAO-K0-P367-001 Page 4

5001
COMPOSITE #'

CCC 002953
Date Sampled 11/09/00 10:50
Date Received 11/11/00 09:30

Type F Matrix SOIL
Sampled by CLIENT

% Solids 57

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	RLimit	Units	S Method	Date/Time/Anl	DilF
4-NITROPHENOL	100-02-7	ND	U	21000	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
DIBENZOFURAN	132-64-9	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2,4-DINITROTOLUENE	121-14-2	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
DIETHYLPHTHALATE	84-66-2	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
4-CHLORODIPHENYLETHER	7005-72-3	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
FLUORENE	86-73-7	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
4-NITROANILINE	100-01-6	ND	U	2100	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
4,6-DINITRO-2-METHYLPHENOL	534-52-1	ND	U	2100	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
N-NITROSODIPHENYLAMINE	86-30-6	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
4-BROMOPHENYL PHENYL ETHER	101-55-3	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
HEXACHLOROBENZENE	118-74-1	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
PENTACHLOROPHENOL	87-86-5	ND	U	2100	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
PHENANTHRENE	85-01-8	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
ANTHRACENE	120-12-7	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
DI-N-BUTYLPHTHALATE	84-74-2	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
FLUORANTHENE	206-44-0	650		420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
PYRENE	129-00-0	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BUTYL BENZYL PHTHALATE	85-68-7	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
3,3-DICHLOROBENZIDINE	91-94-1	ND	U	830	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BENZO(A)ANTHRACENE	56-55-3	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
CHRYSENE	218-01-9	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	1300		420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
DI-N-OCTYLPHTHALATE	117-84-0	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BENZO(B)FLUORANTHENE	205-99-2	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BENZO(K)FLUORANTHENE	207-08-9	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BENZO(A)PYRENE	50-32-8	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
INDENO(1,2,3-CD)PYRENE	193-39-5	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
DIBENZO(A,H)ANTHRACENE	53-70-3	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BENZO(G,H,I)PERYLENE	191-24-2	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BENZYL ALCOHOL	100-51-6	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BENZOIC ACID	65-85-0	ND	U	1800	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
BIS(2-CHLOROISOPROPYL)ETHER	108-60-1	ND	U	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
SURROGATE RESULTS								
NITROBENZENE-D5	4165-60-0	1800		420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
NITROBENZENE-D5	4165-60-0	48			% REC	Y 8270	11/27/00 16:06 tjh	1.0
2-FLUOROBIPHENYL	321-60-8	1900		420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2-FLUOROBIPHENYL	321-60-8	51			% REC	Y 8270	11/27/00 16:06 tjh	1.0

ORIGINAL

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TA0-K0-P367-001 Page 3

SC01
COMPOSITE #1

COC 002953
Date Sampled 11/09/00 10:50
Date Received 11/11/00 09:30

Type F Matrix SOIL
Sampled by CLIENT

% Solids 87 120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg RLimit	Units	S Method	Date/Time/Ant	DilF
TERPHENYL-D14	1718-51-0	2900	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
TERPHENYL-D14	1718-51-0	78		% REC	Y 8270	11/27/00 16:06 tjh	1.0
PHENOL-D5	4165-62-2	2400	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
PHENOL-D5	4165-62-2	65		% REC	Y 8270	11/27/00 16:06 tjh	1.0
2-FLUOROPHENOL	367-12-4	2000	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2-FLUOROPHENOL	367-12-4	56		% REC	Y 8270	11/27/00 16:06 tjh	1.0
2,4,6-TRIBROMOPHENOL	118-79-6	3300	420	ug/Kg	Y 8270	11/27/00 16:06 tjh	1.0
2,4,6-TRIBROMOPHENOL	118-79-6	87		% REC	Y 8270	11/27/00 16:06 tjh	1.0

ORIGINAL

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TA0-K0-P367-002

Page 1

SC01
COMPOSITE #1 LEACHATE

COC 002953
Date Sampled 11/09/00 10:50
Date Received 11/11/00 09:30

Type L Matrix LEACHATE
Sampled by CLIENT

% Solids 87

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	RLimit	Units	S Method	Date/Time/Anl	Dilf
2,4-D, TCLP	94-75-7	ND	U	0.010	mg/L	SW8151	11/21/00 20:53 tep	10
2,4,5-TP (SILVEX), TCLP	93-72-1	ND	U	0.010	mg/L	SW8151	11/21/00 20:53 tep	10
SILVER, TCLP	7440-22-4	ND	U	0.020	mg/L	SW6010	11/23/00 02:12 CBS	1.0
ARSENIC, TCLP	7440-33-2	ND	U	0.10	mg/L	SW6010	11/23/00 02:12 CBS	1.0
BARIUM, TCLP	7440-39-3	0.92		0.010	mg/L	SW6010	11/23/00 02:12 CBS	1.0
CADMIUM, TCLP	7440-43-9	0.023		0.020	mg/L	SW6010	11/23/00 02:12 CBS	1.0
CHROMIUM, TCLP	7440-47-3	ND	U	0.050	mg/L	SW6010	11/23/00 02:12 CBS	1.0
SELENIUM, TCLP	7782-49-2	ND	U	0.20	mg/L	SW6010	11/23/00 02:12 CBS	1.0
LEAD, TCLP	7439-92-1	66		0.10	mg/L	SW6010	11/28/00 10:24 CBS	5.0
MERCURY, TCLP	7439-97-6	ND	U	0.0020	mg/L	SW7470	11/21/00 10:35 JC2	1.0
TECHNICAL CHLORDANE, TCLP	57-74-9	ND	U	0.030	mg/L	SW8081	11/22/00 19:15 tep	10
ENDRIN, TCLP	72-20-8	ND	U	0.0060	mg/L	SW8081	11/22/00 19:15 tep	10
HEPTACHLOR, TCLP	76-44-8	ND	U	0.0030	mg/L	SW8081	11/22/00 19:15 tep	10
HEPTACHLOR EPOXIDE, TCLP	1024-57-3	ND	U	0.0030	mg/L	SW8081	11/22/00 19:15 tep	10
GAMMA-BHC, TCLP	58-89-9	ND	U	0.0030	mg/L	SW8081	11/22/00 19:15 tep	10
METHOXYCHLOR, TCLP	72-43-5	ND	U	0.040	mg/L	SW8081	11/22/00 19:15 tep	10
TOXAPHENE, TCLP	8001-35-2	ND	U	0.050	mg/L	SW8081	11/22/00 19:15 tep	10
BENZENE, TCLP	71-43-2	ND	U	0.10	mg/L	SW8260	11/14/00 18:37 pac	20
CARBON TETRACHLORIDE, TCLP	56-23-5	ND	U	0.10	mg/L	SW8260	11/14/00 18:37 pac	20
CHLOROBENZENE, TCLP	108-90-7	ND	U	0.10	mg/L	SW8260	11/14/00 18:37 pac	20
CHLOROFORM, TCLP	67-66-3	ND	U	0.10	mg/L	SW8260	11/14/00 18:37 pac	20
1,2-DICHLOROETHANE, TCLP	107-06-2	ND	U	0.10	mg/L	SW8260	11/14/00 18:37 pac	20
1,1-DICHLOROETHENE, TCLP	78-93-3	ND	U	0.10	mg/L	SW8260	11/14/00 18:37 pac	20
2-BUTANONE, TCLP	127-18-4	ND	U	0.20	mg/L	SW8260	11/14/00 18:37 pac	20
TETRACHLOROETHENE, TCLP	79-01-6	ND	U	0.10	mg/L	SW8260	11/14/00 18:37 pac	20
TRICHLOROETHENE, TCLP	75-01-4	ND	U	0.10	mg/L	SW8260	11/14/00 18:37 pac	20
VINYL CHLORIDE, TCLP								
CRESOLS, TOTAL, TCLP		ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0
PENTACHLOROPHENOL, TCLP	87-86-5	ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0
2,4,5-TRICHLOROPHENOL, TCLP	95-95-4	ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0
2,4,6-TRICHLOROPHENOL, TCLP	88-06-2	ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0

