15 November 2006

ROUTING AND TRANSMITTAL SLIP

TO: *(Name, office symbol, room number, building, Agency/Post)*	Initials	Date
Pietro Mannino, Remediation Project Manger, USEPA Region II		
Mannino.Pietro@epamail.epa.gov		

	Action	X	File		Note and Return
X	Approval		For Clearance		Per Conversation
X	As Requested		For Correction		Prepare Reply
	Circulate		For Your Information		See Me
	Comment		Investigate		Signature
	Coordination		Justify		

REMARKS

Pete,

Please find attached a copy of Waste Profile Package prepared by CAPE Environmental Management Inc for disposal of Non-Hazardous Non-Regulated Impacted Soil at Allied Waste Company facility at Ottawa County Landfill in the State of Ohio from the Cornell Dubilier Electronics Operable Unit One Superfund Site. Based on my review, the package appears to be complete. CAPE Environmental Management Inc. has indicated that they need a third party signature authorization form filled by USEPA. My only question with regard to this form is the box that indicates authorization to sign manifests to initiate shipment to disposal facilities. Based on my experience on previous projects, USEPA or USACE authorized personnel on behalf of USEPA signs hazardous waste manifests. The contractor authorized personnel with appropriate training is allowed to sign non-hazardous waste manifests/bill of lading. As long as the authorization is for signing for non hazardous waste manifests, I recommend signing the third party signature authorization form. The other boxes checked on the form appear to be acceptable. If you have questions, please contact me at either at 732-846-5830 or on my cell phone at 732-501-2729. Thank You.

Patrick

FROM: *(Name, org. Symbol, Agency/Post)*
Patrick Nejand
Environmental Residency
US Army Corps of Engineers, NY District, Constr. Div.
214 State Highway 18
East Brunswick, NJ 08816

Room No. - Bldg.
@ Resident Office

Phone No.
(732) 846-5830
Fax No.
(732) 846-5837

OPTIONAL FORM 41 (Rev. 7-76)
Prescribed by GSA
FPMR (41CFR) 101-11.206

SDMS Document
123082

THIRD PARTY SIGNATURE AUTHORIZATION
for Solid Waste Disposal

Date: November 3, 2006

To Whom It May Concern:

Please be advised that the following company/individual has been appointed to work as our agent for purposes of managing waste materials that we may generate.

Name of Authorized Agent Christelle Newsome Nicole Sherman	Title Corporate Chemistry Program Manager Project Engineer
Name of Company CAPE	Telephone Number 610-594-8606

The above broker/individual is authorized to act as our authorized agent for the following purposes:

- [x] Complete and sign Generator Waste Profile Sheets.
- [ ] Complete and sign Generator Waste Profile Sheet-Recertifications.
- [x] Authorize amendments to Generator Waste Profile Sheets.
- [x] Sign contracts to dispose and/or transport material.
- [x] Sign certifications necessary to comply with landfill requirements.
- [x] Sign manifests to initiate shipment to disposal facilities.

Our authorized broker/agent will notify us prior to any action stated above, and will provide us with copies of any documents bearing our name.

Name of Generator (printed) Pete Mannino	Title Remedial Project Manager
Name of Company US Environmental Protection Agency	Mailing Address 290 Broadway Avenue New York, NY 10007
Signature	Telephone Number 212-637-4395

From: Nicole Sherman [mailto:nsherman@cape-inc.com]
Sent: Tuesday, November 07, 2006 3:56 PM
To: Nejand, Patrick C NAN02
Cc: 'Michael Lamon'
Subject: Concrete Results

Patrick,
Attached is a PDF of the concrete results as you requested. The results range from ND to 0.0576 mg/kg.

If you need anything else, please let me know.

Thanks,
Nicole

Nicole Loos Sherman
Project Engineer
180 Gordon Drive, Suite 102
Exton, PA 19341
Phone:610-594-8606
Mobile:610-506-1492
nsherman@cape-inc.com

TRANSMITTAL LETTER
Chemistry Services

TO: Mike Lamon
mlamon@cape-inc.com

FROM: Denise McGuire
dmcguire@cape-inc.com

CC: Christelle Newsome
cnewsome@cape-inc.com

Will Torres
wtorres@cape-inc.com

Date: November 3, 2006

Project/Task Cornell PCB Core Sampling

We are transmitting herewith the following:

- [ ] Original Analytical Data (hardcopy/CD)
- [ ] Quality Assurance Report (QAR)
- X Laboratory reports – Annotated Form 1s only
- [ ] SAP/QAPP
- [ ] EDDs
- [ ] Cost Summary

- [ ] For your use
- [ ] Revise and resubmit
- [ ] No exception taken
- [ ] Make corrections needed

# COPIES	DESCRIPTION
1	Preliminary results for the core samples collected 10/24/06.

Comments

Please see the attached data for your preliminary data use and review. Note, the data has not undergone the full CAPE comprehensive data quality assessment and is subject to change as a result of laboratory quality control exceptions applied during the validation process.

Enclosed Results are Approved for Quality Assurance Release by: Denise McGuire 11/3/06

Project Cornell

Number #: 50001.001.001.008

2302 Parklake Drive
Atlanta, GA 30345-2907

LABORATORY REPORT

L0610683

11/03/06 12:55

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373-4071

For

Account Name: Cape Environmental
2302 Parklake Drive
Suite 200
Atlanta, GA 30345
Attention: Christelle Newsome

Account Number: 2828
Work ID: CORNELL

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
CONC-1	L0610683-01	24-OCT-06	25-OCT-06
CONC-2	L0610683-02	24-OCT-06	25-OCT-06
CONC-3	L0610683-03	24-OCT-06	25-OCT-06
CONC-4	L0610683-04	24-OCT-06	25-OCT-06
CONC-5	L0610683-05	24-OCT-06	25-OCT-06
CONC-6	L0610683-06	24-OCT-06	25-OCT-06
CONC-7	L0610683-07	24-OCT-06	25-OCT-06

CAPE℠

CHAIN-OF-CUSTODY RECORD

3302 Parklake Drive, Suite 200, Atlanta, GA 30345-2907
Tel No: (770) 908-7200 Fax No: (770) 908-7219

[1] COC NUMBER: 4002

[2] PROJECT NAME	[3] PROJECT NUMBER	[8] LAB NAME AND CONTACT	[11] FAX AND MAIL REPORTS/EDD TO RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel. No., and Fax No.)
CORNELL	50001.001	KEMRON	DENISE MCGUIRE	180 GORDON DR. SUITE 102 EXTON, PA 19341 610-[redacted] 594-8[illegible]
[5] PROJECT PHASE/SITE/TASK	[6] CTO OR TO NUMBER	[9] LAB PO NUMBER	[12] FAX AND MAIL REPORTS/EDD TO RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel. No., and Fax No.)
[4] PROJECT CONTACT	[7] PROJECT TEL NO AND FAX NO	[10] LAB TEL NO AND FAX NO	[13] FAX AND MAIL REPORTS/EDD TO RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel. No., and Fax No.)
DENISE MCGUIRE				

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE IDESCRIPTION/LOCATION	[20] MATRIX (See codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	PCBs									[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for Lab's use)
1	CONC-1		CONC	10/24/06	1500			X									GRAB		
2	CONC-2		↓	↓	1515			X									↓		
3	CONC-3		↓	↓	1520			X									↓		
4	CONC-4		↓	↓	1525			X									↓		
5	CONC-5		↓	↓	1530			X									↓		
6	CONC-6		↓	↓	1535			X									↓		
7	CONC-7		↓	↓	1540			X									↓		
8																			
9																			
10																			

c/c sealed
Sp intact
Cooler Temp 1
B4

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for Lab's use)
SCOTT S./NICOLE S./JON A.	fedex # 7928 7143 7584	

[32] RELINQUISHED BY Printed Name and Signature	DATE	TIME	[33] RELINQUISHED BY Printed Name and Signature	DATE	TIME
NICOLE SHERMAN	10/24/06	1700	Kemn Gregory / Kevin Gregory	10/25/06	0907
Printed Name and Signature			Printed Name and Signature		
Printed Name and Signature			Printed Name and Signature		

Distribution: ☐ Original - Laboratory (To be returned with Analytical Report); ☐ Copy 1 - Project File; ☐ Copy 2 - CPC

Form CS003, Rev 010 05

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610683
Report Date : November 3, 2006

Sample Number: L0610683-01
Client ID: CONC-1
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 19:54
File ID: 4GR26300

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.3	8.14
Aroclor-1221	11104-28-2		U	16.3	8.14
Aroclor-1232	11141-16-5		U	16.3	8.14
Aroclor-1242	53469-21-9		U	16.3	8.14
Aroclor-1248	12672-29-6		U	16.3	8.14
Aroclor-1254	11097-69-1	15.1	J	16.3	8.14
Aroclor-1260	11096-82-5		U	16.3	8.14

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	73.5	29	133	
Decachlorobiphenyl	103	30	173	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: L0610683-02
Client ID: CONC-2
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 20:12
File ID: 4GR26301

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.8	8.42
Aroclor-1221	11104-28-2		U	16.8	8.42
Aroclor-1232	11141-16-5		U	16.8	8.42
Aroclor-1242	53469-21-9		U	16.8	8.42
Aroclor-1248	12672-29-6		U	16.8	8.42
Aroclor-1254	11097-69-1	57.6		16.8	8.42
Aroclor-1260	11096-82-5		U	16.8	8.42

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	76.8	29	133	
Decachlorobiphenyl	106	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0610683-03
Client ID: CONC-3
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 20:30
File ID: 4GR26302

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.9	8.43
Aroclor-1221	11104-28-2		U	16.9	8.43
Aroclor-1232	11141-16-5		U	16.9	8.43
Aroclor-1242	53469-21-9		U	16.9	8.43
Aroclor-1248	12672-29-6		U	16.9	8.43
Aroclor-1254	11097-69-1		U	16.9	8.43
Aroclor-1260	11096-82-5		U	16.9	8.43

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610683
Report Date : November 3, 2006

Sample Number: L0610683-03
Client ID: CONC-3
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 20:30
File ID: 4GR26302

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	74.1	29	133	
Decachlorobiphenyl	96.5	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0610683-04
Client ID: CONC-4
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 20:48
File ID: 4GR26303

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.5	8.23
Aroclor-1221	11104-28-2		U	16.5	8.23
Aroclor-1232	11141-16-5		U	16.5	8.23
Aroclor-1242	53469-21-9		U	16.5	8.23
Aroclor-1248	12672-29-6		U	16.5	8.23
Aroclor-1254	11097-69-1		U	16.5	8.23
Aroclor-1260	11096-82-5		U	16.5	8.23

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	61.1	29	133	
Decachlorobiphenyl	93.9	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0610683-05
Client ID: CONC-5
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 21:06
File ID: 4GR26304

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.4	8.19
Aroclor-1221	11104-28-2		U	16.4	8.19
Aroclor-1232	11141-16-5		U	16.4	8.19
Aroclor-1242	53469-21-9		U	16.4	8.19
Aroclor-1248	12672-29-6		U	16.4	8.19
Aroclor-1254	11097-69-1		U	16.4	8.19
Aroclor-1260	11096-82-5		U	16.4	8.19

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	75.0	29	133	
Decachlorobiphenyl	102	30	173	

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610683
Report Date : November 3, 2006

Sample Number: L0610683-06
Client ID: CONC-6
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 21:24
File ID: 4GR26305

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.4	8.20
Aroclor-1221	11104-28-2		U	16.4	8.20
Aroclor-1232	11141-16-5		U	16.4	8.20
Aroclor-1242	53469-21-9		U	16.4	8.20
Aroclor-1248	12672-29-6		U	16.4	8.20
Aroclor-1254	11097-69-1		U	16.4	8.20
Aroclor-1260	11096-82-5		U	16.4	8.20

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	90.7	29	133	
Decachlorobiphenyl	112	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0610683-07
Client ID: CONC-7
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 21:42
File ID: 4GR26306

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.4	8.20
Aroclor-1221	11104-28-2		U	16.4	8.20
Aroclor-1232	11141-16-5		U	16.4	8.20
Aroclor-1242	53469-21-9		U	16.4	8.20
Aroclor-1248	12672-29-6		U	16.4	8.20
Aroclor-1254	11097-69-1		U	16.4	8.20
Aroclor-1260	11096-82-5		U	16.4	8.20

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	89.9	29	133	
Decachlorobiphenyl	110	30	173	

U Not detected at or above adjusted sample detection limit

CAPE℠

MEMO

DATE: **November 8, 2006**

TO: Patrick Nejand

FROM: **Will Torres** WT

RE: **Waste Profile Package**

The attached Waste Profile Package constitutes a comprehensive data package for the disposal of the waste material that will be generated during the remedial activities of the OU1 residential properties. Included in this package are the following:

- Allied Waste Generator Waste Profile Sheet and associated data;
- Results from the October 24, 2006 concrete sampling;
- Previously approved G.R.O.W.S Waste Profile (November 2005)

180 Gordon Drive, Suite 102 ▲ Exton, Pennsylvania 19341
(610) 594-8606 ▲ Fax (610) 594-8609

CAPE℠

October 30, 2006

Ms. Rosana Marchese
Allied Waste Ottawa County Landfill
530 North Camp Road
Port Clinton, OH 43452

Re: Waste Characterization Determination
Cornell-Dubilier Electronics Superfund Project
South Plainfield, NJ

Dear Ms. Marchese:

Pursuant to the authority delegated by the U.S. Environmental Protection Agency for determination of the non-hazardous waste profile pertaining to soil removal during the upcoming Remedial Action (RA) at the Cornell-Dubilier Electronics (CDE) Superfund Site, South Plainfield, New Jersey, in accordance with the Record of Decision (ROD) for the site, please find the attached waste determination, waste profile, and supporting documentation.

Cape Environmental collected pre-excavation waste characterization samples at the above mentioned site on October 12, 2006. Cape has performed a review of the analytical results of the soils that will be excavated and has compared them with the waste acceptance criteria listed in 40 CFR 261.20-24. The analyses were performed by Kemron Environmental Services (Kemron) of Marietta, Ohio. Results are included with the disposal package of which this letter is included. Kemron possesses a NELAC accreditation (E8755) and a New Jersey laboratory number of OH004.

Cape Environmental has verified through review of the data package that the sample analyses were accurate, complete, and considered representative for comparison to the 40 CFR 261.20-24 levels. Based on this comparison, Cape Environmental offers the following:

"I, the undersigned, being duly authorized by my company certify that the waste stream(s) we are disposing at the Allied Waste Ottawa County Landfill is/are not a characteristic hazardous waste as defined in 40 CFR, Sections 261.20 to 261.24 and/or is not a listed hazardous waste as defined in 40 CFR, Sections 261.30 to 261.34. Furthermore, based on generator's knowledge of the company's process, TCLP and Total Characteristics not tested for are known not to be present in the concentrations equal to or greater than the value specified in the TC Rule 40 CFR Part 261.24."

If you have any questions regarding this letter or the information referenced herein, please feel free to contact myself at (770) 908-7200 or Mike Lamon at (865) 934-1331.

Best regards,

Christelle Newsome

Christelle Newsome
Corporate Chemistry Program Manager
CAPE Environmental Management Inc.

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET

Waste Profile #

Requested Disposal Facility: Ottowa
an Allied Waste Company

I. Generator Information

Date: October 26, 2006

Generator Name: US Environmental Protection Agency			
Generator Site Address: 333 Hamilton Blvd.			
City: South Plainfield	County: Middlesex	State: NJ	Zip: 07080
Generator State ID Number: NJR000024026		SIC Code Number: N/A	
Generator Mailing Address (if different): 290 Broadway Ave.			
City: New York	County:	State: NY	Zip: 10007
Generator Contact Name: Pete Mannino			
Phone Number: 212-637-4395		Fax Number: 212-637-4429	

II. Transporter Information

Transporter Name: Norfolk Southern Railroad			
Transporter Address: 110 Franklin Street			
City: Roanoke	County:	State: Virginia	Zip: 24042
Transporter Contact Name: Fran Hennesseay			
Phone Number: 215-591-3653		Fax Number: 215-591-3641	
State Transportation Number: N/A			

III. Waste Stream Information

Name of Waste: Non-Hazardous Non-Regulated Impacted Soil
Process Generating Waste: Superfund Clean-up
Type of Waste: ☐ INDUSTRIAL PROCESS WASTE or ☒ POLLUTION CONTROL WASTE
Physical State: ☒ SOLID ☐ SEMI-SOLID ☐ POWDER ☐ LIQUID ☐ OTHER: ____
Method of Shipment: ☒ BULK ☐ DRUM ☐ BAGGED ☐ OTHER: ____
Estimated Annual Volume: ☐ CUBIC YARDS: ____ ☒ TONS: 5000 ☐ OTHER: ____
Frequency: ☒ ONE TIME ☐ DAILY ☐ WEEKLY ☐ MONTHLY ☐ OTHER: ____
Special Handling Instructions: None

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☒ YES or ☐ NO
Sample Date: Oct. 12, 2006	Type of Sample: ☒ COMPOSITE SAMPLE ☐ GRAB SAMPLE
Sampler's Employer: CAPE Environmental	
Sampler's Name (printed): Nicole Sherman	Signature: Nicole Sherman

© Allied Waste Industries, August 2000

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET (continued)

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. Soil	90-99
2. Debris	0-10
3. Concrete	0-10

Color:	Odor (describe):	Free Liquids:	% Solids:	pH:	Flash Point:	Phenol
Brown	None	☐ YES or ☒ NO Content ____%	>50%	5.0-9.0	>149 °F	o ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet)
Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ YES or ☒ NO
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	☐ YES or ☒ NO
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ YES or ☒ NO
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ YES or ☒ NO
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ YES or ☒ NO
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	☐ YES or ☒ NO
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ YES or ☒ NO
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ YES or ☒ NO
Is this waste generated at a Federal Superfund Clean Up Site?	☒ YES or ☐ NO

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and accurate description of the waste material being offered for disposal. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste Industries, Inc.

Christelle Newsome
AUTHORIZED REPRESENTATIVE NAME AND TITLE (Printed)

CAPE
COMPANY NAME

Christelle Newsome
AUTHORIZED REPRESENTATIVE SIGNATURE

10-30-06
DATE

VII. Allied Waste Decision

☐ Approved ☐ Rejected Expiration: _____

Conditions:

Name, Title Signature Date

© Allied Waste Industries, August 2000

CORNELL-DUBILIER ELECTRONICS
SUPERFUND SITE
DESCRIPTION OF PROCESS GENERATING WASTE

Site Location

The Cornell-Dubilier Electronics (CDE) site consists of approximately 27 acres located at 333 Hamilton Boulevard in South Plainfield, Middlesex County, New Jersey. The site is bordered on the northeast by the Bound Brook and the former Lehigh Valley Railroad, Perth Amboy Branch (presently Conrail); to the southeast by the South Plainfield Department of Public Works property, which includes an unnamed tributary to Bound Brook; to the southwest, across Spicer Avenue, by single-family residential properties; and to the northwest, across Hamilton Boulevard, by mixed residential and commercial properties.