ORIGINAL

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TAO-K0-9367-002

Page 2

SC01
COMPOSITE #1 LEACHATE

COC 002953
Date Sampled 11/09/00 10:50
Date Received 11/11/00 09:30

Type L Matrix LEACHATE
Sampled by CLIENT

% Solids 87

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	RLimit	Units	S Method	Date/Time/Anl	Dilf
1,4-DICHLOROBENZENE, TCLP	106-46-7	ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0
2,4-DINITROTOLUENE, TCLP	121-14-2	ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0
HEXACHLOROBENZENE, TCLP	118-74-1	ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0
HEXACHLOROBUTADIENE, TCLP	87-68-3	ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0
HEXACHLOROETHANE, TCLP	67-72-1	ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0
NITROBENZENE, TCLP	98-95-3	ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0
PYRIDINE, TCLP	110-86-1	ND	U	0.050	mg/L	SW8270	11/22/00 13:33 ra	1.0

ORIGINAL

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TAO-CO-P367-004

Page 1

SC02
COMPOSITE #2

COC 002953
Date Sampled 11/09/00 11:00
Date Received 11/11/00 09:30

Type F Matrix SOIL
Sampled by CLIENT

% Solids 89

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	RLimit	Units	S	Method	Date/Time/Ani	DilF
Extractable Organic Halides (EOX)		ND	U	28	mg/kg	Y	SW9023	11/16/00 08:00 PAC	1.0
SILVER	7440-22-4	ND	U	0.84	mg/Kg	Y	6010B	11/28/00 15:20 CBS	1.0
ARSENIC	7440-38-2	17		0.84	mg/Kg	Y	6010B	11/28/00 15:20 CBS	1.0
BARIUM	7440-39-3	120		0.17	mg/Kg	Y	6010B	11/28/00 15:20 CBS	1.0
CADMIUM	7440-43-9	1.1		0.17	mg/Kg	Y	6010B	11/28/00 15:20 CBS	1.0
CHROMIUM	7440-47-3	32		0.84	mg/Kg	Y	6010B	11/28/00 15:20 CBS	1.0
SELENIUM	7782-49-2	ND	U	0.84	mg/Kg	Y	6010B	11/28/00 15:20 CBS	1.0
LEAD	7439-92-1	56		5.6	mg/Kg	Y	6010B	11/29/00 04:31 JWJ	5.0
Moisture (Percent)		90		0.010	%		EPA160.3	11/17/00 12:00 MHS	1.0
TOTAL PETROLEUM HYDROCARBONS		600		45	mg/kg	Y	EPA418.1	11/27/00 14:00 MF	1.0
Low Temperature Ignition (TOC)		2.2		0.10	%		EPA-600/	11/20/00 12:00 MHS	1.0
Reactivity Characteristic (Cyanide)		ND	U	250	mg/kg		SW846-7	11/27/00 13:00 EH	1.0
Reactivity Characteristic (Sulfide)		ND	U	500	mg/kg		SW846-7	11/27/00 13:00 EH	1.0
pH		7.77			S.U.		SW9045	11/27/00 18:15 TL	1.0
MERCURY, TOTAL	7439-97-6	0.12		0.11	mg/Kg	Y	7471	11/24/00 13:25 JC2	1.0
AROCLOR-1016	12674-11-2	ND	U	38	ug/Kg	Y	SW8082	11/21/00 14:08 kpp	1.0
AROCLOR-1221	11104-28-2	ND	U	38	ug/Kg	Y	SW8082	11/21/00 14:08 kpp	1.0
AROCLOR-1232	11141-16-5	ND	U	38	ug/Kg	Y	SW8082	11/21/00 14:08 kpp	1.0
AROCLOR-1242	53469-21-9	ND	U	38	ug/Kg	Y	SW8082	11/21/00 14:08 kpp	1.0
AROCLOR-1248	12672-29-6	ND	U	38	ug/Kg	Y	SW8082	11/21/00 14:08 kpp	1.0
AROCLOR-1254	11097-69-1	ND	U	38	ug/Kg	Y	SW8082	11/21/00 14:08 kpp	1.0
AROCLOR-1260	11096-82-5	ND	U	38	ug/Kg	Y	SW8082	11/21/00 14:08 kpp	1.0
SURROGATE RESULTS									
TETRACHLORO-M-XYLENE	877-09-8	33		3.8	ug/Kg	Y	SW8082	11/21/00 14:08 kpp	1.0
TETRACHLORO-M-XYLENE	877-09-8	88			% REC	Y	SW8082	11/21/00 14:08 kpp	1.0
DECACHLOROBIPHENYL	2051-24-3	36		3.8	ug/Kg	Y	SW8082	11/21/00 14:08 kpp	1.0
DECACHLOROBIPHENYL	2051-24-3	95			% REC	Y	SW8082	11/21/00 14:08 kpp	1.0