Background

CDE manufactured electronics components at the site from 1936 through 1962. Polychlorinated biphenyls (PCBs) and chlorinated organic degreasing solvents were used in the manufacturing process. PCBs are a group of chemical compounds consisting of mixtures of numerous chlorinated biphenyl molecules. The compounds differ both in the number and/or position of chlorine atoms attached to the biphenyl rings and in the degree of chlorination for a total of 209 possible individual compounds (i.e., congeners). For commercial purposes, common mixtures of PCBs were given names/identification numbers indicating the degree of chlorination, type of formulation, or other properties. For example, one series of mixtures was named "Aroclor," and the specific mixture was then further distinguished by the percentage of chlorine (e.g., Aroclor-1248 contained 48 percent chlorine).

A Remedial Investigation conducted by the USEPA indicated that some of the properties in the vicinity of the CDE site were contaminated with PCBs and required remediation.

Waste Generation Description

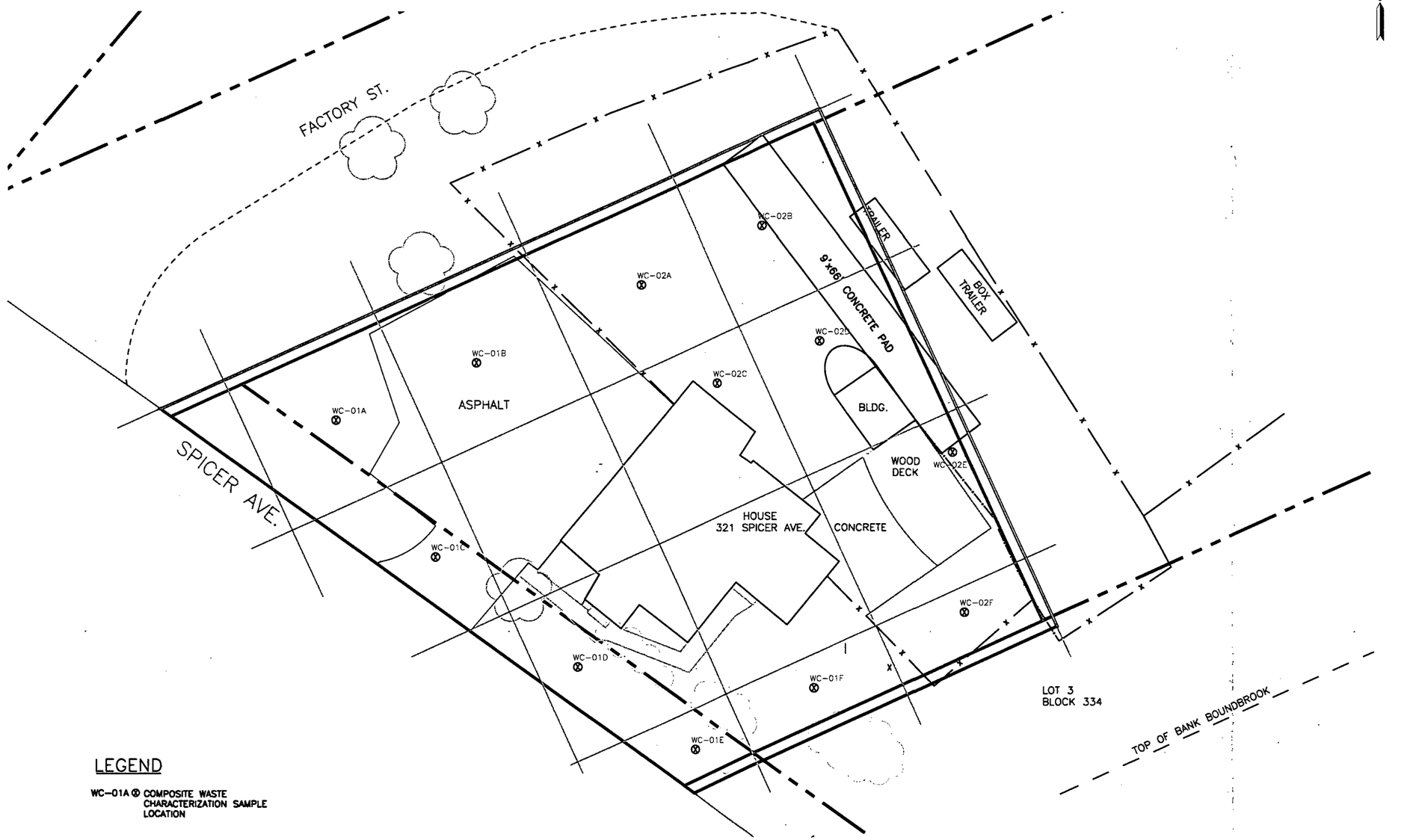
The waste being generated for disposal consists of the soils and debris excavated during the remedial actions taken on the individual properties. Debris will consist of concrete, stone, miscellaneous trash, and tree stumps. All debris will be properly sized so no pieces are larger than 2 feet by 2 feet. Total amount of debris is estimated to be less than 10% of the total waste stream.

CORNELL-DUBILIER ELECTRONICS
SUPERFUND SITE
SAMPLING DESCRIPTION

Sampling Conducted at 321 Spicer Avenue:

As part of the investigation sampling effort, 2 representative composite waste characterization samples were collected from the 321 Spicer Avenue property, as indicated in CAPE's Work Plan and Sampling and Analysis Plan (CAPE, 2005). Samples were collected from the locations indicated on the attached figure using a Geoprobe drill rig. Each waste characterization sample (WC-1 and WC-2) was composited from 6 separate locations at the 0-1 ft depth interval. Once the sample was collected from the location, the contents were emptied into a decontaminated stainless steel bowl, homogenized, and placed into laboratory-provided containers. The samples were then labeled, placed in a chilled cooler, and shipped, via overnight courier, to Kemron for analysis.

The sampling equipment was decontaminated initially and between sampling locations using a non-phosphate industrial cleaner, Liquinox®, and distilled water.



LEGEND

WC-01A ⊗ COMPOSITE WASTE CHARACTERIZATION SAMPLE LOCATION

GRAPHIC SCALE

20' 10 0 10' 20'

SCALE: 1"= 20'-0"

CAPE
180 Gordon Drive
Suite 102
Exton, PA 19341
(610) 594 - 8606

REVISIONS:

No.	Date	Remarks
A	10/9/06	ISSUED FOR APPROVAL

US ARMY
CORPS OF ENGINEERS
NEW YORK DISTRICT

PROJECT NAME
CORNELL-DUBILIER ELECTRONICS
SUPERFUND SITE
SOUTH PLAINFIELD
NEW JERSEY

SHEET TITLE
WASTE CHARACTERIZATION
SAMPLING LOCATIONS
321 SPICER AVENUE

CONTRACT NO: DACW41-01-D-0028
JOB NO: 50001.001
CHECKED BY: W. TORRES
DRAWN BY: N. SHERMAN
DATE: 10/09/06
FILE NAME: WC FIELD SAMP MAP
SHEET NUMBER: FIGURE 1

KEMRON
ENVIRONMENTAL SERVICES

156 Starlite Drive, Marietta, OH 45750 • TEL 740-373-4071 • FAX 740-373-4835 • http://www.kemron.com

Laboratory Report Number: L0610438

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box bleow at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

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This report was reviewed on October 24, 2006.

Stephanie Mossburg

STEPHANIE MOSSBURG - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on October 24, 2006.

David E. Vandenberg

David Vandenberg - Vice President

FL DOH NELAP ID: E8755
This report contains a total of 135 pages.

Protecting Our Environmental Future

B974-01

CAPE℠

CHAIN-OF-CUSTODY RECORD

2302 Parklake Drive, Suite 200, Atlanta, GA 30345-2907
Tel No: (770) 908-7200 Fax No: (770) 908-7219

[1] COC NUMBER: 3916

[2] PROJECT NAME	[3] PROJECT NUMBER	[4] LAB NAME AND CONTACT	[11] FAX AND MAIL REPORTS/EDD TO RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel. No., and Fax No.)
CORNELL	50001.001	Kemron	Denise McGuire	180 Gordon Dr. Suite 102 Exton, PA 19341 610-594-8606
[5] PROJECT PHASE/SITE/TASK	[6] CTO OR TO NUMBER	[9] LAB PO NUMBER	[12] FAX AND MAIL REPORTS/EDD TO RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel. No., and Fax No.)
[1] PROJECT CONTACT	[7] PROJECT TEL NO AND FAX NO	[10] LAB TEL NO AND FAX NO	[13] FAX AND MAIL REPORTS/EDD TO RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel. No., and Fax No.)
Denise McGuire	610-594-8606			

[25] ANALYSES REQUIRED (Include Method Numbers)

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (See codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	TCLP metals	TCLP VOC	TCLP SVOC	TCLP Pesticides	TCLP PCB	Corr.	Paint Filter	Reactivity	Ignit.	PCBs	[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for Lab's use)
1	WC-02		S	10/12/06	1150		3	X	X	X	X	X	X	X	X	X	X	Comp.		
2	WC-01		S	10/12/06	1200		3	X	X	X	X	X	X	X	X	X	X	Comp.		
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

[29] SAMPLER(S) AND COMPANY: (please print): NS/JA/SS

[30] COURIER AND SHIPPING NUMBER: Fedex # 7915 6600 3695

[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for Lab's use): CK sealed Sub intact Stored in locked cooler over weekend

[32] RELINQUISHED BY	DATE	TIME	[33] RELINQUISHED BY	DATE	TIME
Printed Name and Signature: Nicole Sherman	10/12/06	1330	Printed Name and Signature: Jack Thomas	10-14-06	0846
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Distribution: ☐Original - Laboratory (To be returned with Analytical Report); ☐Copy 1 - Project File; ☐Copy 2 - CPC

Form CS003, Rev 010 05

USEPA Contract Laboratory Program
Generic Chain of Custody

Reference Case
Client No:
SDG No:
L

Date Shipped:	10/12/2006
Carrier Name:	FedEx
Airbill:	
Shipped to:	KEMRON 156 STARLITE DRIVE MARIETTA OH 45750 (740) 373-4071

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
[signature]	10/12/06 1330	[signature]	10-14-06 0846
2			
3			
4			

Sampler Signature: [signature]

For Lab Use Only
Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
WC-01	Soil/Sediment	/C	CORR_Ph (21), IGNIT (21), PCB (21), PFT (21), R_CN (21), R_S- (21), T_HERB (21), T_MET (21), T_PEST (21), T_SEMI (21), T_VOAS (21)	1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131 (11)	WC-01	S: 10/12/2006	12:00	
WC-02	Soil/Sediment	/C	CORR_Ph (21), IGNIT (21), PCB (21), PFT (21), R_CN (21), R_S- (21), T_HERB (21), T_MET (21), T_PEST (21), T_SEMI (21), T_VOAS (21)	1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142 (11)	WC-02	S: 10/12/2006	11:50	

Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ___	Shipment Iced? ___

CORR_Ph = Corrosivity (pH), IGNIT = Ignitability, PCB = PCBs (AROCLORS), PFT = Paint Filter Test, R_CN = Reactive Cyanide, R_S- = Reactive Sulfide, T_HERB = TCLP Herbicides, T_MET = TCLP Metals, T_PEST = TCLP Pesticide/PCBs, T_SEMI = TCLP Semivolatiles, T_VOAS = TCLP Volatiles

TR Number: 2-043013577-101206-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Leachate
Workgroup Number: WG225271
Collect Date: 10/12/2006 12:00
Sample Tag: DL01

PrePrep Method: 1311
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 10
Units: ug/L

Instrument: HPMS10
Prep Date: 10/17/2006 16:59
Cal Date: 09/25/2006 17:01
Run Date: 10/17/2006 16:59
File ID: 10M50008

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Benzene	71-43-2		U	50	1.25	D018	500
Carbon tetrachloride	56-23-5		U	50	2.5	D019	500
Chlorobenzene	108-90-7		U	50	1.25	D021	100000
Chloroform	67-66-3		U	50	1.25	D022	6000
1,2-Dichloroethane	107-06-2		U	50	2.5	D028	500
1,1-Dichloroethene	75-35-4		U	50	5	D029	700
Methyl Ethyl Ketone	78-93-3		U	100	25	D035	200000
Tetrachloroethene	127-18-4		U	50	2.5	D039	700
Trichloroethene	79-01-6		U	50	2.5	D040	500
Vinyl chloride	75-01-4		U	100	2.5	D043	200

Surrogate	% Recovery	Lower	Upper
Dibromofluoromethane	113	86	118
1,2-Dichloroethane-d4	136	80	120
Toluene-d8	101	88	110
4-Bromofluorobenzene	113	86	115

* Surrogate or spike compound out of range
U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Leachate
Workgroup Number: WG225271
Collect Date: 10/12/2006 11:50
Sample Tag: DL01

PrePrep Method: 1311
Prep Method: 5030B
Analytical Method: 8260B
Analyst: CMS
Dilution: 10
Units: ug/L

Instrument: HPMS10
Prep Date: 10/17/2006 16:27
Cal Date: 09/26/2006 17:01
Run Date: 10/17/2006 16:27
File ID: 10M50007

Analyte	CAS Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Benzene	71-43-2		U	50	1.25	D018	500
Carbon tetrachloride	56-23-5		U	50	2.5	D019	500
Chlorobenzene	108-90-7		U	50	1.25	D021	100000
Chloroform	67-66-3		U	50	1.25	D022	6000
1,2-Dichloroethane	107-06-2		U	50	2.5	D028	500
1,1-Dichloroethene	75-35-4		U	50	5	D029	700
Methyl Ethyl Ketone	78-93-3		U	100	25	D035	200000
Tetrachloroethene	127-18-4		U	50	2.5	D039	700
Trichloroethene	79-01-6		U	50	2.5	D040	500
Vinyl chloride	75-01-4		U	100	2.5	D043	200

Surrogate	% Recovery	Lower	Upper
Dibromofluoromethane	113	86	118
1,2-Dichloroethane-d4	132	80	120
Toluene-d8	100	88	110
4-Bromofluorobenzene	113	86	115

* Surrogate or spike compound out of range
U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Leachate
Workgroup Number: WG225707
Collect Date: 10/12/2006 12:00
Sample Tag: 01

PrePrep Method: 1311
Prep Method: 3510C
Analytical Method: 8270C
Analyst: ALT/DPJ
Dilution: 1
Units: ug/L

Instrument: HPMS5
Prep Date: 10/17/2006 13:00
Cal Date: 10/19/2006 12:34
Run Date: 10/19/2006 22:32
File ID: 5M43032

Analyte	CAS Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
o-Cresol	95-48-7		U	50	25	D023	200000
m-,p-Cresol	106-44-5		U	50	25	D025	200000
1,4-Dichlorobenzene	106-46-7		U	50	25	D027	7500
2,4-Dinitrotoluene	121-14-2		U	50	25	D030	130
Hexachlorobenzene	118-74-1		U	50	25	D032	130
Hexachlorobutadiene	87-68-3		U	50	25	D033	500
Hexachloroethane	67-72-1		U	50	25	D034	3000
Nitrobenzene	98-95-3		U	50	25	D036	2000
Pentachlorophenol	87-86-5		U	250	25	D037	100000
Pyridine	110-86-1		U	500	250	D038	5000
2,4,5-Trichlorophenol	95-95-4		U	250	25	D041	400000
2,4,6-Trichlorophenol	88-06-2		U	50	25	D042	2000

Surrogate	% Recovery	Lower	Upper
2-Fluorophenol	28.9	21	100
Phenol-d5	20.9	10	94
Nitrobenzene-d5	59.8	35	114
2-Fluorobiphenyl	62.8	43	116
2,4,6-Tribromophenol	66.7	10	123
p-Terphenyl-d14	74.8	33	141

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Leachate
Workgroup Number: WG225707
Collect Date: 10/12/2006 11:50
Sample Tag: 01

PrePrep Method: 1311
Prep Method: 3510C
Analytical Method: 8270C
Analyst: ALT/DPJ
Dilution: 1
Units: ug/L

Instrument: HPMS5
Prep Date: 10/17/2006 13:00
Cal Date: 10/19/2006 12:34
Run Date: 10/19/2006 22:01
File ID: 5M43031

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
o-Cresol	95-48-7		U	50	25	D023	200000
m-,p-Cresol	106-44-5		U	50	25	D025	200000
1,4-Dichlorobenzene	106-46-7		U	50	25	D027	7500
2,4-Dinitrotoluene	121-14-2		U	50	25	D030	130
Hexachlorobenzene	118-74-1		U	50	25	D032	130
Hexachlorobutadiene	87-68-3		U	50	25	D033	500
Hexachloroethane	67-72-1		U	50	25	D034	3000
Nitrobenzene	98-95-3		U	50	25	D036	2000
Pentachlorophenol	87-86-5		U	250	25	D037	100000
Pyridine	110-86-1		U	500	250	D038	5000
2,4,5-Trichlorophenol	95-95-4		U	250	25	D041	400000
2,4,6-Trichlorophenol	88-06-2		U	50	25	D042	2000

Surrogate	% Recovery	Lower	Upper
2-Fluorophenol	22.3	21	100
Phenol-d5	16.1	10	94
Nitrobenzene-d5	45.5	35	114
2-Fluorobiphenyl	48.1	43	116
2,4,6-Tribromophenol	47.8	10	123
p-Terphenyl-d14	88.5	33	141

U Not detected at or above adjusted sample detection limit

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Leachate
Workgroup Number: WG225431
Collect Date: 10/12/2006 12:00
Sample Tag: 01

PrePrep Method: 1311
Prep Method: 3510C
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/L

Instrument: HP15
Prep Date: 10/17/2006 10:45
Cal Date: 10/18/2006 22:02
Run Date: 10/19/2006 00:24
File ID: 15G7437.F

Analyte	CAS Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Endrin	72-20-8		U	.5	.1	D012	20
Lindane	58-89-9		U	.5	.1	D013	400
Methoxychlor	72-43-5		U	.5	.1	D014	10000
Toxaphene	8001-35-2		U	10	3	D015	500
Chlordane	57-74-9		U	10	3	D020	30
Heptachlor	76-44-8		U	.5	.1	D031	8
Heptachlor Epoxide	1024-57-3		U	.5	.1	D031	8

Surrogate	% Recovery	Lower	Upper
2,4,5,6-Tetrachloro-m-xylene	57.0	33	138
Decachlorobiphenyl	88.4	32	135

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Leachate
Workgroup Number: WG225431
Collect Date: 10/12/2006 11:50
Sample Tag: 01

PrePrep Method: 1311
Prep Method: 3510C
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/L