ORIGINAL

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TAO-KO-P367-004

SC02
COMPOSITE #2

COC 002953
Date Sampled 11/09/00 11:00
Date Received 11/11/00 09:30

Type F Matrix SOIL
Sampled by CLIENT

% Solids 89

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	MLimit	Units	G	Method	Date/Time/Ant	DILF
CHLOROMETHANE	74-87-3	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
BROMOMETHANE	74-83-9	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
VINYL CHLORIDE	75-01-4	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
CHLOROETHANE	75-00-3	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
METHYLENE CHLORIDE	75-09-2	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
ACETONE	67-64-1	U		1600	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
CARBON DISULFIDE	75-15-0	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
1,1-DICHLOROETHENE	75-35-4	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
1,1-DICHLOROETHANE	75-34-3	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
1,2-DICHLOROETHENE	540-59-0	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
CHLOROFORM	67-66-3	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
1,2-DICHLOROETHANE	107-06-2	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
2-BUTANONE	78-93-3	U		700	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
1,1,1-TRICHLOROETHANE	71-55-6	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
CARBON TETRACHLORIDE	56-23-5	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
BROMODICHLOROMETHANE	75-27-4	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
1,2-DICHLOROPROPANE	78-87-5	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
CIS-1,3-DICHLOROPROPENE	10061-01-5	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
TRICHLOROETHENE	79-01-6	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
DIBROMOCHLOROMETHANE	124-48-1	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
1,1,2-TRICHLOROETHANE	79-00-5	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
BENZENE	71-43-2	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
TRANS-1,3-DICHLOROPROPENE	10061-02-6	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
BROMOFORM	75-25-2	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
4-METHYL-2-PENTANONE	108-10-1	U		700	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
2-HEXANONE	591-78-6	U		700	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
TETRACHLOROETHENE	127-18-4	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
1,1,2,2-TETRACHLOROETHANE	79-34-5	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
TOLUENE	108-88-3	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
CHLOROBENZENE	108-90-7	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
ETHYLBENZENE	100-41-4	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
STYRENE	100-42-5	U		350	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
XYLENES (TOTAL)	1330-20-7	U		700	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
SURROGATE RESULTS									
TOLUENE-D8	2037-26-5	5800		70	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0
TOLUENE-D8	2037-26-5	108			% REC	Y	SW8260B	11/13/00 18:20 pac	1.0
4-BROMOFLUOROBENZENE	460-00-4	2900		70	ug/Kg	Y	SW8260B	11/13/00 18:20 pac	1.0

ORIGINAL

CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TAC-CO-P367-004

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SC02
COMPOSITE #2

COC 002953
Date Sampled 11/09/00 11:00
Date Received 11/11/00 09:30

Type F Matrix SOIL
Sampled by CLIENT

% Solids 89

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	RLimit	Units	S	Method	Date/Time/Anl	Dilf
4-BROMOFLUOROBENZENE	460-00-4	83			% REC	Y	SW82608	11/13/00 18:20 pac	1.0
1,2-DICHLOROETHANE-D4	17060-07-0	3400		70	ug/Kg	Y	SW82608	11/13/00 18:20 pac	1.0
1,2-DICHLOROETHANE-D4	17060-07-0	98			% REC	Y	SW82608	11/13/00 18:20 pac	1.0
PHENOL	108-95-2	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
BIS(2-CHLOROETHYL)ETHER	111-44-4	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2-CHLOROPHENOL	95-57-8	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
1,3-DICHLOROBENZENE	541-73-1	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
1,4-DICHLOROBENZENE	106-46-7	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
1,2-DICHLOROBENZENE	95-50-1	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2-METHYLPHENOL	95-48-7	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
3- & 4-METHYLPHENOL		ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
N-NITROSODI-N-PROPYLAMINE	621-64-7	ND	U	1800	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
HEXACHLOROETHANE	67-72-1	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
NITROBENZENE	98-95-3	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
ISOPHORONE	78-59-1	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2-NITROPHENOL	88-75-5	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2,4-DIMETHYLPHENOL	105-67-9	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
BIS(2-CHLOROETHOXY) METHANE	111-91-1	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2,4-DICHLOROPHENOL	120-83-2	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
1,2,4-TRICHLOROBENZENE	120-82-1	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
NAPHTHALENE	91-20-3	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
4-CHLOROANILINE	106-47-8	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
HEXACHLOROBUTADIENE	87-68-3	ND	U	1800	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
4-CHLORO-3-METHYLPHENOL	59-50-7	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2-METHYLNAPHTHALENE	91-57-6	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
HEXACHLOROCYCLOPENTADIENE	77-47-4	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2,4,6-TRICHLOROPHENOL	88-06-2	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2,4,5-TRICHLOROPHENOL	95-95-4	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2-CHLORONAPHTHALENE	91-58-7	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2-NITROANILINE	88-74-4	ND	U	2100	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
DIMETHYLPHTHALATE	131-11-3	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
ACENAPHTHYLENE	208-96-8	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2,6-DINITROTOLUENE	606-20-2	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
3-NITROANILINE	99-09-2	ND	U	2100	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
ACENAPHTHENE	53-32-9	ND	U	410	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0
2,4-DINITROPHENOL	51-28-5	ND	U	2100	ug/Kg	Y	8270	11/27/00 17:01 tjh	1.0

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CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TAC-K0-P367-0CA

SC02
COMPOSITE #2

COC 302953
Date Sampled 11/09/00 11:00
Date Received 11/11/00 09:30

Type F Matrix SOIL
Sampled by CLIENT

% Solids 89

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Flg	RLimit	Units	S Method	Date/Time/Anl	DilF
4-NITROPHENOL	100-02-7	ND	U	21000	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
DIBENZOFURAN	132-64-9	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
2,4-DINITROTOLUENE	121-14-2	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
DIETHYLPHTHALATE	84-66-2	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
4-CHLOROPHENYLETHER	7005-72-3	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
FLUORENE	86-73-7	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
4-NITROANILINE	100-01-6	ND	U	2100	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
4,6-DINITRO-2-METHYLPHENOL	534-52-1	ND	U	2100	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
N-NITROSODIPHENYLAMINE	86-30-6	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
4-BROMOPHENYL PHENYL ETHER	101-55-3	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
HEXACHLOROBENZENE	118-74-1	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
PENTACHLOROPHENOL	87-86-5	ND	U	2100	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
PHENANTHRENE	85-01-8	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
ANTHRACENE	120-12-7	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
DI-N-BUTYLPHTHALATE	84-74-2	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
FLUORANTHENE	206-44-0	760		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
PYRENE	129-00-0	740		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
BUTYL BENZYL PHTHALATE	85-68-7	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
3,3-DICHLOROBENZIDINE	91-94-1	ND	U	820	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
BENZO(A)ANTHRACENE	56-55-3	520		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
CHRYSENE	218-01-9	640		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
BIS(2-ETHYLHEXYL) PHTHALATE	117-81-7	1700		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
DI-N-OCTYLPHTHALATE	117-84-0	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
BENZO(B)FLUORANTHENE	205-99-2	460		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
BENZO(K)FLUORANTHENE	207-08-9	540		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
BENZO(A)PYRENE	50-32-8	480		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
INDENO(1,2,3-CD)PYRENE	193-39-5	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
DIBENZO(A,H)ANTHRACENE	53-70-3	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
BENZO(G,H,I)PERYLENE	191-24-2	440		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
BENZYL ALCOHOL	100-51-6	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
BENZOIC ACID	65-85-0	ND	U	1800	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
BIS(2-CHLOROISOPROPYL)ETHER	108-60-1	ND	U	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
SURROGATE RESULTS								
NITROBENZENE-D5	4165-60-0	2200		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
NITROBENZENE-D5	4165-60-0	59			% REC	Y 8270	11/27/00 17:01 tjh	1.0
2-FLUOROBIPHENYL	321-60-8	2100		410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
2-FLUOROBIPHENYL	321-60-8	56			% REC	Y 8270	11/27/00 17:01 tjh	1.0

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CT&E Environmental Services Inc.
Laboratory Division: Charleston Laboratory

Mr. Robert Thom
GUARDIAN ENVIRONMENTAL SERVICES, INC.

Laboratory Number TAO-K0-P367-004

SC02
COMPOSITE #2

COC 002953
Date Sampled 11/09/00 11:00
Date Received 11/11/00 09:30

Type F Matrix SOIL
Sampled by CLIENT

% Solids 89

120100 1520

ANALYSIS FOR REQUESTED PARAMETERS

Analyzed Parameter	CAS No.	Result	Rlg Rlimit	Units	S Method	Date/Time/Anl	Dilf
TERPHENYL-D14	1718-51-0	3100	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
TERPHENYL-D14	1718-51-0	82		% REC	Y 8270	11/27/00 17:01 tjh	1.0
PHENOL-D5	4165-62-2	2900	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
PHENOL-D5	4165-62-2	78		% REC	Y 8270	11/27/00 17:01 tjh	1.0
2-FLUOROPHENOL	367-12-4	2500	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
2-FLUOROPHENOL	367-12-4	66		% REC	Y 8270	11/27/00 17:01 tjh	1.0
2,4,6-TRIBROMOPHENOL	118-79-6	3600	410	ug/Kg	Y 8270	11/27/00 17:01 tjh	1.0
2,4,6-TRIBROMOPHENOL	118-79-6	97		% REC	Y 8270	11/27/00 17:01 tjh	1.0

* IS-R Internal standard did not meet acceptance criteria due to matrix interference: demonstrated by reanalysis

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GENERATOR'S KNOWLEDGE CERTIFICATION

ORIGINAL

Mill Service, Inc.
1815 Washington Road
Pittsburgh, PA 15241-1498

This is to certify that based on "Generator's Knowledge" the waste described below does not exhibit the following hazardous waste characteristics per 40 CFR(261.20-261.24)

D012 thru D017
D018 thru D043

D001/Ignitability
D003/Reactivity

D009 Mercury

In addition, the waste does not contain more than 2 parts per million PCB's and is not a listed waste [(F, K, P or U per 40 CFR(261.31-261.33)]. The following parameters do not exist in waste unless checked below:

	Hazardous Constituents	CCVOC[1]
___	Acenaphthene	
___	Acetonitrile	X
___	Acrolein	X
___	Aldrin	
___	Anthracene	
___	beta-BHC	
___	Benz(a)anthracene	
___	Benzo(a)pyrene	
___	Benzo(g,h,i)perylene	
___	bis(2-Chloroisopropyl)ether	X
___	Bromomethane	X
___	Butyl benzyl phthalate	
___	Carbon tetrachloride	X
___	Chlorobenzilate	
___	Chloroethane	X
___	2-Chloroethyl vinyl ether	X
___	2-Chlorophenol	
___	Cyclohexanone	
___	o,p -DDE	
___	p,p DDT	
___	1,2-Dibromo-3-chloropropane	X
___	m-Dichlorobenzene	X
___	Dichlorodifluoromethane	X
___	1,1-Dichloroethylene	X
___	2,6-Dichlorophenol	
___	trans-1,3-Dichloropropylene	X
___	p-Dimethylaminoazobenzene	
___	Di-n-butyl phthalate	
___	2,4-Dinitrophenol	
___	Di-n-propylnitrosamine	
___	Diphenylnitrosamine	
___	Endosulfan I	
___	Endrin aldehyde	
___	Ethyl benzene	X
___	Ethylene oxide	X
___	Fluorene	
___	Hexachlorodibenzo-p-dioxins	
___	Indeno (1,2,3-c,d) pyrene	
___	Isodrin	
___	Methacrylonitrile	
___	3-Methylcholanthrene	