Instrument: HP15
Prep Date: 10/17/2006 10:45
Cal Date: 10/18/2006 22:02
Run Date: 10/18/2006 23:56
File ID: 15G7436.F

Analyte	CAS Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Endrin	72-20-8		U	.5	.1	D012	20
Lindane	58-89-9		U	.5	.1	D013	400
Methoxychlor	72-43-5		U	.5	.1	D014	10000
Toxaphene	8001-35-2		U	10	3	D015	500
Chlordane	57-74-9		U	10	3	D020	30
Heptachlor	76-44-8		U	.5	.1	D031	8
Heptachlor Epoxide	1024-57-3		U	.5	.1	D031	8

Surrogate	% Recovery	Lower	Upper
2,4,5,6-Tetrachloro-m-xylene	54.7	33	138
Decachlorobiphenyl	84.4	32	135

U Not detected at or above adjusted sample detection limit

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Soil
Workgroup Number: WG225334
Collect Date: 10/12/2006 12:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/16/2006 12:00
Cal Date: 10/10/2006 14:30
Run Date: 10/17/2006 19:29
File ID: 4GR26048
Percent Solid: 82.9

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	19.8	9.89
Aroclor-1221	11104-28-2		U	19.8	9.89
Aroclor-1232	11141-16-5		U	19.8	9.89
Aroclor-1242	53469-21-9		U	19.8	9.89
Aroclor-1248	12672-29-6		U	19.8	9.89
Aroclor-1254	11097-69-1	1120	I	19.8	9.89
Aroclor-1260	11096-82-5		U	19.8	9.89

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	99.7	29	133	
Decachlorobiphenyl	142	30	173	

I Semiquantitative result (out of instrument calibration range)
U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Soil
Workgroup Number: WG225334
Collect Date: 10/12/2006 12:00
Sample Tag: DL01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 10
Units: ug/kg

Instrument: HP4
Prep Date: 10/16/2006 12:00
Cal Date: 10/10/2006 14:30
Run Date: 10/18/2006 13:40
File ID: 4GR26068
Percent Solid: 82.9

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	198	98.9
Aroclor-1221	11104-28-2		U	198	98.9
Aroclor-1232	11141-16-5		U	198	98.9
Aroclor-1242	53469-21-9		U	198	98.9
Aroclor-1248	12672-29-6		U	198	98.9
Aroclor-1254	11097-69-1	1510		198	98.9
Aroclor-1260	11096-82-5		U	198	98.9

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	118	29	133	
Decachlorobiphenyl	201	30	173	*

* Surrogate or spike compound out of range
U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Soil
Workgroup Number: WG225334
Collect Date: 10/12/2006 11:50
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/16/2006 12:00
Cal Date: 10/10/2006 14:30
Run Date: 10/17/2006 19:11
File ID: 4GR25047
Percent Solid: 82.4

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	19.7	9.86
Aroclor-1221	11104-28-2		U	19.7	9.86
Aroclor-1232	11141-16-5		U	19.7	9.86
Aroclor-1242	53469-21-9		U	19.7	9.86
Aroclor-1248	12672-29-6		U	19.7	9.86
Aroclor-1254	11097-69-1	4100	I	19.7	9.86
Aroclor-1260	11096-82-5		U	19.7	9.86

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	96.3	29	133	
Decachlorobiphenyl	116	30	173	

I Semiquantitative result (out of instrument calibration range)
U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Soil
Workgroup Number: WG225334
Collect Date: 10/12/2006 11:50
Sample Tag: DL01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 40
Units: ug/kg

Instrument: HP4
Prep Date: 10/16/2006 12:00
Cal Date: 10/10/2006 14:30
Run Date: 10/18/2006 13:22
File ID: 4GR26067
Percent Solid: 82.4

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	789	394
Aroclor-1221	11104-28-2		U	789	394
Aroclor-1232	11141-16-5		U	789	394
Aroclor-1242	53469-21-9		U	789	394
Aroclor-1248	12672-29-6		U	789	394
Aroclor-1254	11097-69-1	7380		789	394
Aroclor-1260	11096-82-5		U	789	394

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene		29	133	DL
Decachlorobiphenyl		30	173	DL

DL Surrogate or spike compound was diluted out
U Not detected at or above adjusted sample detection limit

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Leachate
Workgroup Number: WG225479
Collect Date: 10/12/2006 12:00
Sample Tag: 01

PrePrep Method: 1311
Prep Method: METHOD
Analytical Method: 8151A
Analyst: ECL
Dilution: 1
Units: ug/L

Instrument: HP9
Prep Date: 10/18/2006 06:30
Cal Date: 09/18/2006 15:48
Run Date: 10/18/2006 19:21
File ID: 9G36921.R

Analyte	CAS Number	Result	Qual	RL	MDL	EPA HW#	Req. Limit
2,4-D	94-75-7		U	20	10	D016	10000
2,4,5-TP (Silvex)	93-72-1		U	2	1	D017	1000

Surrogate	% Recovery	Lower	Upper
2,4-Dichlorophenylacetic acid	62.7	20	144

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Leachate
Workgroup Number: WG225479
Collect Date: 10/12/2006 11:50
Sample Tag: 01

PrePrep Method: 1311
Prep Method: METHOD
Analytical Method: 8151A
Analyst: ECL
Dilution: 1
Units: ug/L

Instrument: HP9
Prep Date: 10/18/2006 06:30
Cal Date: 09/18/2006 15:48
Run Date: 10/18/2006 18:54
File ID: 9G36920.R

Analyte	CAS Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
2,4-D	94-75-7		U	20	10	D016	10000
2,4,5-TP (Silvex)	93-72-1		U	2	1	D017	1000

Surrogate	% Recovery	Lower	Upper
2,4-Dichlorophenylacetic acid	51.9	20	144

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Leachate
Workgroup Number: WG225327
Collect Date: 10/12/2006 12:00
Sample Tag: 01

PrePrep Method: 1311
Prep Method: 3015
Analytical Method: 6010B
Analyst: SLP
Dilution: 1
Units: mg/L

Instrument IRIS-ICP
Prep Date: 10/17/2006 10:30
Cal Date: 10/17/2006 10:38
Run Date 10/17/2006 18:22
File ID: IR.101706.182200

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Silver, TCLP	7440-22-4		U	.1	.05	D011	5
Arsenic, TCLP	7440-38-2		U	1	.1	D004	5
Barium, TCLP	7440-39-3	0.482	J	5	.025	D005	100
Cadmium, TCLP	7440-43-9		U	.1	.025	D006	1
Chromium, TCLP	7440-47-3		U	.2	.025	D007	5
Lead, TCLP	7439-92-1		U	1	.1	D008	5
Selenium, TCLP	7782-49-2		U	.8	.5	D010	1

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Leachate
Workgroup Number: WG225421
Collect Date: 10/12/2006 12:00
Sample Tag: 01

PrePrep Method: 1311
Prep Method: METHOD
Analytical Method: 7470A
Analyst: PAS
Dilution: 1
Units: mg/L

Instrument HYDRA
Prep Date: 10/17/2006 10:40
Cal Date: 10/18/2006 10:55
Run Date 10/18/2006 11:51
File ID: HY.101806.115140

Analyte	CAS Number	Result	Qual	RL	MDL	EPA HW#	Req. Limit
Mercury, TCLP	7439-97-6		U	.005	.001	D009	0.2

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Leachate
Workgroup Number: WG225327
Collect Date: 10/12/2006 11:50
Sample Tag: 01

PrePrep Method: 1311
Prep Method: 3015
Analytical Method: 6010B
Analyst: SLP
Dilution: 1
Units: mg/L

Instrument IRIS-ICP
Prep Date: 10/17/2006 10:30
Cal Date: 10/17/2006 10:38
Run Date 10/17/2006 18:16
File ID: IR.101706.181600

Analyte	CAS Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Silver, TCLP	7440-22-4		U	.1	.05	D011	5
Arsenic, TCLP	7440-38-2		U	1	.1	D004	5
Barium, TCLP	7440-39-3	0.525	J	5	.025	D005	100
Cadmium, TCLP	7440-43-9	0.0291	J	.1	.025	D006	1
Chromium, TCLP	7440-47-3		U	.2	.025	D007	5
Lead, TCLP	7439-92-1	1.22		1	.1	D008	5
Selenium, TCLP	7782-49-2		U	.8	.5	D010	1

J The analyte was positively identified, but the quantitation was below the RL
U . Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Leachate
Workgroup Number: WG225421
Collect Date: 10/12/2006 11:50
Sample Tag: 01

PrePrep Method: 1311
Prep Method: METHOD
Analytical Method: 7470A
Analyst: PAS
Dilution: 1
Units: mg/L

Instrument HYDRA
Prep Date: 10/17/2006 10:40
Cal Date: 10/18/2006 10:55
Run Date 10/18/2006 11:50
File ID: HY.101806.115001

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Mercury, TCLP	7439-97-6		U	.005	.001	D009	0.2

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Soil
Workgroup Number: WG225453
Collect Date: 10/12/2006 12:00

PrePrep Method: NONE
Prep Method: SW-846
Analytical Method: SW-846
Analyst: DLP
Dilution: 1
Units: mg/kg

Instrument: UV-120-1V
Prep Date: 10/18/2006 08:00
Cal Date:
Run Date: 10/18/2006 08:00
File ID: U206101915123904

Analyte	CAS. Number	Result	Qual	RL	MDL
Reactivity, Cyanide	57-12-5		U	10.0	5.00

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Soil
Workgroup Number: WG225453
Collect Date: 10/12/2006 11:50

PrePrep Method: NONE
Prep Method: SW-846
Analytical Method: SW-846
Analyst: DLP
Dilution: 1
Units: mg/kg

Instrument: UV-120-1V
Prep Date: 10/18/2006 08:00
Cal Date:
Run Date: 10/18/2006 08:00
File ID: U206101915123903

Analyte	CAS. Number	Result	Qual	RL	MDL
Reactivity, Cyanide	57-12-5		U	10.0	5.00

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Soil
Workgroup Number: WG225454
Collect Date: 10/12/2006 12:00

PrePrep Method: NONE
Prep Method: SW-846
Analytical Method: SW-846
Analyst: DLP
Dilution: 1
Units: mg/kg

Instrument: BURET
Prep Date: 10/19/2006 08:00
Cal Date:
Run Date: 10/18/2006 08:00
File ID: BU061019151132004

Analyte	CAS. Number	Result	Qual	RL	MDL
Reactivity, Sulfide	18496-25-8		U	100	50.0

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Soil
Workgroup Number: WG225454
Collect Date: 10/12/2006 11:50

PrePrep Method: NONE
Prep Method: SW-846
Analytical Method: SW-846
Analyst: DLP
Dilution: 1
Units: mg/kg

Instrument: BURET
Prep Date: 10/18/2006 08:00
Cal Date:
Run Date: 10/18/2006 08:00
File ID: BU06101915132003

Analyte	CAS. Number	Result	Qual	RL	MDL
Reactivity, Sulfide	18496-25-8		U	100	50.0

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Soil
Workgroup Number: WG225273
Collect Date: 10/12/2006 12:00

PrePrep Method: NONE
Prep Method: 1010
Analytical Method: 1010
Analyst: DIH
Dilution: 1
Units: Degrees C

Instrument: PRECISION
Prep Date: 10/17/2006 08:30
Cal Date:
Run Date: 10/17/2006 08:30
File ID: PR06101812254405

Analyte	CAS. Number	Result	Qual	RL	MDL
Ignitability		73.0	>		

> Result is greater than the associated numerical value.

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438

Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Soil
Workgroup Number: WG225273
Collect Date: 10/12/2006 11:50

PrePrep Method: NONE
Prep Method: 1010
Analytical Method: 1010
Analyst: DIH
Dilution: 1
Units: Degrees C

Instrument: PRECISION
Prep Date: 10/17/2006 08:30
Cal Date:
Run Date: 10/17/2006 08:30
File ID: PR06101812254404

Analyte	CAS. Number	Result	Qual	RL	MDL
Ignitability		75.0	>		

> Result is greater than the associated numerical value.

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Soil
Workgroup Number: WG225524
Collect Date: 10/12/2006 12:00

PrePrep Method: NONE
Prep Method: 9095
Analytical Method: 9095
Analyst: TMM
Dilution: 1
Units:

Instrument: FILTER
Prep Date: 10/19/2006 09:25
Cal Date:
Run Date: 10/19/2006 09:25
File ID: ER06101911442103

Analyte	CAS. Number	Result	Qual	RL	MDL
Paint Filter Liquid Test			NFL		

NFL No free liquid

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Soil
Workgroup Number: WG225524
Collect Date: 10/12/2006 11:50

PrePrep Method: NONE
Prep Method: 9095
Analytical Method: 9095
Analyst: TMM
Dilution: 1
Units:

Instrument: FILTER
Prep Date: 10/19/2006 09:25
Cal Date:
Run Date: 10/19/2006 09:25
File ID: ER06101911442102

Analyte	CAS. Number	Result	Qual	RL	MDL
Paint Filter Liquid Test			NFL		

NFL No free liquid

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-02
Client ID: WC-01
Matrix: Soil
Workgroup Number: WG225353
Collect Date: 10/12/2006 12:00

PrePrep Method: NONE
Prep Method: 9045C
Analytical Method: 9045C
Analyst: TMB
Dilution: 1
Units: UNITS

Instrument: ORION-710A
Prep Date: 10/17/2006 15:00
Cal Date:
Run Date: 10/17/2006 15:00
File ID: OR06101812205404

Analyte	CAS. Number	Result	Qual	RL	MDL
Corrosivity pH		5.85			

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610438
Report Date : October 24, 2006

Sample Number: L0610438-01
Client ID: WC-02
Matrix: Soil
Workgroup Number: WG225353
Collect Date: 10/12/2006 11:50

PrePrep Method: NONE
Prep Method: 9045C
Analytical Method: 9045C
Analyst: TMB
Dilution: 1
Units: UNITS

Instrument: ORION-710A
Prep Date: 10/17/2006 15:00
Cal Date:
Run Date: 10/17/2006 15:00
File ID: OR06101812205403

Analyte	CAS. Number	Result	Qual	RL	MDL
Corrosivity pH		7.32			

TRANSMITTAL LETTER
Chemistry Services

TO: Mike Lamon
mlamon@cape-inc.com

FROM: Denise McGuire
dmcguire@cape-inc.com

CC: Christelle Newsome
cnewsome@cape-inc.com

Will Torres
wtorres@cape-inc.com

Date: November 3, 2006

Project/Task Cornell PCB Core Sampling

We are transmitting herewith the following:

- [ ] Original Analytical Data (hardcopy/CD)
- [ ] Quality Assurance Report (QAR)
- [X] Laboratory reports – Annotated Form 1s only
- [ ] SAP/QAPP
- [ ] EDDs
- [ ] Cost Summary

- [ ] For your use
- [ ] Revise and resubmit
- [ ] No exception taken
- [ ] Make corrections needed

# COPIES	DESCRIPTION
1	Preliminary results for the core samples collected 10/24/06.

Comments

Please see the attached data for your preliminary data use and review. Note, the data has not undergone the full CAPE comprehensive data quality assessment and is subject to change as a result of laboratory quality control exceptions applied during the validation process.

Enclosed Results are Approved for Quality Assurance Release by: Denise McGuire 11/3/06

Project Cornell

Number #: 50001.001.001.008

2302 Parklake Drive
Atlanta, GA 30345-2907

LABORATORY REPORT

L0610683

11/03/06 12:55

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Cape Environmental
2302 Parklake Drive
Suite 200
Atlanta, GA 30345
Attention: Christelle Newsome

Account Number: 2828
Work ID: CORNELL

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
CONC-1	L0610683-01	24-OCT-06	25-OCT-06
CONC-2	L0610683-02	24-OCT-06	25-OCT-06
CONC-3	L0610683-03	24-OCT-06	25-OCT-06
CONC-4	L0610683-04	24-OCT-06	25-OCT-06
CONC-5	L0610683-05	24-OCT-06	25-OCT-06
CONC-6	L0610683-06	24-OCT-06	25-OCT-06
CONC-7	L0610683-07	24-OCT-06	25-OCT-06

CAPE℠

CHAIN-OF-CUSTODY RECORD

2302 Parklake Drive, Suite 200, Atlanta, GA 30345-2907
Tel No: (770) 908-7200 Fax No: (770) 908-7219

[1] COC NUMBER: 4002

[2] PROJECT NAME	[3] PROJECT NUMBER	[5] LAB NAME AND CONTACT	[11] FAX AND MAIL REPORTS/EDD TO RECIPIENT 1 (Name and Company)	[14] RECIPIENT 1 (Address, Tel. No., and Fax No.)
CORNELL	50001.001	KEMRON	DENISE MCGUIRE	180 GORDON DR. SUITE 102 EXTON, PA 19341 610-[redacted] 594-8[illegible]
[3] PROJECT PHASE/SITE/TASK	[8] CTO OR TO NUMBER	[9] LAB PO NUMBER	[12] FAX AND MAIL REPORTS/EDD TO RECIPIENT 2 (Name and Company)	[15] RECIPIENT 2 (Address, Tel. No., and Fax No.)
[4] PROJECT CONTACT	[7] PROJECT TEL NO AND FAX NO	[10] LAB TEL NO AND FAX NO	[13] FAX AND MAIL REPORTS/EDD TO RECIPIENT 3 (Name and Company)	[16] RECIPIENT 3 (Address, Tel. No., and Fax No.)
DENISE MCGUIRE				

[25] ANALYSES REQUIRED (Include Method Numbers): PCBs

[17] ITEM	[18] SAMPLE IDENTIFIER	[19] SAMPLE DESCRIPTION/LOCATION	[20] MATRIX (See codes on SOP)	[21] DATE COLLECTED	[22] TIME COLLECTED	[23] DATA PKG LEVEL (see codes on SOP)	[24] TAT (calendar days)	PCBs	[26] SAMPLE TYPE (see codes on SOP)	[27] COMMENTS/ SCREENING READINGS	[28] LAB ID (for Lab's use)
1	CONC-1		CONC	10/24/06	1500			X	GRAB		
2	CONC-2		↓	↓	1515			X	↓		
3	CONC-3		↓	↓	1520			X	↓		
4	CONC-4		↓	↓	1525			X	↓		
5	CONC-5		↓	↓	1530			X	↓		
6	CONC-6		↓	↓	1535			X	↓		
7	CONC-7		↓	↓	1540			X	↓		
8											
9											
10											

c/c sealed
SP intact
Cooler Temp 1
B4

[29] SAMPLER(S) AND COMPANY: (please print)	[30] COURIER AND SHIPPING NUMBER	[31] SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT (for Lab's use)
SCOTT S./NICOLE S./JON A.	FedEx # 7928 7143 7584	

[32] RELINQUISHED BY	DATE	TIME	[33] RELINQUISHED BY	DATE	TIME
Printed Name and Signature: NICOLE SHERMAN	10/24/06	1700	Printed Name and Signature: Brenda Gregory / Brenda Gregory	10/25/06	0907
Printed Name and Signature			Printed Name and Signature		
Printed Name and Signature			Printed Name and Signature		