	Hazardous Constituents	CCVOC
___	Acenaphthylene	
___	Acetophenone	
___	Acrylonitrile	X
___	4-Aminobiphenyl	
___	Aramite	
___	delta-BHC	
___	Benzal chloride	
___	Benzo(b)Fluoranthene	
___	bis(2-Chloroethoxy)methane	
___	bis(2-Ethylhexyl)phthalate	
___	4-Bromophenyl phenyl ether	
___	2-sec-Butyl-4,6-dinitrophenol	
___	p-Chloroaniline	
___	2-Chloro-1,3-butadiene	X
___	Chloroform	X
___	Chloromethane	X
___	3-Chloropropylene	
___	o,p -DDD	
___	p,p -DDE	
___	Dibenz(a,h)anthracene	
___	1,2-Dibromoethane	X
___	o-Dichlorobenzene	X
___	1,1-Dichloroethane	X
___	trans-1,2-Dichloroethylene	X
___	1,2-Dichloropropane	X
___	Dieldrin	
___	2,4-Dimethyl phenol	
___	1,4-Dinitrobenzene	
___	2,6-Dinitrotoluene	
___	1,4-Dioxane	X
___	1,2-Diphenylhydrazine	
___	Endosulfan II	
___	2-Ethoxyethanol (F005)	
___	Ethyl ether	X
___	Famphur	
___	Hexachlorobutadiene	X
___	Hexachlorodibenzofurans	
___	Iodomethane	
___	Isosafrole	
___	Methanol	X
___	4,4-Methylene bis	

	Hazardous Constituents	CCVOC
___	Acetone	X
___	2-Acetylaminofluorene	
___	Acrylamide	
___	Aniline	
___	alpha-BHC	
___	gamma-BHC	
___	Benzene	X
___	Benzo(k)fluoranthene	
___	bis(2-Chloroethyl)ether	
___	Bromodichloromethane	X
___	n-Butyl alcohol	X
___	Carbon disulfide	
___	Chlorobenzene	X
___	Chlorodibromomethane	X
___	p-Chloro-m-cresol	
___	2-Chloronaphthalene	
___	Chrysene	
___	p,p -DDD	
___	o,p -DDT	
___	Dibenz(a,e)pyrene	
___	Dibromomethane	X
___	p-Dichlorobenzene	X
___	1,2-Dichloroethane	X
___	2,4-Dichlorophenol	
___	cis-1,3-Dichloropropylene	X
___	Diethyl phthalate	
___	Dimethyl phthalate	
___	4,6-Dinitro-o-cresol	
___	Di-n-octyl phthalate	
___	Diphenylamine	
___	Disulfoton	
___	Endosulfan sulfate	
___	Ethyl acetate	X
___	Ethyl methacrylate	
___	Fluoranthene	
___	Hexachlorocyclopentadiene	
___	Hexachloropropylene	
___	Isobutyl alcohol (Isobutanol)	X
___	Kepone	
___	Methapyrilene	
___	Methylene chloride	X

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Hazardous Constituents	CCVOC
Methyl ethyl ketone	X
Methyl methansulfonate	
2-Naphthylamine	
5-Nitro-o-toluidine	
2-Nitropropane(F005)	
N-Nitroso-dl-n-butylamine	
N-Nitrosopiperidine	
Pentachlorobenzene	
Pentachloroethane	
Phenanthrene	
Phthalic acid	
Propanenitrile (Ethyl cyanide)	X
Safrole	
Tetrachlorodibenzofurans	
Tetrachloroethylene	X
Tribromomethane (Bromoform)	X
1,1,2-Trichloroethane	X
2,4,5-Trichlorophenoxyacetic acid	
tris-(2,3-Dibromopropyl) phosphate	
A2213	
Bendiocarb	
Butylate	
Carbofuran	
m-Cumenyl methylcarbamate	
Dimetilan	
Formetanate hydrochloride	
Isolan	
Metolcarb	
Oxamyl	
Physostigmine	
Propham	
Thiodicarb	
Triallate	
Allyl alcohol	X
Bromochloromethane	X
sec-Butyl benzene	X
2-Chloroethanol	X
4-Chlorotoluene	X
1,3-Dichloropropane	X
1,1-Dichloropropene	X
Ethylene glycol	X
Isopropyl alcohol (2-propanol)	X
Paraldehyde	X
Propionitrile	X
Styrene	X
1,2,4-Trimethyl benzene	X

Hazardous Constituents	CCVOC
Methyl isobutyl ketone	X
Methyl parathion	
o-Nitroaniline	
o-Nitrophenol	
N-Nitrosodiethylamine	
N-Nitrosomethylethylamine	
N-Nitrosopyrrolidine	
Pentachlorodibenzo-p-dioxins	
Pentachloronitrobenzene	
Phenol	
Phthalic anhydride	
Pyrene	
1,2,4,5-Tetrachlorobenzene	
1,1,1,2-Tetrachloroethane	X
2,3,4,6-Tetrachlorophenol	
1,2,4-Trichlorobenzene	X
Trichloroethylene	X
1,2,3-Trichloropropane	X
Vinyl chloride	X
Aldicarb sulfone	
Bendiocarb phenol	
Carbaryl	
Carbofuran phenol	
Cycloate	
Dithiocarbamates (total)	
Formparanate	
Methiocarb	
Mexacarbate	
Pebulate	
Physostigmine salicylate	
Propoxur	
Thiophanate-methyl	
Trimethylamine	
Benzyl chloride	X
tert-Butyl alcohol	X
tert-Butyl benzene	X
Chloromethyl methyl ether	X
Crotonaldehyde	X
2,2-Dichloropropane	X
Epichlorhydrin	X
Hexafluoro-2-methyl-2-propanol	X
p-Isopropyl toluene	X
2-Pentanone	X
1-Propanol	X
o-Toluidine	X
1,3,5-Trimethyl benzene	X