Distribution: ☐ Original - Laboratory (To be returned with Analytical Report); ☐ Copy 1 - Project File; ☐ Copy 2 - CPC

Form CS003, Rev 010 05

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610683
Report Date : November 3, 2006

Sample Number: L0610683-01
Client ID: CONC-1
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 19:54
File ID: 4GR26300

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.3	8.14
Aroclor-1221	11104-28-2		U	16.3	8.14
Aroclor-1232	11141-16-5		U	16.3	8.14
Aroclor-1242	53469-21-9		U	16.3	8.14
Aroclor-1248	12672-29-6		U	16.3	8.14
Aroclor-1254	11097-69-1	15.1	J	16.3	8.14
Aroclor-1260	11096-82-5		U	16.3	8.14

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	73.5	29	133	
Decachlorobiphenyl	103	30	173	

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: L0610683-02
Client ID: CONC-2
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 20:12
File ID: 4GR26301

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.8	8.42
Aroclor-1221	11104-28-2		U	16.8	8.42
Aroclor-1232	11141-16-5		U	16.8	8.42
Aroclor-1242	53469-21-9		U	16.8	8.42
Aroclor-1248	12672-29-6		U	16.8	8.42
Aroclor-1254	11097-69-1	57.6		16.8	8.42
Aroclor-1260	11096-82-5		U	16.8	8.42

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	76.8	29	133	
Decachlorobiphenyl	106	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0610683-03
Client ID: CONC-3
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 20:30
File ID: 4GR26302

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.9	8.43
Aroclor-1221	11104-28-2		U	16.9	8.43
Aroclor-1232	11141-16-5		U	16.9	8.43
Aroclor-1242	53469-21-9		U	16.9	8.43
Aroclor-1248	12672-29-6		U	16.9	8.43
Aroclor-1254	11097-69-1		U	16.9	8.43
Aroclor-1260	11096-82-5		U	16.9	8.43

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610683
Report Date : November 3, 2006

Sample Number: L0610683-03
Client ID: CONC-3
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 20:30
File ID: 4GR26302

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	74.1	29	133	
Decachlorobiphenyl	96.5	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0610683-04
Client ID: CONC-4
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 20:48
File ID: 4GR26303

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.5	8.23
Aroclor-1221	11104-28-2		U	16.5	8.23
Aroclor-1232	11141-16-5		U	16.5	8.23
Aroclor-1242	53469-21-9		U	16.5	8.23
Aroclor-1248	12672-29-6		U	16.5	8.23
Aroclor-1254	11097-69-1		U	16.5	8.23
Aroclor-1260	11096-82-5		U	16.5	8.23

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	61.1	29	133	
Decachlorobiphenyl	93.9	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0610683-05
Client ID: CONC-5
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 21:06
File ID: 4GR26304

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.4	8.19
Aroclor-1221	11104-28-2		U	16.4	8.19
Aroclor-1232	11141-16-5		U	16.4	8.19
Aroclor-1242	53469-21-9		U	16.4	8.19
Aroclor-1248	12672-29-6		U	16.4	8.19
Aroclor-1254	11097-69-1		U	16.4	8.19
Aroclor-1260	11096-82-5		U	16.4	8.19

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	75.0	29	133	
Decachlorobiphenyl	102	30	173	

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0610683

Report Date : November 3, 2006

Sample Number: L0610683-06
Client ID: CONC-6
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 21:24
File ID: 4GR26305

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.4	8.20
Aroclor-1221	11104-28-2		U	16.4	8.20
Aroclor-1232	11141-16-5		U	16.4	8.20
Aroclor-1242	53469-21-9		U	16.4	8.20
Aroclor-1248	12672-29-6		U	16.4	8.20
Aroclor-1254	11097-69-1		U	16.4	8.20
Aroclor-1260	11096-82-5		U	16.4	8.20

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	90.7	29	133	
Decachlorobiphenyl	112	30	173	

U Not detected at or above adjusted sample detection limit

Sample Number: L0610683-07
Client ID: CONC-7
Matrix: Solidwaste
Workgroup Number: WG226455
Collect Date: 10/24/2006 00:00
Sample Tag: 01

PrePrep Method: NONE
Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg

Instrument: HP4
Prep Date: 10/30/2006 11:30
Cal Date: 11/01/2006 16:00
Run Date: 11/01/2006 21:42
File ID: 4GR26306

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	16.4	8.20
Aroclor-1221	11104-28-2		U	16.4	8.20
Aroclor-1232	11141-16-5		U	16.4	8.20
Aroclor-1242	53469-21-9		U	16.4	8.20
Aroclor-1248	12672-29-6		U	16.4	8.20
Aroclor-1254	11097-69-1		U	16.4	8.20
Aroclor-1260	11096-82-5		U	16.4	8.20

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	89.9	29	133	
Decachlorobiphenyl	110	30	173	

U Not detected at or above adjusted sample detection limit

Waste Characterization Profile, PADEP Form U, and Analytical Data

Cape Environmental Management, Inc.

180 GORDON DRIVE, SUITE 102
EXTON, PENNSYLVANIA 19341

CORNELL-DUBILIER SUPERFUND SITE
CONTRACT NO. W912DQ-05-D-0001
TASK ORDER NO. 0001

(732) 846-5830
Fax (732) 846-5837

PATRICK NEJAND
Project Engineer

US Army Corps
of Engineers
New York District
Environmental Residency

214 State Hwy. 18
East Brunswick, NJ 08816
patrick.nejand@usace.army.mil

November 16, 2005

Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Waste Management

Subject: Request for Expediting PA Form U Application for the Cornell Dubilier Superfund Site, South Plainfield, New Jersey

Due to the sensitive nature and location of the sites (i.e., occupied residential properties) to be remediated and the upcoming Thanksgiving Holiday, the USACE is requesting your timely review and approval of the attached PADEP Form U for the Cornell-Dubilier Superfund Site located in South Plainfield, New Jersey.

If you have any questions or need additional information, please do not hesitate to contact Will Torres of CAPE Environmental at 717-278-9428.

Sincerely,

Patrick Nejand
Project Engineer

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10. Historical Data and Property Maps

USEPA Signature Authorization Letter

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

December 1, 2005

Nicholle Bilodeau
Industrial Technical Service
Waste Management of PA
1000 New Ford Mill Road
Morrisville, PA 19067

Re: Cornell-Dubilier Electronics Superfund site
South Plainfield, New Jersey

Dear Ms. Newsome:

The purpose of this letter is to inform you that the U.S. Environmental Protection Agency (EPA) has entered into an interagency agreement with the U.S. Army Corps of Engineers (USACE) for remedial action activities in accordance with the September 30, 2003 Record of Decision for Operable Unit 1 (OU1) at the Cornell-Dubilier Electronics Superfund site.

Pursuant to this interagency agreement, the USACE awarded a contract to CAPE Environmental Management, Inc. (CAPE) for the performance of the OU1 remedial action for the Phase A properties at the site. The remedial action involves the excavation of PCB-contaminated soils at residential and commercial properties in the vicinity of the former Cornell-Dubilier Electronics facility. In October 2005, EPA and the USACE approved the work plan, including the sampling and analysis plan, prepared by CAPE for the performance of this remedial action.

Pursuant to the interagency agreement and contract award, CAPE is authorized as an agent to complete and issue a non-hazardous waste determination for the soil waste generated from the remedial action at the Phase A properties. CAPE's Corporate Program Chemist, Christelle Newsome, serves as the technical resource to the Quality Control Systems Manager in the area of chemical data QC.

If you have any questions regarding the information contained in this letter, please feel free to contact me at (212) 637-4395.

Sincerely,

Peter Mannino, Remedial Project Manager
Central New Jersey Remediation Section

G.R.O.W.S. Landfill Required Waste Characterization Parameters
Table A

G.R.O.W.S. Landfill - Required Waste Characterization Parameters
Table A

	Parameter Name	Type	Category	Limits	Units	85% of Limit
☐	Ignitibility	As Received		>140	F	
☐	Oil & Grease	As Received			mg/kg	
☐	Paint Filter Test	As Received		No free liquids		
☐	PCB's	As Received		50		
☐	pH	As Received		2 - 12.5	S.U.	
☐	Reactive Cyanide	As Received		100		
☐	Reactive Sulfide	As Received		500		
☐	Total Solids	As Received				
☐	Total Volatile Solids	As Received				
☐	Ammonia-Nitrogen	ASTM		111111	mg/l	
☐	Chemical Oxygen Demand	ASTM				
☐	Oil & Grease	ASTM		88550	mg/l	
☐	Total Solids	ASTM				
☐	pH	TCLP				
☐	Arsenic	TCLP	Metals	5	mg/l	4.25
☐	Barium	TCLP	Metals	100	mg/l	85
☐	Cadmium	TCLP	Metals	1	mg/l	0.85
☐	Chromium	TCLP	Metals	5	mg/l	4.25
☐	Copper	TCLP	Metals	167	mg/l	142
☐	Lead	TCLP	Metals	5	mg/l	4.25
☐	Mercury	TCLP	Metals	0.2	mg/l	0.17
☐	Nickel	TCLP	Metals	242	mg/l	206
☐	Selenium	TCLP	Metals	1	mg/l	0.85
☐	Silver	TCLP	Metals	5	mg/l	4.25
☐	Zinc	TCLP	Metals	1875	mg/l	1594
☐	2,4-D	TCLP	Herb	10	mg/l	8.5
☐	2,4,5-TP	TCLP	Herb	1	mg/l	0.85
☐	Chlordane	TCLP	Pest	0.03	mg/l	0.0255
☐	Endrin	TCLP	Pest	0.02	mg/l	0.017
☐	Heptachlor	TCLP	Pest	0.008	mg/l	0.0068
☐	Heptachlor Epoxide	TCLP	Pest	0.008	mg/l	0.0068
☐	Lindane	TCLP	Pest	0.4	mg/l	0.34
☐	Methoxychlor	TCLP	Pest	10	mg/l	8.5
☐	Toxaphene	TCLP	Pest	0.5	mg/l	0.425
☐	2,4,5-trichlorophenol	TCLP	Acids	400	mg/l	340
☐	2,4,6-trichlorophenol	TCLP	Acids	2	mg/l	1.7
☐	m-cresol	TCLP	Acids	200	mg/l	170
☐	o-cresol	TCLP	Acids	200	mg/l	170
☐	p-cresol	TCLP	Acids	200	mg/l	170
☐	Pentachlorophenol	TCLP	Acids	100	mg/l	85
☐	2,4-dinitrotoluene	TCLP	Base/Neutral	0.13	mg/l	0.1105
☐	Hexachlorobenzene	TCLP	Base/Neutral	0.13	mg/l	0.1105
☐	Hexachlorobutadiene	TCLP	Base/Neutral	0.5	mg/l	0.425
☐	Hexachloroethane	TCLP	Base/Neutral	3	mg/l	2.55
☐	Nitrobenzene	TCLP	Base/Neutral	2	mg/l	1.7
☐	Pyridine	TCLP	Base/Neutral	5	mg/l	4.25
☐	1,1-dichloroethylene	TCLP	Volatiles	0.7	mg/l	0.595
☐	1,2-dichloroethane	TCLP	Volatiles	0.5	mg/l	0.425
☐	1,4-dichlorobenzene	TCLP	Volatiles	7.5	mg/l	6.375
☐	Benzene	TCLP	Volatiles	0.5	mg/l	0.425
☐	Carbon Tetrachloride	TCLP	Volatiles	0.5	mg/l	0.425
☐	Chlorobenzene	TCLP	Volatiles	100	mg/l	85
☐	Chloroform	TCLP	Volatiles	8	mg/l	6.8
☐	Methyl ethyl ketone	TCLP	Volatiles	200	mg/l	170
☐	Tetrachloroethylene	TCLP	Volatiles	0.7	mg/l	0.595
☐	Trichloroethylene	TCLP	Volatiles	0.5	mg/l	0.425
☐	Vinyl Chloride	TCLP	Volatiles	0.2	mg/l	0.17

Non-Hazardous Waste Profile

PCB CERTIFICATION

I, Pete Mannino (generator/title), certify to GROWS (WM Facility) that within my company, I have knowledge concerning the accuracy of the following representation and that the following representations are correct to the best of my knowledge.

1. Customer has historic PCB contamination, and cannot attribute the contamination to any particular source. (Check applicable box below)

   PM ☒ I am unable to locate any information which indicate that a spill of PCBs occurred subsequent to February 17, 1978 which could have contaminated the waste covered by this certification, and the actual PCB concentration of the waste is less than 50 ppm.

   ☐ Any PCBs detected in the waste covered by this certification resulted from a spill of PCBs that occurred prior to February 17, 1978, and the actual PCB concentration of the waste is less than 50 ppm.

2. Spill of PCB material occurred after February 17, 1978 and records or generator knowledge indicate that the contaminant source had concentrations less than 50 ppm. Pertinent sampling data to this certification must be attached. (check applicable box below)

   ☐ The waste covered by this certification has an actual concentration of PCBs less than 50 ppm per generator knowledge or analytical results.

   ☐ The source of the PCB contamination analyzed and found to have a PCB concentration less that 50 ppm.

3. Remediation Waste (40CFR 761.61)

   PM ☒ The waste covered by this certification is remediation waste, as defined by §761.3, from a cleanup managed under the self-implementing approach, §761.61 (a), with a PCB concentration less than 50 ppm.

   ☐ The waste covered by this certification is cleanup waste regulated under §761.61 (a)(5)(v). The waste may contain PCBs at any concentration and was generated during the cleanup of PCB remediation waste under the self-implementing approach.

   ☐ Generator to attach copy of self-implementing notification submitted under §761.61 (a)(3)(i) and copy of approval of the notification.

   ☐ "I certify that the attached self-implementing notification was submitted to the applicable regulatory authority for approval 30 days prior to the commencement of cleanup activity The regulatory authority did not respond within 30 days of receiving the notification, therefore, it is assumed that the notification is approved."

Total volume of material to be shipped: – Total # of shipments: –

Highest concentration of PCBs in material: –

☐ The waste is remediation waste from a cleanup conducted under the authority of CERCLA or RCRA.

4. Bulk Product Waste (40CFR 761.62)

   ☐ The waste covered by this certification is PCB bulk waste regulated under §761.62 (b)(1) which include components Containing PCBs at greater than or equal to 50 ppm and leaches at less than 10 micrograms/Liter PCBs.

   ☐ The waste covered by this certification is PCB bulk product waste regulated under §761.62 (b)(2) which include Components containing PCBs at greater than or equal to 50 ppm and leaches at greater than or equal to 10 micrograms/Liter PCBs.

Signature: Peter Mannino Date: 12/1/05

Rev (4/99)

WASTE MANAGEMENT

GENERATOR'S WASTE PROFILE SHEET

PLEASE PRINT IN INK OR TYPE

Service Agreeement on File? ☐ Yes ☐ No Profile Number: WMI _____
Renewal Date: _____

A. Waste Generator Information

1. Generator Name: US EPA
2. SIC Code: N/A
3. Facility Street Address: 333 Hamilton Blvd
4. Phone: N/A
5. Facility City: South Plainfield
6. State/Province: New Jersey
7. Zip/Postal Code: 07080
8. Generator USEPA/Federal ID #: NJR000024026
9. County: Middlesex
10. State/Province ID #: N/A
11. Customer Name: Beneficial/ WTDI
12. Customer Phone: 410-2150758 / 800-901-0081
13. Customer Contact: Rick Obrien/ Brian Mathis
14. Customer Fax: 410-597-2028 / 770-934-9236

B. Waste Stream Information

1. Name of Waste: Non-haz Non-Regulated Impacted Soil
2. State Waste Code: 920
3. Process Generating Waste: Soil Excavated from Phase A of residential properties. See Attachment for Additional Information
4. Estimated Annual Volume: 1,000 ■ Tons ☐ Yards ☐ Other (specify) _____
5. Personal Protective Equipment Requirements: None
6. Transporter/Transfer Station: Freehold Cartage Inc
7. Is this a US Department of Transportation (USDOT) Hazardous Material? (If no, skip 8, 9 & 10) ☐ Yes ☒ No
8. Reportable Quantity (lbs.;kgs.): n/a
9. Hazardous Class/ID #: n/a
10. USDOT Shipping Name: Non Haz Non-Regulated Soil

☒ Check if additional information is attached. Indicate the number of attached pages: 35

C. Generator's Certification (Please check appropriate responses, sign, and date below.)

1. Is the waste represented by this waste profile sheet a "Hazardous Waste," as defined by USEPA, Canadian, Mexican and/or state/province regulation, in the location where generated or ultimately managed? ☐ Yes ☒ No
2. Does the waste represented by this waste profile sheet contain regulated radioactive material or regulated concentrations of Polychlorinated Biphenyls (PCBs)? ☐ Yes ☒ No
3. Does this waste profile sheet and all attachments contain true and accurate descriptions of the waste material? ☒ Yes ☐ No
4. Has all relevant information within the possession of the Generator regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☒ Yes ☐ No
5. Is the analytical data attached hereto derived from testing a representative sample in accordance with 40 CFR 261.20 (c) or equivalent rules? ☐ N/A ☒ Yes ☐ No
6. Will all changes that occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor? ☒ Yes ☐ No

Certification Signature & Date: Pete Mannino 12/1/05 Title: Remedial Project Manager
Name (Type or Print): Peter Mannino Customer Name: EPA

D. WMI Management's Decision

1. Management Method: ☐ Landfill ☐ Solidify ☐ Bioremediation ☐ Other (specify) _____
2. Proposed Ultimate Management Facility: _____
3. Hours of Acceptence: _____ ☐ N/A
4. Supplemental Information: _____
5. Precautions, Special Handling Procedures, or Limitations on Approval: _____

Special Waste Decision: ☐ Approved ☐ Disapproved
Salesperson's Signature: _____ Date: _____
Division Approval Signature (Optional): _____ Date: _____
Special Waste Approvals Person Signature: _____ Date: _____

Non-Hazardous Certification Letter

CAPE

December 1, 2005

Ms. Nicole Bilodea
Waste Management, Inc.
1513 Bordentown Road
Morrisville, PA 19067

Dear Ms. Bilodea,

Pursuant to the authority delegated by the U.S. Environmental Protection Agency for determination of the non-hazardous waste profile pertaining to soil removed during the Phase A Remedial Action of Operable Unit 1 of the Cornell Dubilier Electronics Superfund Site, please find the attached waste determination.