Hazardous Constituents	CCVOC
Methyl methacrylate	
Naphthalene	X
p-Nitroaniline	
p-Nitrophenol	
N-Nitrosodimethylamine	
N-Nitrosomorpholine	
Parathion	
Pentachlorodibenzofurans	
Phenacetin	
Phorate	
Pronamide	
Pyridine	X
Tetachlorodibenzo-p-dioxins	
1,1,2,2-Tetrachloroethane	X
Toluene	X
1,1,1-Trichloroethane	X
Trichloromonofluoromethane	
1,1,2-Trichloro- 1,2,2-Trifluoroethane	
Xylenes	X
Barban	
Benomyl	
Carbenzadim	
Carbosulfan	
Diethylene glycol, dicarbamate	
EPTC	
3-Iodo-2-propynyl n-butylcarbamate	
Methomyl	
Molinate	
o-Phenylenediamine	
Promecarb	
Prosulfocarb	
Tirpate	
Bromobenzene	X
Bromoacetone	X
n-Butyl benzene	X
2-Chloroacrylonitrile	X
2-Chlorotoluene	X
cis-1,2-Dichloroethylene	X
1,3-Dichloro-2-propanol	X
Ethanol	X
Hexafluoro-2-propanol	X
Isopropylbenzene	X
2-Picoline	X
n-Propylbenzene	X
1,2,3-Trichlorobenzene	X

Note 1. Volatile organic compound (CCVOC) per 40 CFR 265 Subpart CC.

Company Name U.S. Environmental Protection Agency Waste Name Contaminated Soil

Signed [signature] Date 12-14-00

Printed Name Mike Towle Title On-Scene Coordinator

See [illegible]

ORIGINAL

WASTE GENERATION PROCESS

&

WASTE GENERATION SCHEMATIC

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SITE HISTORY & PROCESS DESCRIPTION

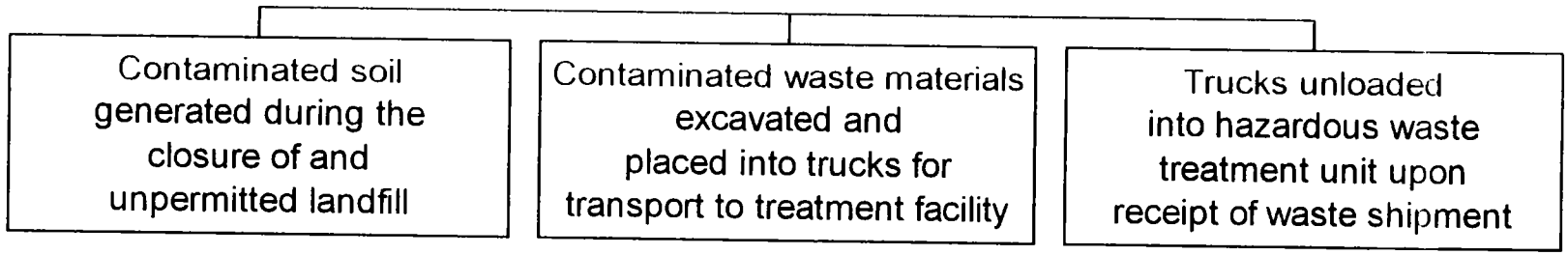
U.S. EPA – 12th St. – Wilmington, DE – Removal Action

The Site is located at the intersection of 12th Street and Route I-495 in Wilmington, DE. The site was operated by Electric Hose & Rubber Company for approximately forty years until the plant closed in the mid 1970's. The company manufactured industrial hoses, some examples are electric and braided hoses. Lead was used as an ingredient in the manufacturing process of some of the hoses. The company used a low lying area on site as a dump where process waste was discarded. This process waste and the surrounding soil is what will be treated and disposed of at a permitted facility. The site has been abandoned since the company closed in the mid 1970's. Ownership of the property had been turned over to the City Of Wilmington. The Site has now become a U.S. EPA remedial action site.

WASTE GENERATION PROCESS

Waste material was generated from manufacture of industrial hoses. The waste was placed in an on-site landfill. The contaminated material and affected soils will be excavated and loaded onto trucks for transport to the treatment facility.

Waste Generation Schematic



ORIGINAL

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MILL SERVICE, INC. - LAB REPORT

ORIGINAL

LABORATORY SERVICES REPORT

Sample Identification: USEPA Region III – Electric Hose & Rubber Co.
12th Street, Wilmington, DE
Contaminated Soil (D008)
Module No.: MIL-0250
Form U No.: MIL-0251
GIS No. 5322

Report Issued: December 19, 2000

Analytical Results

-- Analysis of Untreated Waste[1] --

Cadmium (Cd)	<0.05 mg/l	Method 7130; SW-846
Chromium (Cr)	<0.05 mg/l	Method 7190; SW-846
Lead (Pb)	27.3 mg/l	Method 7420; SW-846
Nickel (Ni)	0.10 mg/l	Method 7520; SW-846
Antimony (Sb)	<0.10 mg/l	Method 7040; SW-846

-- Analysis of Treated Waste[2] --

Cadmium (Cd)	<0.05 mg/l	Method 7130; SW-846
Chromium (Cr)	<0.05 mg/l	Method 7190; SW-846
Lead (Pb)	0.30 mg/l	Method 7420; SW-846
Nickel (Ni)	0.20 mg/l	Method 7520; SW-846
Antimony (Sb)	<0.10 mg/l	Method 7040; SW-846

[1] The initial pH was 8.74.
[2] Waste was treated with phosphate and lime; pH of treated waste was 12.15.

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SAMPLING AND TESTING PLAN

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SAMPLING AND TESTING PLAN

Pre-Treatment Testing

Pretreatment Testing which conforms to Table 12 of the WACP for the appropriate phase specific to this waste will be conducted on a grab sample collected from every truckload of hazardous material received.

Post-Treatment Testing

Every batch of treated material shall be composite sampled and tested for pH, and TCLP metals (Cd, Cr, and Pb).

Routine Testing

For every 1,000 tons of material received, a composite sample of treated material shall be collected and analyzed for the RCRA eight TCLP metals plus Nickel and Antimony

For every 1,000 tons of material received a grab sample of untreated material shall be collected and analyzed for PCBs.

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FORM 25R

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FORM 25R

SECTION A. APPLICANT IDENTIFIER

Applicant Name: U.S. Environmental Protection Agency R... III

SECTION B. GENERAL INFORMATION

This section must be completed.