CAPE Environmental has sampled and analyzed soils excavated from the residential and commercial properties contained within Operable Unit 1 for comparison with the waste acceptance criteria listed in G.R.O.W.S Landfill's Table A parameters. The analyses were performed by Kemron Environmental Services (Kemron) of Marietta, Ohio. Results are included with the disposal package of which this letter is included. Kemron possess a NELAC accreditation (E8755) and a New Jersey State laboratory number of 0H004.
CAPE has verified via thorough review that the sample analyses were accurate, complete, and considered representative for comparison to the Table A parameter list provided for the G.R.O.W.S Landfill and/or the Tullytown Resource Recovery Facility (Tullytown Landfill). Based on this comparison, CAPE Environmental offers the following:

> ***"I, the undersigned, being duly authorized by the U.S. Environmental Protection Agency (company), certify that the wastestream(s) we are disposing at the G.R.O.W.S Landfill and/or the Tullytown Resource Recovery Facility (Tullytown Landfill), is not a characteristic hazardous waste as defined in 40 CFR, Sections 261.20 to 261.24 and/or is not a listed waste as defined in 40 CFR, Sections 261.30 to 261.34. Furthermore, based on the generator's knowledge of the company's process, TCLP and Total Characteristics not tested for are known not to be present in the concentrations equal to or greater than the value specified in the TC Rule 40 CFR Part 261.24."***

If you have any questions regarding this letter of the information referenced herein, please feel free to contact myself at (770) 908-7200 or Mike Lamon at (865) 934-1331.

Best Regards,

Christelle Newsome

Christelle Newsome
Corporate Chemistry Program Manager
CAPE Environmental Management, Inc.

PADEP Form U Application

2540-PM-LRWM0395 Rev 1/2003
Form

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

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. If additional space is necessary, identify each attached sheet as Form U, reference the item number and identify the date prepared. The date on attached sheets needs to match the date noted below.

DEP USE ONLY
Date Received & General Notes

Date Prepared/Revised

SECTION A. LANDFILL CLIENT (LANDFILL OR PROCESSING FACILITY OWNER) INFORMATION

DEP Client ID#
DEP Client Type / Code

Organization Name or Registered Fictitious Name
Waste Management of PA, Inc.

SECTION B. LANDFILL SITE (LANDFILL OR PROCESSING FACILITY) INFORMATION

DEP Site ID#
Site Name: G.R.O.W.S
Landfill Permit ID#: 100148

Site Contact Last Name: Demkovitz
First Name: Don
MI:
Suffix: Mr.

Site Contact Title: Region Compliance Manager
Site Contact Email Address: ddemkovitz@wm.com

SECTION C. GENERATOR CLIENT (GENERATOR OF THE WASTE) INFORMATION

Company Name: United States Environmental Protection Agency
DEP Generator ID#

Company Contact Last Name: Mannino
First Name: Peitro
MI:
Suffix:

Company Mailing Address Line 1: 290 Broadway Avenue
Company Mailing Address Line 2:

Company Address Last Line – City: New York City
State: NY
Zip+4: 10007
Country: USA

Company Phone: 212-637-4395
Ext:
Company Email Address:

Company Contact Last Name:
First Name:
MI:
Suffix:

Contact Phone:
Ext:
Contact Email Address:

If a Subsidiary, Name of Parent Company

Is the waste generated at the Company Mailing Address (noted above)? ☐ Yes ☒ No
If 'No', describe location of waste generation and storage.
Cornell-Dubiler Electronics Superfund Site
Township: South Plainfield
County: Middlesex
State: NJ

SECTION D. WASTE DESCRIPTION

Residual Waste Code	Residual Waste Code Description	Amount	Unit of Measure	Time Frame
920	Contaminated Soil / Site Clean-Up	1,000	☐ cu yd ☐ gal ☐ lb ☒ ton	☒ One Time

1. GENERAL PROPERTIES

a. pH Range 7 to 9 (based on analyses or knowledge)

b. Physical State
☐ Liquid Waste (EPA Method 9095)
☒ Solid (EPA Method 9095)
☐ Gas (ambient temperature & pressure)

c. Physical Appearance
Color: Brown
Odor: None
Number of Solid or Liquid Phases of Separation: 1
Describe each phase of separation.

d.	Attached is information from the generator certifying that a hazardous waste determination has been done and that the waste is not hazardous waste as defined in 40 CFR 261, as incorporated by reference at 25 Pa. Code 261a.1. Caution: If 'No', the application form is incomplete.	☒ Yes	☐ No
e.	Is the waste treated hazardous waste?	☐ Yes	☒ No
	If 'Yes', list the hazardous waste code(s) that apply to the hazardous waste before treatment.		
	If 'Yes', what treatment option was selected?		
	What limit was required to be met by the treatment option?		
	Provided a copy of the certification required under 40 CFR 268.7(a), as incorporated by reference at 25 Pa. Code 268a.1, that the waste meets all the land disposal restriction requirements, as specified in 40 CFR Part 268, Subpart D (Land Disposal Restrictions-Treatment Standards).	☐ Yes	☒ No
f.	Has the waste been delisted as a hazardous waste by DEP or US EPA?	☐ Yes ☐ No	☒ N/A
g.	Has the waste been accepted for disposal/processing at another Pennsylvania facility? If 'Yes', list the facility permit ID number(s).	☐ Yes	☒ No
h.	Has an application for disposal/processing of the waste at another Pennsylvania facility been submitted? If 'Yes', list the facility permit ID number(s).	☐ Yes	☒ No

2. Chemical Analysis Attachments

a.	Has a detailed physical and chemical characterization of the waste and its leachate been conducted? If 'No', provide detailed explanation supporting use of generator knowledge in lieu of actual chemical analysis.	☒ Yes	☐ No
	If 'Yes', attached is a description of the waste sampling method, in accordance with the waste sampling plan as required in §271.611(a)(3) or §287.132(a)(3).	☒ Yes	☐ No
b.	Laboratory Registration Number		

3. Process Description & Schematic Attachments

a.	Attached is a detailed description of the manufacturing and/or pollution control processes producing the waste. If 'No', provide explanation.	☒ Yes	☐ No
b.	Attached is a schematic of the manufacturing and/or pollution control processes producing the waste. If 'No', provide explanation.	☐ Yes	☒ No
c.	Attached is the substantiation for a confidentiality claim (if portions of the information submitted are confidential).	☐ Yes ☐ No	☒ N/A

4. Chemical Analysis Waiver

Categories of residual wastes that qualify for the waiving of chemical analysis by the Department are listed below. Check the appropriate box(es) that match the waste proposed to be accepted for disposal.

- ☐ burnt demolition debris
- ☐ cured rubber scrap
- ☐ fabric/cloth/textile/leather wastes (excluding treatment sludges)
- ☐ food wastes (excluding treatment sludges)
- ☐ metal scrap (excluding powdered grindings or if contaminated with fluids or oils)
- ☐ shingle scrap
- ☐ waste plastic (excluding extrusion manufacturing & uncured resins)
- ☐ Other (explain)
- ☐ carpet scraps
- ☐ empty containers (uncontaminated)
- ☐ fiberglass insulation scrap
- ☐ hot drained used oil filters (non-terne plated)
- ☐ sawdust (excluding treated wood)
- ☐ waste paper
- ☐ wood wastes (excluding treated wood)

All waste types not listed above must be approved in writing in the permit by the Department prior to processing or disposal facility acceptance.

SECTION E. PROPOSED PROCESSING, STORAGE AND/OR DISPOSAL METHOD

Will any special handling procedures (besides direct disposal) described in the waste acceptance plan, be used when managing the waste? If 'Yes', describe.	☐ Yes	☒ No
Is this material re-used for construction or operation of the facility? If Yes', describe.	☐ Yes	☒ No

SECTION F. SOURCE REDUCTION STRATEGY

Form 25R must be completed by the generator and attached to this application unless waived in the instructions to that form.

Form 25R attached. ☐ Yes ☐ No ☒ Waived

SECTION G. CERTIFICATION OF PROCESSING OR DISPOSAL FACILITY

I hereby certify that the statements of fact contained therein are true and correct to the best of my knowledge, information and belief. This statement and verification is made subject to the penalties of 18 Pa. C.S.A. Section 4904, relating to un-sworn falsification to authorities.

Name of Responsible Official	**Title**
Peter Mannino	Remedial Project Manager
Signature	**Date** 12/1/05

Analytical Data

Chemistry Program Technical Memorandum

DATE: November 30, 2005

TO: Brian Mathis

CC: Michael Lamon

FROM: Christelle Newsome

RE: G.R.O.W.S. Analytical Requirements

On behalf of CAPE Environmental Cornell Dubilier Electronics Project Team, this memorandum is issued to support analytical determination provided as a part of the data release for the waste characterization associated with the OU-1 Removal Action. G.R.O.W.S. provided guidance (Table A) that defined which results needed to be submitted prior to the disposal of waste at their landfill. The soil sample was collected and analyzed acceptably for all parameters listed in the G.R.O.W.S. Table A except those methods which are generally only performed on aqueous matrices. These water specific methods are Oil & Grease, Total Volatile Solids, Ammonia-Nitrogen, and Chemical Oxygen Demand.

The water specific analyses were accomplished by performing a deionized water leach extraction on the soil sample, followed by the water specific analyses on the leachate. The water specific analyses are not typically performed on a soil or leachate matrix and are not standard practice. The analyses were performed to satisfy the G.R.O.W.S. requirements, and may not accurately represent the soil composition. As such, the results for these analyses are qualified as estimated to indicate the uncertainty associated with the non-standard methodology. Other wise, the waste sample data review did not provide evidence which supports that there are leachable concentrations of concern at this site.

Denise McGuire

Denise McGuire
CAPE Sr. Project Chemist
for
Christelle Newsome
CAPE *Corporate Chemistry Program Manager*

2302 Parklake Drive, Suite200 ▲ Atlanta, Georgia 30345-2907
(770) 908-7200 ▲ Fax (770) 908-7219

KEMRON
ENVIRONMENTAL SERVICES

156 Starlite Drive, Marietta, OH 45750 * TEL 740-373-4071 * FAX 740-373-4835 * http://www.kemron.com

Laboratory Report Number: L0511244

Please find enclosed the analytical results for the samples you submitted to KEMRON Environmental Services.

Review and compilation of your report was completed by KEMRON's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact our team member noted in the Reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

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vlauer@kemron-lab.com

This report was reviewed on 30-NOV-05.

Stephanie Mossburg

STEPHANIE MOSSBURG

I certify that all test results meet all of the requirments of the NELAP standards and other applicable contract terms and conditions. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on an 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of KEMRON Environmental Services.

This report was certified on 30-NOV-05.

David E. Vandenberg

DAVID VANDENBERG

FL DOH NELAP ID: E8755

This report contains a total of pages.

Protecting Our Environmental Future

KEMRON Environmental Services

List of Valid Qualifiers

November 28, 2005

Qualkey: STD

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
FL	Free Liquid
I	Semiquantitative result (out of instrument calibration range)
J	The analyte was positively identified, but the quantitation was below the RL
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	ESTIMATE & COLUMNS DON'T AGREE TO WITHIN 40%
L	Sample reporting limits elevated due to matrix interference
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND	Not detected at or above the reporting limit
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria fail. See narrative.
QNS	*Quantity of sample not sufficient to perform analysis*
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Undetected; the concentration is below the reported MDL.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

COC No. A 59755

156 Starlite Drive
Marietta, OH 45750

KEMRON
ENVIRONMENTAL SERVICES
CHAIN-OF-CUSTODY RECORD

Phone: 740-373-4071
Fax: 740-373-4835

Company Name: CAPE ENVIRONMENTAL

Project Contact: Chuck Reed

Contact Phone #: 610-775-3400

Turn Around Requirements: 72 hours

Location: South Plainsfield

Project #:

Project Name: CORNELL

Sampler (print): Chuck Reed

Signature: C Reed

Sample I.D. No.	Comp*	Grab	Date	Time	Protocol CWA	Protocol SW846	NUMBER OF CONTAINERS	Hold	Whole Characterization	TCLP VOA	TCLP SVOA	TCLP PEST	PCB	TCLP METALS	Paint Filter	Reactivity	Corrosivity	Ignitability								Program: ☐ NPDES ☐ AFCEE ☐ RCRA ☐ USACE ☐ Other ____ ADDITIONAL REQUIREMENTS
WC-SO-01	X		11/9/05	1500			3		X	X	X	X	X	X	X	X	X	X								

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
C Reed	11/9/05	2000					c/o Keated Supertract by

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Cooler Temp in °C	Remarks:
			Brenda Gregory	11/10/05	0959	5	For specific parameters call Christelle Newsome

*Homogenize all composite samples prior to analysis

Page 1 of 1

SAMPLE RECEIPT FORM

156 STARLITE DRIVE
MARIETTA, OH
45750
(740) 373-4071

Date: 11-10-05 Client: CAPE

Shipped By: (✓) Fed-Ex ( ) UPS ( ) DHL ( ) KEMRON ( ) Client ( ) Other

Opened By: JKT 0959

Logged By: BLG Login # L05 11244

IR Temp Gun: (✓) D ( ) F

COOLER INFORMATION

Number	Cooler ID	Temp °C	Airbill#	COC#	Other
1	645	5	792434526476		
2					
3					
4					
5					
6					

Were all coolers sealed?	Y	N	N/A
Were custody seals used on all coolers?	Y	N	N/A
Were custody seals intact?	Y	N	N/A
Was visible ice present?	Y	N	N/A
Were all coolers in the temperature range of 2-6C? (>6C*)	Y	N	N/A
Were the samples frozen?*	Y	N	N/A
Were COC papers provided?	Y	N	N/A
Were all sample containers intact?*	Y	N	N/A
Were all sample labels intact?	Y	N	N/A
Were all sample labels legible?*	Y	N	N/A
Did all sample labels match the COC?*	Y	N	N/A
Was the label information complete?*	Y	N	N/A
Were the correct containers used?*	Y	N	N/A
Were the correct preservatives added to water samples?*	Y	N	N/A
Was the pH tested on preserved water samples?	Y	N	N/A
Were pH ranges acceptable?*	Y	N	N/A
Was sufficient amount of sample provided?*	Y	N	N/A
Were bubbles present in VOA samples?*	Y	N	N/A
Were COC's signed and dated?	Y	N	N/A
Did samples arrive before hold time expired?*	Y	N	N/A
Are discrepancy forms attached?	Y	N	N/A

**Requires a discrepancy form*

Comments:

CRF #1
Revised 8/22/03

LABORATORY REPORT

L0511244

11/28/05 16:37

Submitted By

KEMRON Environmental Services
156 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Cana Environmental
2302 Parklake Drive
Suite 200
Atlanta, GA 30345
Attention: Christelle Newsome

Account Number: 2828
Work ID: CORNELL

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
WC-SO-01	L0511244-01	09-NOV-05	10-NOV-05
WC-SO-01	L0511244-02	09-NOV-05	10-NOV-05

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0511244

Report Date : November 28, 2005

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG200655
Collect Date: 11/09/2005 15:00

Prep Method: 1010
Analytical Method: 1010
Analyst: DIH
Dilution: 1
Units: Degrees C

Instrument: PRECISION
Prep Date: 11/14/2005 08:15
Cal Date:
Run Date: 11/14/2005 08:15
File ID: FR051114123384907

Analyte	CAS. Number	Result	Qual	RL	MDL
Ignitability		65.0	>		

> Result is greater than the associated numerical value.

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Leachate
Workgroup Number: WG200532
Collect Date: 11/09/2005 15:00
Sample Tag: 01

PrePrep Method: 1311
Analytical Method: 6010B
Analyst: KHR
Dilution: 1
Units: mg/L

Instrument: PE-ICP2
Prep Date: 11/11/2005 07:45
Cal Date: 11/11/2005 09:41
Run Date: 11/11/2005 10:53
File ID: P2.111105.105340

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Silver, TCLP	7440-22-4		U	.1	.05	D011	5
Arsenic, TCLP	7440-38-2		U	1	.1	D004	5
Barium, TCLP	7440-39-3	0.317	J	5	.025	D005	100
Cadmium, TCLP	7440-43-9		U	.1	.025	D006	1
Chromium, TCLP	7440-47-3		U	.2	.025	D007	5
Copper, TCLP	7440-50-8		U	.2	.05		
Nickel, TCLP	7440-02-0		U	.4	.05		
Lead, TCLP	7439-92-1	0.154	J	1	.1	D008	5
Selenium, TCLP	7782-49-2		U	.8	.5	D010	1
Zinc, TCLP	7440-66-6	0.439		.2	.05		

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Leachate
Workgroup Number: WG200545
Collect Date: 11/09/2005 15:00
Sample Tag: 01

PrePrep Method: 1311
Analytical Method: 7470A
Analyst: CRC
Dilution: 1
Units: mg/L

Instrument: HYDRA
Prep Date: 11/11/2005 07:30
Cal Date: 11/11/2005 11:27
Run Date: 11/11/2005 12:24
File ID: HY.111105.122414

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Mercury, TCLP	7439-97-6		U	.005	.001	D009	0.2

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0511244

Report Date : November 28, 2005

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Leachate
Workgroup Number: WG200547
Collect Date: 11/09/2005 15:00
Sample Tag: 01

PrePrep Method: 1311
Prep Method: 3510C
Analytical Method: 8081A
Analyst: ECL
Dilution: 1
Units: ug/L

Instrument: HP15
Prep Date: 11/11/2005 08:00
Cal Date: 10/28/2005 18:09
Run Date: 11/11/2005 14:02
File ID: 15G3734.F

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Endrin	72-20-8		U	.5	.1	D012	20
Lindane	58-89-9		U	.5	.1	D013	400
Methoxychlor	72-43-5		U	.5	.1	D014	10000
Toxaphene	8001-35-2		U	10	3	D015	500
Chlordane	57-74-9		U	10	3	D020	30
Heptachlor	76-44-8		U	.5	.1	D031	8
Heptachlor Epoxide	1024-57-3		U	.5	.1	D031	8

Surrogate	% Recovery	Lower	Upper
2,4,5,6-Tetrachloro-m-xylene	56.8	33	138
Decachlorobiphenyl	94.5	32	135

U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG200454
Collect Date: 11/09/2005 15:00
Sample Tag: 01

Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 1
Units: ug/kg
Percent Solid: 84.8

Instrument: HP4
Prep Date: 11/10/2005 11:30
Cal Date: 10/14/2005 14:26
Run Date: 11/10/2005 15:38
File ID: 4GF27001

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	19.1	9.55
Aroclor-1221	11104-28-2		U	19.1	9.55
Aroclor-1232	11141-16-5		U	19.1	9.55
Aroclor-1242	53469-21-9		U	19.1	9.55
Aroclor-1248	12672-29-6		U	19.1	9.55
Aroclor-1254	11097-69-1		U	19.1	9.55
Aroclor-1260	11096-82-5	3550	I	19.1	9.55

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	81.1	29	133	
Decachlorobiphenyl	1370	30	173	SMI

I Semiquantitative result (out of instrument calibration range)
SMI Sample matrix interference on surrogate
U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG200454
Collect Date: 11/09/2005 15:00
Sample Tag: DL01

Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 20
Units: ug/kg
Percent Solid: 84.8

Instrument: HP4
Prep Date: 11/10/2005 11:30
Cal Date: 10/14/2005 14:26
Run Date: 11/11/2005 11:49
File ID: 4GF27013

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	382	191
Aroclor-1221	11104-28-2		U	382	191
Aroclor-1232	11141-16-5		U	382	191
Aroclor-1242	53469-21-9		U	382	191
Aroclor-1248	12672-29-6		U	382	191
Aroclor-1254	11097-69-1		U	382	191
Aroclor-1260	11096-82-5	4050		382	191

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0511244
Report Date : November 28, 2005

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG200454
Collect Date: 11/09/2005 15:00
Sample Tag: DL01

Prep Method: 3550B
Analytical Method: 8082
Analyst: ECL
Dilution: 20
Units: ug/kg
Percent Solid: 84.8

Instrument: HP4
Prep Date: 11/10/2005 11:30
Cal Date: 10/14/2005 16:26
Run Date: 11/11/2005 11:49
File ID: 4GF27013

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene		29	133	DL
Decachlorobiphenyl		30	173	DL

DL Surrogate or spike compound was diluted out
U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Leachate
Workgroup Number: WG200612
Collect Date: 11/09/2005 15:00
Sample Tag: 01

PrePrep Method: 1311
Prep Method: METHOD
Analytical Method: 8151A
Analyst: ECL
Dilution: 1
Units: ug/L

Instrument: HP15
Prep Date: 11/11/2005 11:00
Cal Date: 11/10/2005 16:40
Run Date: 11/12/2005 19:10
File ID: 1503747.F

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
2,4-D	94-75-7		U	20	10	D016	10000
2,4,5-TP (Silvex)	93-72-1		U	2	1	D017	1000

Surrogate	% Recovery	Lower	Upper
2,4-Dichlorophenylacetic acid	18.8	20	144

* Surrogate or spike compound out of range
U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Leachate
Workgroup Number: WG200791
Collect Date: 11/09/2005 15:00
Sample Tag: RE01

PrePrep Method: 1311
Prep Method: METHOD
Analytical Method: 8151A
Analyst: ECL
Dilution: 1
Units: ug/L

Instrument: HP15
Prep Date: 11/15/2005 08:15
Cal Date:
Run Date: 11/16/2005 09:54
File ID: 1503766.R

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
2,4-D	94-75-7		U	20	10	D016	10000
2,4,5-TP (Silvex)	93-72-1		U	2	1	D017	1000

Surrogate	% Recovery	Lower	Upper
2,4-Dichlorophenylacetic acid	28.4	20	144

U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Leachate
Workgroup Number: WG200791
Collect Date: 11/09/2005 15:00
Sample Tag: C102

PrePrep Method: 1311
Prep Method: METHOD
Analytical Method: 8151A
Analyst: ECL
Dilution: 1
Units: ug/L

Instrument: HP15
Prep Date: 11/15/2005 08:15
Cal Date:
Run Date: 11/16/2005 09:28
File ID: 1503766.F

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
2,4-D	94-75-7		U	20	10	D016	10000
2,4,5-TP (Silvex)	93-72-1		U	2	1	D017	1000

Surrogate	% Recovery	Lower	Upper
2,4-Dichlorophenylacetic acid	27.1	20	144

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0511244

Report Date : November 28, 2005

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Leachate
Workgroup Number: WG200518
Collect Date: 11/09/2005 15:00
Sample Tag: DL01

PrePrep Method: 1311
Prep Method: 5030B
Analytical Method: 8260B
Analyst: MES
Dilution: 10
Units: ug/L

Instrument: HPMS10
Prep Date: 11/11/2005 13:42
Cal Date: 10/31/2005 18:20
Run Date: 11/11/2005 13:42
File ID: 10M41966

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Benzene	71-43-2		U	50	1.25	D018	500
Carbon tetrachloride	56-23-5		U	50	2.5	D019	500
Chlorobenzene	108-90-7		U	50	1.25	D021	100000
Chloroform	67-66-3		U	50	1.25	D022	6000
1,2-Dichloroethane	107-06-2		U	50	2.5	D028	500
1,1-Dichloroethene	75-35-4		U	50	5	D029	700
Methyl Ethyl Ketone	78-93-3		U	1000	25	D035	200000
Tetrachloroethene	127-18-4		U	50	2.5	D039	700
Trichloroethene	79-01-6		U	50	2.5	D040	500
Vinyl chloride	75-01-4	4.01	J	100	2.5	D043	200

Surrogate	% Recovery	Lower	Upper
Dibromofluoromethane	90.9	86	118
1,2-Dichloroethane-d4	92.9	80	120
Toluene-d8	94.9	88	110
4-Bromofluorobenzene	97.1	86	115

J The analyte was positively identified, but the quantitation was below the RL
U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Leachate
Workgroup Number: WG200616
Collect Date: 11/09/2005 15:00
Sample Tag: 01

PrePrep Method: 1311
Prep Method: 3510C
Analytical Method: 8270C
Analyst: ALT
Dilution: 1
Units: ug/L

Instrument: HPMS12
Prep Date: 11/11/2005 08:00
Cal Date: 11/10/2005 15:48
Run Date: 11/11/2005 19:20
File ID: 12M10462

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
o-Cresol	95-48-7		U	50	25	D023	200000
m-,p-Cresol	106-44-5		U	50	25	D025	200000
1,4-Dichlorobenzene	106-46-7		U	50	25	D027	7500
2,4-Dinitrotoluene	121-14-2		U	50	25	D030	130
Hexachlorobenzene	118-74-1		U	50	25	D032	130
Hexachlorobutadiene	87-68-3		U	50	25	D033	500
Hexachloroethane	67-72-1		U	50	25	D034	3000
Nitrobenzene	98-95-3		U	50	25	D036	2000
Pentachlorophenol	87-86-5		U	250	25	D037	100000
Pyridine	110-86-1		U	500	250	D038	5000
2,4,5-Trichlorophenol	95-95-4		U	250	25	D041	400000
2,4,6-Trichlorophenol	88-06-2		U	50	25	D042	2000

Surrogate	% Recovery	Lower	Upper
2-Fluorophenol	31.6	21	100
Phenol-d5	21.6	10	94
Nitrobenzene-d5	60.8	35	114
2-Fluorobiphenyl	56.3	43	116
2,4,6-Tribromophenol	71.4	10	123
p-Terphenyl-d14	102	33	141

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0511244
Report Date : November 28, 2005

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG200605
Collect Date: 11/09/2005 15:00

Prep Method: SW-846
Analytical Method: SW-846
Analyst: DLP
Dilution: 1
Units: mg/kg

Instrument: UV-120-1V
Prep Date: 11/11/2005 10:00
Cal Date:
Run Date: 11/11/2005 10:00
File ID: U205111409344302

Analyte	CAS. Number	Result	Qual	RL	MDL
Reactivity, Cyanide			U	10.0	5.00

U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG200604
Collect Date: 11/09/2005 15:00

Prep Method: SW-846
Analytical Method: SW-846
Analyst: DLP
Dilution: 1
Units: mg/kg

Instrument: BURET
Prep Date: 11/11/2005 10:00
Cal Date:
Run Date: 11/11/2005 10:00
File ID: BU05111409351102

Analyte	CAS. Number	Result	Qual	RL	MDL
Reactivity, Sulfide	18496-25-8		U	100	50.0

U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG200495
Collect Date: 11/09/2005 15:00

Prep Method: 9045C
Analytical Method: 9045C
Analyst: DLP
Dilution: 1
Units: UNITS

Instrument: ORION-710A
Prep Date: 11/10/2005 16:45
Cal Date:
Run Date: 11/10/2005 16:45
File ID: OR05111409302606

Analyte	CAS. Number	Result	Qual	RL	MDL
Corrosivity pH		8.42			

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG200635
Collect Date: 11/09/2005 15:00

Prep Method: 9095
Analytical Method: 9095
Analyst: TMM
Dilution: 1
Units:

Instrument: FILTER
Prep Date: 11/14/2005 09:20
Cal Date:
Run Date: 11/14/2005 09:20
File ID: ER05111412400401

Analyte	CAS. Number	Result	Qual	RL	MDL
Paint Filter Liquid Test			NFL		

NFL No free liquid

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0511244

Report Date : November 28, 2005

Sample Number: L0511244-01
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG200593
Collect Date: 11/09/2005 15:00

Prep Method: D2216-90
Analytical Method: D2216-90
Analyst: TMM
Dilution: 1
Units: weight %

Instrument: OVEN
Prep Date: 11/11/2005 15:55
Cal Date:
Run Date: 11/11/2005 15:55
File ID:

Analyte	CAS. Number	Result	Qual	RL	MDL
Percent Solids	10-02-6	84.8		1.00	1.00

Sample Number: L0511244-02
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG201539
Collect Date: 11/09/2005 15:00

Prep Method: 160.4
Analytical Method: 160.4
Analyst: TMM
Dilution: 1
Units: % wt.

Instrument: MUFFLE
Prep Date: 11/22/2005 12:15
Cal Date:
Run Date: 11/22/2005 12:15
File ID: MU051128153352O1

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Volatile Solids		7.18	J	0.100	0.100

Sample Number: L0511244-02
Client ID: WC-SO-01
Matrix: Water
Workgroup Number: WG201430
Collect Date: 11/09/2005 15:00

Prep Method: 1664A
Analytical Method: 1664A
Analyst: DLP
Dilution: 1
Units: mg/L

Instrument: HORIZON
Prep Date: 11/23/2005 08:15
Cal Date:
Run Date: 11/23/2005 08:15
File ID: ON.0511230815-04

Analyte	CAS. Number	Result	Qual	RL	MDL
n-Hexane Extractable Material (HEM)			U J	5.00	2.50

U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-02
Client ID: WC-SO-01
Matrix: Leachate
Workgroup Number: WG201361
Collect Date: 11/09/2005 15:00
Sample Tag: 01

PrePrep Method: METHOD
Analytical Method: 350.1
Analyst: DIK
Dilution: 1
Units: mg/L

Instrument: SMARTCHEM
Prep Date: 11/23/2005 08:52
Cal Date: 11/23/2005 08:47
Run Date: 11/23/2005 08:52
File ID: SC051123001.012

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HWD	Reg. Limit
Ammonia Nitrogen	7664-41-7		U J	.1	.03		

U Not detected at or above adjusted sample detection limit

KEMRON ENVIRONMENTAL SERVICES

Report Number: L0511244
Report Date : November 28, 2005

Sample Number: L0511244-02
Client ID: WC-SO-01
Matrix: Water
Workgroup Number: WG201449
Collect Date: 11/09/2005 15:00

Prep Method: 410.4 MOD.
Analytical Method: 410.4 MOD.
Analyst: DLP
Dilution: 1
Units: mg/L

Instrument: UV-120-1V
Prep Date: 11/23/2005 10:00
Cal Date:
Run Date: 11/23/2005 10:00
File ID: 1V.0511231000-05

Analyte	CAS. Number	Result	Qual	RL	MDL
Chemical Oxygen Demand		29.7	J	20.0	10.0

Sample Number: L0511244-02
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG201525
Collect Date: 11/09/2005 15:00

Prep Method: METHOD
Analytical Method: 418.1
Analyst: CKB
Dilution: 1
Units: mg/kg
Percent Solid: 83.1

Instrument: FTIR1
Prep Date: 11/28/2005 08:50
Cal Date: 07/22/2005 08:51
Run Date: 11/28/2005 12:40
File ID:

Analyte	CAS. Number	Result	Qual	RL	MDL
Total Petroleum Hydrocarbons			U	30.1	7.08

U Not detected at or above adjusted sample detection limit

Sample Number: L0511244-02
Client ID: WC-SO-01
Matrix: Soil
Workgroup Number: WG201325
Collect Date: 11/09/2005 15:00

Prep Method: D2216-90
Analytical Method: D2216-90
Analyst: TMM
Dilution: 1
Units: weight %

Instrument: OVEN
Prep Date: 11/23/2005 12:15
Cal Date:
Run Date: 11/23/2005 12:15
File ID:

Analyte	CAS. Number	Result	Qual	RL	MDL
Percent Solids	10-02-6	83.1		1.00	1.00

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: 10M41958
Date Analyzed: 11/11/05
Time Analyzed: 09:33
Analyst: MEH

Work Group: WG200518
Blank Sample ID: WG200518-01
Instrument ID: HPMS10
Method: 8260B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG200518-02	10M41959	11/11/05 10:04	01
LCS2	WG200518-03	10M41960	11/11/05 10:36	01
FBLK	WG200518-04	10M41961	11/11/05 11:07	01
WC-SO-01	L0511244-01	10M41966	11/11/05 13:42	DL01
BLANK2	WG200518-05	10M41980	11/11/05 21:03	01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/11/2005 Sample ID: MG200518-01
Instrument ID: HPMS10 Run Time: 09:33 Prep Method: 5030B
File ID: 10M4195S Analyst: MES Method: 8260B
Workgroup (AAB#): MG200518 Matrix: Leachate Units: ug/L
Contract #: Cal ID: HPMS10-31-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Benzene	0.125	5.00	0.125	1	U
Carbon tetrachloride	0.250	5.00	0.250	1	U
Chlorobenzene	0.125	5.00	0.125	1	U
Chloroform	0.125	5.00	0.125	1	U
1,2-Dichloroethane	0.250	5.00	0.250	1	U
1,1-Dichloroethane	0.500	5.00	0.500	1	U
Methyl Ethyl Ketone	2.50	100	2.50	1	U
Tetrachloroethene	0.250	5.00	0.250	1	U
Trichloroethene	0.250	5.00	0.250	1	U
Vinyl chloride	0.250	10.0	0.250	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	90.1	86 - 118	PASS
1,2-Dichloroethane-d4	91.5	80 - 120	PASS
Toluene-d8	95.3	88 - 110	PASS
4-Bromofluorobenzene	98.7	86 - 115	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

XENRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0511244 Run Date: 11/11/2005 Sample ID: WG200518-02
Instrument ID: HPMS10 Run Time: 10:04 Prep Method: 5030B
File ID: 10M41959 Analyst: MES Method: 8260B
Workgroup (AAB#): WG200518 Matrix: Leachate Units: ug/L
Contract #: Cal ID: HPMS10-31-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Benzene	20.0	21.9	109	80 - 123	
Carbon tetrachloride	20.0	23.4	117	80 - 140	
Chlorobenzene	20.0	22.3	111	80 - 120	
Chloroform	20.0	22.2	111	80 - 125	
1,2-Dichloroethane	20.0	23.2	116	81 - 136	
1,1-Dichloroethene	20.0	22.0	110	80 - 138	
Methyl Ethyl Ketone	20.0	19.2	96.0	53 - 146	
Tetrachloroethene	20.0	23.7	119	80 - 126	
Trichloroethene	20.0	22.2	111	80 - 125	
Vinyl chloride	20.0	22.8	114	61 - 164	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	92.5	86 - 118	PASS
1,2-Dichloroethane-d4	93.3	80 - 120	PASS
Toluene-d8	95.6	88 - 110	PASS
4-Bromofluorobenzene	97.6	86 - 115	PASS

* FAILS %REC LIMIT

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0511244 Analyst: MES Prep Method: 5030B

Instrument ID: HPMS10 Matrix: Leachate Method: 8260B

Workgroup (AAB#): WG200518 Units: ug/L

Sample ID: WG200518-02 LCS File ID: 10M41959 Run Date: 11/11/2005 10:04

Sample ID: WG200518-03 LCS2 File ID: 10M41960 Run Date: 11/11/2005 10:36

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Benzene	20.0	21.9	109	20.0	21.1	105	3.71	80 - 123	24	
Carbon tetrachloride	20.0	23.4	117	20.0	22.1	111	5.50	80 - 140	34	
Chlorobenzene	20.0	22.3	111	20.0	21.6	108	2.96	80 - 120	21	
Chloroform	20.0	22.2	111	20.0	21.4	107	4.04	80 - 125	22	
1,2-Dichloroethane	20.0	23.2	116	20.0	22.3	112	4.01	81 - 136	34	
1,1-Dichloroethene	20.0	22.0	110	20.0	20.9	105	4.88	80 - 138	34	
Methyl Ethyl Ketone	20.0	19.2	96.0	20.0	19.4	96.8	0.913	53 - 146	57	
Tetrachloroethene	20.0	23.7	119	20.0	22.1	110	7.27	80 - 126	27	
Trichloroethene	20.0	22.2	111	20.0	21.8	109	1.76	80 - 125	22	
Vinyl chloride	20.0	22.8	114	20.0	21.5	108	5.82	61 - 164	63	

Surrogates	LCS % Recovery	LCS2 % Recovery	Surrogate Limits	Qualifier
Dibromofluoromethane	92.5	92.5	86 - 118	PASS
1,2-Dichloroethane-d4	93.3	93.4	80 - 120	PASS
Toluene-d8	95.6	94.5	88 - 110	PASS
4-Bromofluorobenzene	97.6	96.0	86 - 115	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: 12M10455
Date Analyzed: 11/11/05
Time Analyzed: 15:21
Analyst: ALT

Work Group: WG200616
Blank Sample ID: WG200508-01
Instrument ID: HPMS12
Method: 8270C

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG200508-02	12M10456	11/11/05 15:55	01
LCS2	WG200508-03	12M10457	11/11/05 16:29	01
WC-SO-01	L0511244-01	12M10462	11/11/05 19:20	01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/11/2005 Sample ID: MG200508-01
Instrument ID: HPMS12 Run Time: 15:21 Prep Method: 3510C
File ID: 12M10455 Analyst: ALT Method: 8270C
Workgroup (AAB#): MG200616 Matrix: Leachate Units: ug/L
Contract #: Cal ID: HPMS12-10-NOV-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
o-Cresol	2.50	5.00	2.50	1	U
m-,p-Cresol	2.50	5.00	2.50	1	U
1,4-Dichlorobenzene	2.50	5.00	2.50	1	U
2,4-Dinitrotoluene	2.50	5.00	2.50	1	U
Hexachlorobenzene	2.50	5.00	2.50	1	U
Hexachlorobutadiene	2.50	5.00	2.50	1	U
Hexachloroethane	2.50	5.00	2.50	1	U
Nitrobenzene	2.50	5.00	2.50	1	U
Pentachlorophenol	2.50	25.0	2.50	1	U
Pyridine	25.0	50.0	25.0	1	U
2,4,5-Trichlorophenol	2.50	25.0	2.50	1	U
2,4,6-Trichlorophenol	2.50	5.00	2.50	1	U

Surrogates	% Recovery	Surrogate Limits			Qualifier
2-Fluorophenol	28.8	21	-	100	PASS
Phenol-d5	19.4	10	-	94	PASS
Nitrobenzene-d5	61.4	35	-	114	PASS
2-Fluorobiphenyl	59.3	43	-	116	PASS
2,4,6-Tribromophenol	67.1	10	-	123	PASS
p-Terphenyl-d14	106	33	-	141	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 354358
Report generated 11/14/2005 15:07