Generator: U.S. Environmental Protection Agency
Contact Person: Mike Towle (3AS31)
Phone Number: 215 814 3272
Mailing Address: 1650 Arch Street
Philadelphia, PA 19103-2020

Facility Address: 12th Street
(If different from mailing address) Wilmington, DE
Facility SIC Code(s): N/A

The information contained in this form is true and correct to the best of my knowledge and belief.

Mike Towle
Name of Responsible Official

Signature of Responsible Official

12-14-00
Date

1. Waste stream name and description: ☐ Residual waste ☒ Hazardous waste

Metals Contaminated Soil
See attached Analytical data

2. Describe source reduction actions taken during the past five years. You should quantify any reduction in the weight or toxicity of waste and maintain records to document this reduction. This question is intended to give recognition for past source reduction achievements.

N/A - One time clean-up

3. State whether you have established a source reduction program. You may include a statement of top management's support or corporate source reduction goals.

N/A - One time clean-up

ORIGINAL

FORM 25R

Coordination #

SECTION C.

Complete this section if you have established a source reduction program and are proposing to take action to reduce the quantity or toxicity of this waste.

1. Describe the methods and procedures that you will use to achieve source reduction for this waste.

N/A - One time clean-up

2. Quantify the projected reduction by weight or toxicity for each technique described in #1. You may use the method of measurement most appropriate for the waste and the generating process. Discussion of several measurement options is contained in the "Source Reduction Strategy Manual."

N/A - one time clean-up

3. Specify when each method or procedure described in #1 will be implemented.

N/A - One time clean-up

Summary of Section C

method or procedure	expected reduction	implementation date

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FORM 25R

SECTION D.

Coordination #

Complete this section only if you have not established a source reduction program for this waste stream, that is, if you are not proposing to take any action to reduce the quantity or toxicity of the waste.

1. Characterize the wast stream, including source, hazards, properties, generation rate, and current management techniques and costs. Attach chemical analyses or other documentation as needed to fully describe the identify and source of waste.

Contaminated Soil from abandoned hand Fill site. EPA is mitigating the potential environmental/human health threat with a one time removal operation. See Attached analytical data of removed soil.

2. Describe all the potential source reduction options that you considered.

N/A - one time clean-up

3. Describe in detail how each option was evaluated. Include the specific technical, economic, or other criteria that were used.

N/A - one time clean-up

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FORM 25R

Coordination #

SECTION D. (continued)

4. Explain why each option was not selected.

N/A - one time clean-up

Summary of Section D

method or procedure	why not selected

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FORM U

ORIGINAL

[illegible] NWM0395 [illegible]

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF LAND RECLAMATION AND WASTE MANAGEMENT

Coordination #

FORM U

REQUEST TO PROCESS OR DISPOSE OF RESIDUAL WASTE

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided herein.

DEP USE ONLY

Stamp Date Application Received

SECTION A. APPLICANT IDENTIFIER

A. Processing or Disposal Facility

1. Name of facility: MILL SERVICE, INC.

Address: R.D. #1, Box 135A, Yukon, PA Zip: 15698

Municipality: South Huntingdon Township County: Westmoreland

2. Solid waste permit number(s) for processing or disposal facilities to be utilized: PAD004835146

3. Facility contact person

Name: Henry A. Springer, Jr., P.E. Title: Director of Operations

Telephone Number: (724) 722-3500

B. Generator of the Waste

1. Name of company: MILL SERVICE, INC.

Mailing address: R.D. #1, Box 135A, Yukon, PA Zip: 15698

Location of site if different from mailing address: Same

Municipality: South Huntingdon Township County: Westmoreland

2. If subsidiary, name of parent co.:

3. Identification number: P A D 0 0 4 8 3 5 1 4 6

Company contact person

Name: Henry A. Springer, Jr., P.E. Title: Director of Operations

Telephone Number: 724-722-3500

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SECTION B. WASTE DESCRIPTION (Must be completed by generator)

Residual Waste Code 902

Description of Waste:

Soil

A. General Properties

1. pH range 8 to ≤ 12.5 (based on analysis or knowledge)

2. Physical state:

a. ☐ liquid waste (EPA Method 9095)
b. ☒ solid (EPA Method 9095)
c. ☐ gas (ambient temperature and pressure)

3. Physical appearance:

Color Brown

Number of solid or liquid phases of separation 1

Describe each phase of separation. Solid

4. Maximum volume of waste to be shipped to processing or disposal facility on a monthly basis:

1,000 (cubic yards, gallons, pounds, or tons) (circle one)

5. Processing or disposal frequency: _____ times per year ☒ one time

6. Current volume of waste to be shipped to processing or disposal facility:

750 (cubic yards, gallons, pounds, or tons) (circle one)

7. Is the waste a hazardous waste as defined in 25 Pa. Code 261 and 40 CFR 261?
☐ Yes ☒ No

8. If yes, is the hazardous waste generated by a conditionally exempt small quantity generator as defined in 40 CFR 261.5?
☐ Yes ☐ No

9. If yes, list the appropriate hazardous waste number(s):

10. If yes, describe the hazardous waste.

B. 1. Has the waste been identified as a hazardous waste by DER? ☐ Yes ☐ No ☒ N/A

2. Has the waste been located for disposal/processing at another Permit-by-Rule (solid waste) facility? ☐ Yes ☒ No

a. If yes, list the facility ID number(s).

C. 1. Has an application for a disposal/processing permit been filed for another Permit-by-Rule facility? ☐ Yes ☒ No

a. If yes, list the facility ID number(s).

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SECTION B. WASTE DESCRIPTION (Must be completed by generator) (Continued)

5. Chemical Analysis - Please attach the following: See Addendum

1. The results of a detailed physical and chemical characterization of the waste and its leachate, as described in the instructions.

2. A description of the waste sampling method, in accordance with the waste sampling plan as required in §271.511(a)(3) or §287.102(a)(2).

3. Provide a detailed explanation supporting use of generator knowledge in lieu of actual chemical analysis, if applicable.

6. Process Description and Schematic - Please attach the following: See Addendum

1. A detailed description of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions.

2. A schematic of the manufacturing and/or pollution control processes producing the waste, as specified in the instructions.

3. The substantiation for a confidentiality claim, as described in the instructions, if portions of the information you have submitted are confidential.

SECTION C. EVALUATION WITH WASTE ANALYSIS AND CLASSIFICATION PLAN (must be completed by facility operator)

SECTION D. PROPOSED PROCESSING, STORAGE, AND/OR DISPOSAL METHOD (must be completed by facility operator. Use additional sheets if necessary. Check box marked "N/A" if not applicable)

A. Proposed Processing Method - ☐ N/A

No Processing of this waste is proposed.

B. Proposed Storage Method and Length of Storage - ☐ N/A

The waste will be stored in tanks pending verification that the applicable disposal limitations have been achieved.

C. Proposed Disposal Method - ☐ N/A

Surface Impoundment No. 5.

SECTION E. SOURCE REDUCTION STRATEGY (Form 2[illegible] must be completed by generator and attached to this application unless waived in the instructions to that form. [illegible] Attachment

ORIGINAL

2540-PM-LRW0395 3/95, continued

SECTION F. ALTERNATIVE TO PROPOSED PROCESSING AND OR DISPOSAL METHODS (must be provided by generator. Use additional sheets, if necessary.) See Addendum

A. What other processing, di[illegible] [illegible] briefly describe alternatives to your proposal.

B. Why was the processing and/or disposal method selected [illegible]

SECTION G. CERTIFICATION OF DOCUMENTS BY GENERATOR

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name of Responsible Official: Henry A. Springer, Jr., P.E.

Title: Director of Compliance and Engineering

Signature: [illegible]

Date: 12/19/00

Taken, sworn, and subscribed before me, in [illegible]

19th day of December A.D. 2000

Notary Seal

[illegible] Bridges

Notarial Seal
Kathleen Bridges, Notary Public
South Huntingdon Twp., Westmoreland County
My Commission Expires April 9, 2001
Member, Pennsylvania Association of Notaries

ORIGINAL

2540-PM-CRW0395 3.95, continued

SECTION H. CERTIFICATION OF PROCESSING OR DISPOSAL FACILITY

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Name of Responsible Official: Henry A. Springer, Jr., P.E.

Title: Director of Compliance and Engineering

Signature: [signature]

Date: 12/19/00

Taken, sworn, and subscribed before me, this 19th day of December A.D. 2000

Notary Seal

[signature]

Notarial Seal
Kathleen Bridges, Notary Public
South Huntingdon Twp., Westmoreland County
My Commission Expires April 9, 2001
Member, Pennsylvania Association of Notaries

SECTION I. CERTIFICATION OF REGISTERED PROFESSIONAL ENGINEER FOR THE PROCESSING AND/OR DISPOSAL FACILITY

This is to certify that I have personally reviewed the engineering information contained in the accompanying forms, drawings, specifications, and other documents which are part of this application and that I have found it to be of good engineering quality, true, and correct, and in conformance with the requirements of the Department of Environmental Protection, and it does not, to the best of my knowledge, withhold information that is pertinent to a determination of compliance with the requirements of the Department.

NOTICE: It is an offense under Pennsylvania Crimes Code to affirm a false statement in documents submitted to the Department.

Name: Henry A. Springer, Jr., P.E.

Signature: [signature]

Date: 12/19/00

Address: R.D. # 1, Box 135A
Yukon, PA 15698

Phone No. (724) 722-3500

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL ENGINEER
HENRY A. SPRINGER, JR.
ENGINEER
036998R

ORIGINAL

MILL SERVICE, INC.
YUKON, PENNSYLVANIA

FORM U ADDENDUM

RESIDUE GENERATED FROM THE TREATMENT OF D008 SOIL GENERATED BY USEPA REGION III DURING REMEDIATION AT THE FORMER ELECTRIC HOSE & RUBBER COMPANY SITE IN WILMINGTON, DELAWARE.

Section B. The residual waste proposed for disposal in this application is generated from the treatment of a Soil (D008) generated by USEPA Region III (USEPA), during remediation at the former Electric Hose & Rubber Company Site in Wilmington, Delaware. Detailed information on the generated is provided in Item I.B of Module 1 application filed with the Department on December 19, 2000 for the USEPA waste as generated.

Section B.A. The general properties presented are for the wastes at the time of disposal, after treatment at the Yukon Plant, with the exception of the volume. The volume presented is that anticipated for shipment to the facility by USEPA plus the addition of treatment chemicals at the facility. Detailed information of the properties of the USEPA waste is provided in this Form U application.

Section B.B. The method to be used to treat the USEPA waste is described in Item IV of the Module 1 application referenced above. The treated waste will be similar in form to the waste as received. Information on the chemical characteristics of the USEPA waste is proved in Item II.B of the Module 1 application. A copy of the data is included in this Form U application. Little change in chemical characteristics is anticipated as a result of the treatment of the waste with the exception of reduced metals solubilities and pH. The results of the treatability study are provided in the Module 1 application and attached to this Form U.

Section B.C. Detailed information on the process which generated this USEPA waste is provided in Item II.C of the Module 1 application. Following the acceptance of shipments of this waste at the Yukon Facility, the waste will be unloaded into the reaction vessel. The waste will be treated with phosphate and lime. Following treatment, the waste will be sampled (as described in the approved WACP) and transferred to a storage tank or container pending the results of analyses to confirm the success of the treatment process.

Schematics of the treatment process are attached.

ORIGINAL

Section C. The residues generated from the treatment of the USEPA waste will conform to the existing limitations for the disposal of waste into Impoundment No. 6. Such residues are currently authorized for disposal under Solid Waste Permit No. 301071.

Section D. The treated residue of the hazardous material received is non-hazardous and meets the requirements of 40CFR §268, Land Disposal Restrictions.

Section F The Yukon Facility is a commercial waste treatment and disposal facility. As such, all wastes received at the facility, as well as the residues generated from the treatment of those wastes, are destined for disposal. Information pertaining to the alternatives considered by Mill Service for the waste proposed for disposal at Impoundment No. 6 is included in the Form 25R as part of this application.