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0511244 Run Date: 11/11/2005 Sample ID: WG200508-02
Instrument ID: HPMS12 Run Time: 15:55 Prep Method: 3510C
File ID: 12M10456 Analyst: ALT Method: 8270C
Workgroup (AAB#): WG200616 Matrix: Leachate Units: ug/L
Contract #: Cal ID: HPMS12-10-NOV-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
o-Cresol	50.0	36.6	73.2	34 - 120	
m-,p-Cresol	50.0	33.4	66.9	25 - 120	
1,4-Dichlorobenzene	50.0	37.2	74.4	33 - 120	
2,4-Dinitrotoluene	50.0	65.1	130	45 - 140	
Hexachlorobenzene	50.0	58.7	117	50 - 130	
Hexachlorobutadiene	50.0	35.9	71.8	30 - 120	
Hexachloroethane	50.0	37.4	74.9	40 - 107	
Nitrobenzene	50.0	35.3	70.5	42 - 106	
Pentachlorophenol	50.0	58.4	117	50 - 149	
Pyridine	50.0	9.11	18.2	10 - 120	
2,4,5-Trichlorophenol	50.0	52.1	104	48 - 132	
2,4,6-Trichlorophenol	50.0	47.6	95.2	50 - 135	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2-Fluorophenol	40.7	21 - 100	PASS
Phenol-d5	28.4	10 - 94	PASS
Nitrobenzene-d5	66.4	35 - 114	PASS
2-Fluorobiphenyl	86.9	43 - 116	PASS
2,4,6-Tribromophenol	111	10 - 123	PASS
p-Terphenyl-d14	96.9	33 - 141	PASS

* FAILS %REC LIMIT

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0511244 Analyst: ALT Prep Method: 3510C
Instrument ID: HPMS12 Matrix: Leachate Method: 8270C
Workgroup (AAB#): WG200616 Units: ug/L
Sample ID: WG200508-02 LCS File ID: 12M10456 Run Date: 11/11/2005 15:55
Sample ID: WG200508-03 LCS2 File ID: 12M10457 Run Date: 11/11/2005 16:29

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
o-Cresol	50.0	36.6	73.2	50.0	36.6	73.2	0.0216	34 - 120	40	
m-,p-Cresol	50.0	33.4	66.9	50.0	33.2	66.5	0.586	25 - 120	35	
1,4-Dichlorobenzene	50.0	37.2	74.4	50.0	36.8	73.5	1.16	33 - 120	63	
2,4-Dinitrotoluene	50.0	65.1	130	50.0	66.2	132	1.68	45 - 140	58	
Hexachlorobenzene	50.0	58.7	117	50.0	57.5	115	2.01	50 - 130	15	
Hexachlorobutadiene	50.0	35.9	71.8	50.0	35.2	70.4	1.90	30 - 120	63	
Hexachloroethane	50.0	37.4	74.9	50.0	35.4	70.8	5.57	40 - 107	60	
Nitrobenzene	50.0	35.3	70.5	50.0	35.5	71.0	0.624	42 - 106	53	
Pentachlorophenol	50.0	58.4	117	50.0	59.6	119	2.06	50 - 149	22	
Pyridine	50.0	9.11	18.2	50.0	5.64	11.3	47.1	10 - 120	49	
2,4,5-Trichlorophenol	50.0	52.1	104	50.0	49.9	99.8	4.22	48 - 132	13	
2,4,6-Trichlorophenol	50.0	47.6	95.2	50.0	46.8	93.5	1.75	50 - 135	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2-Fluorophenol	40.7	40.0	21 - 100	PASS
Phenol-d5	28.4	28.8	10 - 94	PASS
Nitrobenzene-d5	66.4	66.3	35 - 114	PASS
2-Fluorobiphenyl	86.9	85.8	43 - 116	PASS
2,4,6-Tribromophenol	111	106	10 - 123	PASS
p-Terphenyl-d14	96.9	180	33 - 141	FAIL

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: 15G3730.F
Date Analyzed: 11/11/05
Time Analyzed: 12:11
Analyst: ECL

Work Group: WG200547
Blank Sample ID: WG200505-01
Instrument ID: HP15
Method: 8081A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG200505-02	15G3731.F	11/11/05 12:38	01
LCS2	WG200505-03	15G3732.F	11/11/05 13:06	01
WC-SO-01	L0511244-01	15G3734.F	11/11/05 14:02	01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/11/2005 Sample ID: MG200505-01
Instrument ID: HP15 Run Time: 12:11 Prep Method: 3510C
File ID: 15G3730.F Analyst: ECL Method: 8081A
Workgroup (AAB#): MG200547 Matrix: Leachate Units: ug/L
Contract #: Cal ID: HP15-28-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Endrin	0.100	0.500	0.100	1	U
Lindane	0.100	0.500	0.100	1	U
Methoxychlor	0.100	0.500	0.100	1	U
Toxaphene	3.00	10.0	3.00	1	U
Chlordane	3.00	10.0	3.00	1	U
Heptachlor	0.100	0.500	0.100	1	U
Heptachlor Epoxide	0.100	0.500	0.100	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	43.5	33 - 138	PASS
Decachlorobiphenyl	101	32 - 135	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0511244 Run Date: 11/11/2005 Sample ID: MG200505-02
Instrument ID: HP15 Run Time: 12:38 Prep Method: 3510C
File ID: 15G3731.F Analyst: ECL Method: 8081A
Workgroup (AAB#): MG200547 Matrix: Leachate Units: ug/L
Contract #: Cal ID: HP15-28-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Endrin	5.00	5.59	112	56 - 134	
Lindane	5.00	4.56	91.2	30 - 145	
Methoxychlor	5.00	5.03	101	56 - 150	
Heptachlor	5.00	4.25	85.0	51 - 128	
Heptachlor Epoxide	5.00	4.96	99.2	62 - 131	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	50.1	33 - 138	PASS
Decachlorobiphenyl	99.9	32 - 135	PASS

* FAILS %REC LIMIT

KEMRON FORMS - Modified 11/02/2005
Version 1.5 PMF File ID: 354568
Report generated 11/14/2005 11:30

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0511244 Analyst: ECL Prep Method: 3510C
Instrument ID: HP15 Matrix: Leachate Method: 8081A
Workgroup (AAB#): WG200547 Units: ug/L
Sample ID: WG200505-02 LCS File ID: 15G3731.F Run Date: 11/11/2005 12:38
Sample ID: WG200505-03 LCS2 File ID: 15G3732.F Run Date: 11/11/2005 13:06

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Endrin	5.00	5.59	112	5.00	5.79	116	3.57	56 - 134	40	
Lindane	5.00	4.56	91.2	5.00	4.60	91.9	0.787	30 - 146	11	
Methoxychlor	5.00	5.03	101	5.00	5.22	104	3.75	56 - 150	10	
Heptachlor	5.00	4.25	85.0	5.00	4.35	87.0	2.37	51 - 128	10	
Heptachlor Epoxide	5.00	4.96	99.2	5.00	5.08	102	2.39	62 - 131	22	

Surogates	LCS % Recovery	LCS2 % Recovery	Surrogate Limits	Qualifier
Decachlorobiphenyl	99.9	102	32 - 135	PASS
2,4,5,6-Tetrachloro-m-xylene	50.1	54.2	33 - 138	PASS

* FAILS %REC LIMIT

FAILS RPD LIMIT

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: 4GF26998
Date Analyzed: 11/10/05
Time Analyzed: 14:41
Analyst: ECL

Work Group: WG200454
Blank Sample ID: WG200444-01
Instrument ID: HP4
Method: 8082

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG200444-02	4GF26999	11/10/05 15:00	01
LCS2	WG200444-03	4GF27000	11/10/05 15:19	01
WC-SO-01	L0511244-01	4GF27001	11/10/05 15:38	01
WC-SO-01	L0511244-01	4GF27013	11/11/05 11:49	DL01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/10/2005 Sample ID: WG200444-01
Instrument ID: HP4 Run Time: 14:41 Prep Method: 3550B
File ID: 4GF26998 Analyst: ECL Method: 8082
Workgroup (AAB#): WG200454 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP4-14-OCT-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Aroclor-1016	8.25	16.5	8.25	1	U
Aroclor-1221	8.25	16.5	8.25	1	U
Aroclor-1232	8.25	16.5	8.25	1	U
Aroclor-1242	8.25	16.5	8.25	1	U
Aroclor-1248	8.25	16.5	8.25	1	U
Aroclor-1254	8.25	16.5	8.25	1	U
Aroclor-1260	8.25	16.5	8.25	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-M-Xylene	49.6	29 - 133	PASS
Decachlorobiphenyl	69.1	30 - 173	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0511244 Run Date: 11/10/2005 Sample ID: MG200444-02
Instrument ID: HP4 Run Time: 15:00 Prep Method: 3550B
File ID: 4GF26999 Analyst: ECL Method: 8082
Workgroup (AAB#): MG200454 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP4-14-OCT-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aroclor-1016	83.3	88.1	106	64 - 136	
Aroclor-1260	83.3	83.1	99.7	63 - 137	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-M-Xylene	81.0	29 - 133	PASS
Decachlorobiphenyl	104	30 - 173	PASS

* FAILS %REC LIMIT

KEMRON FORMS - Modified 11/02/2005
Version 1.5 PDF File ID: 354571
Report generated 11/14/2005 11:30

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0511244 Analyst: ECL Prep Method: 3550B
Instrument ID: HP4 Matrix: Soil Method: 8082
Workgroup (AAB#): MG200454 Units: ug/kg
Sample ID: MG200444-02 LCS File ID: 4GF26999 Run Date: 11/10/2005 15:00
Sample ID: MG200444-03 LCS2 File ID: 4GF27000 Run Date: 11/10/2005 15:19

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Aroclor-1016	83.3	88.1	106	83.3	79.7	95.6	10.1	64 - 136	40	
Aroclor-1260	83.3	83.1	99.7	83.3	74.7	89.6	10.7	63 - 137	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4,5,6-Tetrachloro-M-Xylene	81.0	73.5	29 - 133	PASS
Decachlorobiphenyl	104	101	30 - 173	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PHF File ID: 358035
Report generated 11/17/2005 11:47

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: 15G3744.F
Date Analyzed: 11/12/05
Time Analyzed: 17:50
Analyst: ECL

Work Group: WG200612
Blank Sample ID: WG200549-01
Instrument ID: HP15
Method: 8151A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG200549-02	15G3745.F	11/12/05 18:16	01
LCS2	WG200549-03	15G3746.F	11/12/05 18:43	01
WC-SO-01	L0511244-01	15G3747.F	11/12/05 19:10	01

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: 15G3840.R
Date Analyzed: 11/18/05
Time Analyzed: 16:43
Analyst: ECL

Work Group: WG200791
Blank Sample ID: WG200698-01
Instrument ID: HP15
Method: 8151A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
WC-SO-01	L0511244-01	15G3766.R	11/16/05 09:54	RE01
LCS	WG200698-02	15G3841.R	11/18/05 17:09	01
LCS2	WG200698-03	15G3842.R	11/18/05 17:36	01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/12/2005 Sample ID: MG200549-01
Instrument ID: HP15 Run Time: 17:50 Prep Method: METHOD
File ID: 15G3744.F Analyst: ECL Method: 8151A
Workgroup (AAB#): MG200612 Matrix: Leachate Units: ug/L
Contract #: Cal ID: HP15-10-NOV-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
2,4-D	10.0	20.0	10.0	1	U
2,4,5-TP (Silvex)	1.00	2.00	1.00	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4-Dichlorophenylacetic acid	23.2	20 - 144	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 354573
Report generated 11/21/2005 11:20

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/18/2005 Sample ID: MG200698-01
Instrument ID: HP15 Run Time: 16:43 Prep Method: METHOD
File ID: 15G3840.R Analyst: ECL Method: 8151A
Workgroup (AAB#): WG200791 Matrix: Leachate Units: ug/L
Contract #: Cal ID: HP15-18-NOV-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
2,4-D	1.00	2.00	1.00	1	U
2,4,5-TP (Silvex)	0.100	0.200	0.100	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4-Dichlorophenylacetic acid	58.9	20 - 144	PASS

MDL Method Detection Limit
RL Reporting/quantitation Limit
* Analyte concentration > RL
ND Analyte Not detected at or above reporting limit

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0511244 Run Date: 11/12/2005 Sample ID: WG200549-02

Instrument ID: HP15 Run Time: 18:16 Prep Method: METHOD

File ID: 15G3745.F Analyst: ECL Method: 8151A

Workgroup (AAB#): WG200612 Matrix: Leachate Units: ug/L

Contract #: Cal ID: HP15-10-NOV-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
2,4-D	50.0	8.90	17.8	29 - 133	*
2,4,5-TP (Silvex)	5.00	0.827	16.5	38 - 130	*

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4-Dichlorophenylacetic acid	20.5	20 - 144	PASS

* FAILS %REC LIMIT

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0511244 Analyst: ECL Prep Method: METHOD

Instrument ID: HP15 Matrix: Leachate Method: 8151A

Workgroup (AAB#): MG200612 Units: ug/L

Sample ID: MG200549-02 LCS File ID: 15G3745.F Run Date: 11/12/2005 18:16

Sample ID: MG200549-03 LCS2 File ID: 15G3746.F Run Date: 11/12/2005 18:43

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
2,4-D	50.0	8.90	17.8	50.0	16.9	33.8	62.1	29 - 133	51	*
2,4,5-TP (Silvex)	5.00	0.827	16.5	5.00	1.72	34.4	70.1	30 - 130	46	*

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4-Dichlorophenylacetic acid	20.5	38.1	20 - 144	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 356940
Report generated 11/21/2005 11:20

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number:L0511244 Analyst:ECL Prep Method:METHOD

Instrument ID:HP15 Matrix:Leachate Method:8151A

Workgroup (AAB#):WG200791 Units:ug/L

Sample ID:WG200698-02 LCS File ID:15G3841.R Run Date:11/18/2005 17:09

Sample ID:WG200698-03 LCS2 File ID:15G3842.R Run Date:11/18/2005 17:36

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
2,4-D	5.00	2.29	45.8	5.00	1.78	35.5	25.1	29 - 133	51	
2,4,5-TP (Silvex)	0.500	0.244	48.8	0.500	0.184	36.8	27.9	38 - 130	44	*

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4-Dichlorophenylacetic acid	55.1	45.9	20 - 144	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 355940
Report generated 11/21/2005 11:20

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: P2.111105.103425
Date Analyzed: 11/11/05
Time Analyzed: 10:34
Analyst: KHR

Work Group: WG200532
Blank Sample ID: WG200525-03
Instrument ID: PE-ICP2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG200525-04	P2.111105.104045	11/11/05 10:40	01
WC-SO-01	L0511244-01	P2.111105.105340	11/11/05 10:53	01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/11/2005 Sample ID: WG200525-03
Instrument ID: PE-ICP2 Run Time: 10:34 Prep Method: 3015
File ID: P2.111105.103425 Analyst: KHR Method: 6010B
Workgroup (AAB#): WG200532 Matrix: Leachate Units: mg/L
Contract #: Cal ID: PE-ICP-11-NOV-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Silver, TCLP	0.0500	0.100	0.0500	1	U
Arsenic, TCLP	0.100	1.00	0.100	1	U
Barium, TCLP	0.0250	5.00	0.0250	1	U
Cadmium, TCLP	0.0250	0.100	0.0250	1	U
Chromium, TCLP	0.0250	0.200	0.0250	1	U
Copper, TCLP	0.0500	0.200	0.0500	1	U
Nickel, TCLP	0.0500	0.400	0.0500	1	U
Lead, TCLP	0.100	1.00	0.100	1	U
Selenium, TCLP	0.500	0.800	0.500	1	U
Zinc, TCLP	0.0500	0.200	0.0500	1	U

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0511244 Run Date: 11/11/2005 Sample ID: WG200525-04
Instrument ID: PE-ICP2 Run Time: 10:40 Prep Method: 3015
File ID: P2.111105.104045 Analyst: KHR Method: 6010B
Workgroup (AAB#): WG200532 Matrix: Leachate Units: mg/L
Contract #: Cal ID: PE-ICP-11-NOV-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Silver, TCLP	0.200	0.209	105	80 - 120	
Arsenic, TCLP	0.200	0.201	101	80 - 120	
Barium, TCLP	0.500	0.532	106	80 - 120	
Cadmium, TCLP	0.0250	0.0248	99.2	80 - 120	
Chromium, TCLP	0.250	0.263	105	80 - 120	
Copper, TCLP	0.250	0.266	107	80 - 120	
Nickel, TCLP	0.250	0.265	106	80 - 120	
Lead, TCLP	0.250	0.257	103	80 - 120	
Selenium, TCLP	0.200	0.196	98.1	80 - 120	
Zinc, TCLP	0.500	0.515	103	80 - 120	

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: HY.111105.113821
Date Analyzed: 11/11/05
Time Analyzed: 11:38
Analyst: CRC

Work Group: WG200545
Blank Sample ID: WG200527-02
Instrument ID: HYDRA
Method: 7470A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG200527-03	HY.111105.114029	11/11/05 11:40	01
DUP	WG200527-08	HY.111105.115007	11/11/05 11:50	01
WC-SO-01	L0511244-01	HY.111105.122414	11/11/05 12:24	01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/11/2005 Sample ID: WG200527-02
Instrument ID: HYDRA Run Time: 11:38 Prep Method: METHOD
File ID: HY.111105.113821 Analyst: CRC Method: 7470A
Workgroup (AAB#): WG200545 Matrix: Leachate Units: mg/L
Contract #: Cal ID: HYDRA-11-NOV-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Mercury, TCLP	0.00100	0.00500	0.00100	1	U

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 353827
Report generated 11/11/2005 12:59

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0511244 Run Date: 11/11/2005 Sample ID: WG200527-03
Instrument ID: HYDRA Run Time: 11:40 Prep Method: METHOD
File ID: HY.111105.114029 Analyst: CRC Method: 7470A
Workgroup (AAB#): WG200545 Matrix: Leachate Units: mg/L
Contract #: Cal ID: HYDRA-11-NOV-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Mercury, TCLP	0.00400	0.00452	113	80 - 120	

KEMRON FORMS - Modified 11/02/2005
Version 1.5 PDF File ID: 353828
Report generated 11/11/2005 12:59

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: SC051123001.009
Date Analyzed: 11/23/05
Time Analyzed: 08:48
Analyst: DIH

Work Group: WG201361
Blank Sample ID: WG201361-01
Instrument ID: SMARTCHEM
Method: 350.1

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG201361-02	SC051123001.010	11/23/05 08:51	01
LCS	WG201361-03	SC051123001.011	11/23/05 08:51	01
WC-SO-01	L0511244-02	SC051123001.012	11/23/05 08:52	01
DUP	WG201361-05	SC051123001.013	11/23/05 08:52	01

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511246 Run Date: 11/23/2005 Sample ID: WG201361-01
Instrument ID: SMARTCHEM Run Time: 08:48 Prep Method: 350.1
File ID: SC051123001.009 Analyst: DIH Method: 350.1
Workgroup (AAB#): WG201361 Matrix: Leachate Units: mg/L
Contract #: Cal ID: SMARTC-23-NOV-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Ammonia Nitrogen	0.0300	0.100	0.0300	1	U

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 363713
Report generated 11/28/2005 14:51

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0511244 Run Date: 11/23/2005 Sample ID: WG201361-03

Instrument ID: SMARTCHEM Run Time: 08:51 Prep Method: 350.1

File ID: SC051123001.011 Analyst: DIH Method: 350.1

Workgroup (AAB#): WG201361 Matrix: Leachate Units: mg/L

Contract #: Cal ID: SMARTC-23-NOV-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Ammonia Nitrogen	1.00	0.971	97.1	70 - 125	

KEMRON FORMS - Modified 11/02/2005
Version 1.5 PDF File ID: 363714
Report generated 11/28/2005 14:51

KEMRON Environmental Services

LABORATORY CONTROL SAMPLE

Login Number: L0511244 Run Date: 11/23/2005 Sample ID: WG201361-02

Instrument ID: SMARTCHEM Run Time: 08:51 Prep Method: 350.1

File ID: SC051123001.010 Analyst: DIH Method: 350.1

Workgroup (AAB#): WG201361 Matrix: Leachate Units: mg/L

Contract #: Cal ID: SMARTC-23-NOV-05

Analytes	Expected	Found	% Rec	LCS Limits	Q
Ammonia Nitrogen	1.00	1.01	101	70 - 125	

KEMRON FORMS - Modified 11/02/2005
Version 1.5 PDF File ID: 363714
Report generated 11/28/2005 14:51

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID:
Date Analyzed: 11/28/05
Time Analyzed: 12:40
Analyst: CKB

Work Group: WG201525
Blank Sample ID: WG201479-01
Instrument ID: FTIR1
Method: 418.1

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG201479-02		11/28/05 12:40	
LCS2	WG201479-03		11/28/05 12:40	
WC-SO-01	L0511244-02		11/28/05 12:40	

KEMRON FORMS - Modified 05/18/2005
Version 1.5 PDF File ID: 364050
Report generated 11/28/2005 14:23

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: 1V.0511231000-02
Date Analyzed: 11/23/05
Time Analyzed: 10:00
Analyst: DLP

Work Group: WG201449
Blank Sample ID: WG201449-02
Instrument ID: UV-120-1V
Method: 410.4 MOD.

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG201449-03	1V.0511231000-03	11/23/05 10:00	
LCS2	WG201449-04	1V.0511231000-04	11/23/05 10:00	
WC-SO-01	L0511244-02	1V.0511231000-05	11/23/05 10:00	
DUP	WG201449-05	1V.0511231000-16	11/23/05 10:00	

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/28/2005 Sample ID: MG201479-01
Instrument ID: FTIR1 Run Time: 12:40 Prep Method: METHOD
File ID: Analyst: CEB Method: 418.1
Workgroup (AAB#): MG201525 Matrix: Soil Units: mg/kg
Contract #: Cal ID: FTIR1-22-JUL-05

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Total Petroleum Hydrocarbons	5.89	25.0	5.89	1	U

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 364051
Report generated 11/28/2005 14:23

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/23/2005 Sample ID: MG201449-02
Instrument ID: UV-120-1V Run Time: 10:00 Prep Method: 410.4 MOD.
File ID: 1V.0511231000-02 Analyst: DLP Method: 410.4 MOD.
Workgroup (AAB#): MG201449 Matrix: Water Units: mg/L
Contract #: Cal ID: UV-120-

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Chemical Oxygen Demand	10.0	20.0	10.0	1	U

KEMRON FORMS - Modified 03/17/2005
Version 1.5 PDF File ID: 363407
Report generated 11/28/2005 14:51

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number: L0511244 Analyst: CER Prep Method: METHOD

Instrument ID: FTIR1 Matrix: Soil Method: 418.1

Workgroup (AAB#): MG201525 Units: mg/kg

Sample ID: MG201479-02 LCS File ID: Run Date: 11/28/2005 12:40

Sample ID: MG201479-03 LCS2 File ID: Run Date: 11/28/2005 12:40

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Total Petroleum Hydrocarbons	250	191	76.4	250	197	78.8	3.09	78 - 117	30	*

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 364052
Report generated 11/28/2005 14:23

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number:L0511244 Analyst:DLP Prep Method:410.4 MOD.
Instrument ID:UV-120-1V Matrix:Water Method:410.4 MOD.
Workgroup (AAB#):WG201449 Units:mg/L
Sample ID:WG201449-03 LCS File ID:1V.0511231000-03 Run Date:11/23/2005 10:00
Sample ID:WG201449-04 LCS2 File ID:1V.0511231000-04 Run Date:11/23/2005 10:00

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Chemical Oxygen Demand	100	101	101	100	104	104	3.60	90 - 110	20	

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID: 363409
Report generated 11/28/2005 14:51

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: ON.0511230815-01
Date Analyzed: 11/23/05
Time Analyzed: 08:15
Analyst: DLP

Work Group: WG201430
Blank Sample ID: WG201430-01
Instrument ID: HORIZON
Method: 1664A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG201430-02	ON.0511230815-02	11/23/05 08:15	
LCS2	WG201430-03	ON.0511230815-03	11/23/05 08:15	
WC-SO-01	L0511244-02	ON.0511230815-04	11/23/05 08:15	

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/23/2005 Sample ID: WG201430-01

Instrument ID: HORIZON Run Time: 08:15 Prep Method: 1664A

File ID: ON.0511230815-01 Analyst: DLP Method: 1664A

Workgroup (AAB#): WG201430 Matrix: Water Units: mg/L

Contract #: Cal ID: HORIZO-

Analytes	MDL	RL	Concentration	Dilution	Qualifier
n-Hexane Extractable Material (HEM)	2.50	5.00	2.50	1	U

KEMRON Environmental Services

LABORATORY CONTROL SAMPLES

Login Number:L0511244 Analyst:DLP Prep Method:1664A
Instrument ID:HORIZON Matrix:Water Method:1664A
Workgroup (AAB#):WG201430 Units:mg/L
Sample ID:WG201430-02 LCS File ID:ON.0511230815-02 Run Date:11/23/2005 08:15
Sample ID:WG201430-03 LCS2 File ID:ON.0511230815-03 Run Date:11/23/2005 08:15

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
n-Hexane Extractable Material (HEM)	40.0	35.2	88.0	40.0	35.5	88.8	0.849	78 - 114	18	

KEMRON FORMS - Modified 01/03/2005
Version 1.5 PDF File ID:363617
Report generated 11/28/2005 14:51

KEMRON Environmental Services
METHOD BLANK SUMMARY

Login Number: L0511244
Blank File ID: ER05111412400403
Date Analyzed: 11/14/05
Time Analyzed: 09:20
Analyst: TMM

Work Group: WG200635
Blank Sample ID: WG200635-02
Instrument ID: FILTER
Method: 9095

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
DUP	WG200635-03	ER05111412400404	11/14/05 09:20	
WC-SO-01	L0511244-01	ER05111412400401	11/14/05 09:20	

KEMRON Environmental Services

METHOD BLANK REPORT

Login Number: L0511244 Run Date: 11/14/2005 Sample ID: WG200635-02
Instrument ID: FILTER Run Time: 09:20 Prep Method: 9095
File ID: ER051114124004 03 Analyst: TMM Method: 9095
Workgroup (AAB#): WG200635 Matrix: Soil Units:
Contract #: Cal ID: FILTER-

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Paint Filter Liquid Test				1	NFL

KEMRON FORMS - Modified 05/17/2005
Version 1.5 PDF File ID: 355623
Report generated 11/15/2005 11:23

Sampling and Analysis Plan

SAMPLING AND ANALYSIS PLAN

PART 1 - FIELD SAMPLING PLAN

REMEDIAL DESIGN
FINAL
OPERABLE UNIT 1
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

Contract Number W912DQ-05-D-0001
Task Order Number 001

Prepared for:

U.S. ARMY CORPS OF ENGINEERS
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CAPE Project Number 50001.001
October 2005

SAMPLING AND ANALYSIS PLAN

PART I - FIELD SAMPLING PLAN

REMEDIAL DESIGN
FINAL
OPERABLE UNIT 1
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

Contract Number W912DQ-05-D-0001
Task Order 001

October 2005

The following Plan has been prepared in response to a Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Record of Decision (ROD) and the signatories below have reviewed and approved the plan for compliance with project requirements.

Michael D Lamon 10/26/05

Approved by: _____
Michael Lamon Date
Cape Environmental
Project Manager

Charles Reed 10/26/05

Approved by: _____
Charles Reed Date
Cape Environmental
CQCSM

Christelle Newsome 10/26/05

Approved by: _____
Christelle Newsome Date
Cape Environmental
Chemical Quality Control Officer

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1 Project Field Sample Summary (and Laboratory Sampling and Analytical Summary)

ATTACHMENTS

1 Chain-of-Custody Form and Instructions, Example Sample Label, Example Custody Seal

Land Surveyor: CAPE will use a professional land surveyor to locate historic sampling locations, demark the property boundaries and document the remedial actions performed at each property.

Analytical Laboratories: Confirmation soil samples, including QA/QC samples, will be analyzed by the EPA Region 2 Division of Environmental Science and Assessment (DESA) laboratory in Edison, New Jersey.

The analytical subcontract laboratory will be responsible for the analysis of samples for disposal profiling, of imported soils to be used as backfill, and from perimeter air monitoring, including QA/QC samples. A subcontract laboratory will be required for these services to meet the quick turnaround time requirements for these samples. In the case of the air samples, the analytical method is offered by specialty laboratories only. The laboratory must be USACE-validated, maintain current National Environmental Laboratory Accreditation Program (NELAP) certification, and maintain current required New Jersey licenses and accreditations. The laboratory, Kemron Laboratory of Marietta, Ohio, has been chosen as the analytical subcontract laboratory.

Air Analyses Laboratory: The analytical subcontract laboratory will be responsible for the analysis, QA/QC and reporting of air samples. The laboratory must be USACE-validated, maintain current NELAP certification, and maintain current required New Jersey licenses and accreditations. Princeton Laboratory has been chosen as the analytical subcontract laboratory.

Data Validation: The data validation subcontractor will be responsible for the review, validation, and qualification of analytical data generated during the field event.

3.2 Project Schedule

The proposed project schedule is summarized in Appendix F of the Work Plan. The schedule shows the start date, duration, and date of completion for planned activities associated with this remedial action.

4.0 FIELD ACTIVITIES AND SAMPLING METHODS

This section provides site-specific guidance for sample collection. Table 1 provides the anticipated number of samples to be collected as well as the analytical methods to be used. The sample quantities are estimated and are subject to change based on field conditions.

Before the collection of samples, all nondisposable sampling equipment will be decontaminated in accordance with Section 4.2 of this FSP and 3.5 of the Work Plan. The laboratory will provide sample containers that are certified clean and treated according to U.S. EPA specifications. Containers will be stored in clean areas to prevent exposure to fuels, solvents, and other contaminants.

Precleaned and certified disposable sampling equipment may be used directly from the sealed package without the need for additional decontamination. Preservation of samples will comply

with prescribed methodology according to the Contract Laboratory Program (CLP), SW-846, and National Institute for Occupational Safety and Health (NIOSH) standard protocols. After sample collection, the sample containers will be immediately sealed and labeled, placed on ice in a cooler, and shipped to the laboratory via overnight delivery to be received at a temperature not to exceed 6 degrees Celsius. Samples for VOC shipments shall contain trip blanks and all sample shipments shall be accompanied by a temperature blank to comply with U.S. EPA requirements.

4.1 Sample Collection

The following subsections provide details of the field activities associated with the removal activities at OU-1, Phase A. This section provides general details of excavation procedures for each site and provides guidance for excavation and additional excavation (if required) to meet remedial goals. Table 1 describes in detail the sampling frequency, approximate samples, sampling method, analytical method being performed and the container size for each of the samples. All samples for the project, due to depth of the sampling, will be taken by disposable sample spoon/trowel, stainless steel spoon/trowel, and/or stainless steel hand auger.

The excavation will be completed with appropriately sized heavy equipment. At a minimum, an excavator will be used during the removal activities. CAPE will excavate soil to the appropriate depth at each site based on excavation limits determined by chemical measurement data that confirms PCB concentrations are below 1.0 ppm, the EPA soil cleanup objective. See design figures in the Work Plan for the four properties where soil excavations/removals will be performed. Please refer to the Work Plan for further information regarding the excavations.

During excavation, good engineering practices and appropriate measures will be implemented to control both contaminant releases and general exposure to workers. Workers engaged in waste removal or handling activities will be required to wear an appropriate level of personal protective equipment (PPE) as described in the SSHP and as determined on site by the SSHO.

To remediate the OU-1, Phase A, properties, 408 Hamilton Boulevard, 507 Hamilton Boulevard, 109 Arlington Avenue, and 321 Spicer Avenue, the left-in-place PCB contamination must be below 1.0 ppm. To determine and confirm the lateral and vertical extents of the PCB impact to each property, historical information was reviewed and a sampling process was developed. Field screening measurements to delineate excavation boundaries (5- x 5-foot grid increments at 1-foot -deep intervals) plus definitive samples splits for confirmation will be performed before excavation.

The field screening, using SDI Enys PCB Immuno-Assay Sampling Kits (hereafter referred to as PCB field test kits), will be conducted as follows once the survey has located the historic boring locations at each property:

- Enclose the historic boring locations with a 5- by 5-foot box painted on the ground surface

- Field screening samples will be collected from each side of the box and from the center (location of the historic boring). Due to the relatively small size of the excavation areas, CAPE's sample design will attempt to identify the historical sampling location to confirm the accuracy of previous sample location survey information. The four samples collected from each of the sides will be considered sidewall samples, while the center one will be considered the excavation bottom sample. The depths of these samples vary depending on the depth of the historic sample. The screening samples will be extended or "stepped out" using the same 5- by 5-foot interval until the limits of the excavation are refined laterally and vertically. CAPE intends to conduct the field screening at one location to completion before sending any samples to the analytical laboratory for confirmation.

- If the results of the field screening test indicate a nondetect (0.5 ppm or less), soil from that location will be sent to an analytical laboratory for confirmation

- If the results of the field screening test indicate a concentration greater than 1 ppm, the 5- by 5-foot grid will expand. The grid will expand at 5-foot intervals until a nondetectable level (0.5 ppm or less) is achieved. The excavation bottom sample will be biased toward the sample location with the highest concentration. This process will continue until all the concentrations are less than 1 ppm and they are confirmed by the analytical laboratory, reported at or below 0.49 ppm reporting limit for PCBs.

Postexcavation field screening samples of the excavation base consisting of five grab samples composited from a 900 square foot area and compositing five grab samples from each sidewall of a 900 square foot excavation will be taken. Confirmation sampling will occur on a 20 percent frequency to field screening samples to confirm left-in-place concentrations. These confirmation samples will be sent to and analyzed at a fixed-base laboratory with results reported at or below 0.49 ppm reporting limit for PCBs.

The following additional sampling will be performed and analyzed as summarized in Table 1:

- **Backfill Sampling:** General backfill and topsoil backfill brought in for offsite backfill sources will be analyzed as summarized in Table 1 and meet the requirements of New Jersey Department of Transportation (NJ DOT) 909.10 and American Society for Testing and Materials (ASTM) D 5268. Sampling will be performed to confirm that the backfill is clean and below regulatory requirements for contaminants. Sample data of clean backfill and topsoil will be compared to criteria indicated in NJDEP Soil Cleanup Criteria (N.J.A.C. 7:26 D). Sample data exceeding the NJDEP Residential Direct Contract Soil Cleanup Criteria shall be unacceptable as topsoil or backfill.

- **Air Sampling:** Samples from perimeter air monitoring, including QA/QC samples, will be sent for analyses to the DOD-approved laboratory

- **Disposal Profiling/Sampling:** Samples of material for disposal profiling will be analyzed as summarized in Table 1 to determine the disposal alternatives of the site's waste.

4.1.1 Sample Collection Procedures and Equipment

All sampling procedures will be logged in the field log book, including sampling techniques employed, sampling equipment used, decontamination procedures employed, and calibration of measuring and test equipment. Appropriate sampling procedures will be followed at all times to ensure that representative soil samples are provided for analysis, and that the act of sampling does not contribute to further contamination or cross-contamination at a site. In the event that it is determined these procedures are not adequate due to site-specific conditions, all deviations/activities will be documented in the field logbook.

Before samples are collected, a new pair of latex or nitrile gloves will be donned by anyone handling the samples. Clean, dedicated sampling equipment, such as new or decontaminated stainless steel bowls and spoons/trowels, or drum thief/dip jar will be used to collect the samples.

4.1.1.1 Soil Sampling Procedures. Soil samples to be analyzed using PCB field test kits will be collected as grab samples.

Excavation confirmation soil samples, will be collected as composite samples from the excavated material.

Dipsosal profile soil samples will be representative of the material for disposal.

For analyses other than volatile organic compounds (VOCs), the sample will be homogenized and transferred into appropriate containers and the lids will be secured tightly. Collection and homogenization will be performed in the following manner:

- Clean and decontaminate soil sampling equipment as described in Section 4.2 below of this FSP
- Put on a new, clean, chemical-resistant pair of disposable gloves
- Obtain appropriate sample containers, disposable sampling spoon/trowel, decontaminated stainless steel spoon/trowel and/or stainless steel hand auger
- Carefully remove the top layer of soil to the desired sample depth interval with a disposable or decontaminated spoon, trowel, or hand auger. Collect sufficient sample using the same stainless steel or disposable spoon or trowel at the sample location (or multiple locations if a composite sample)
- Place an adequate volume of sample for the chosen analytical parameter(s) into an appropriate sample bottle or stainless steel mixing bowl. The preferential order of sample collection is VOCs, headspace screening sample (which can also be used for geotechnical purposes), semivolatile organic compounds (SVOCs),

PCBs/pesticides, herbicides, metals, characteristics (such as reactivity, corrosivity, ignitability, etc.), and physical tests (such as paint filter test, grain size, etc.). If the sample is to be homogenized, the quartering method will be used, as described below. If large clumps of material (i.e., compacted clay), this material will be cut using a decontaminated stainless steel blade or spoon mixed thorough with other soil particles contained in the matrix. If gravel is present in the sample aliquot, the gravel will be removed before homogenization of the soil material. If the sample is composited from several subsamples, a subsample aliquot will immediately be collected from each subsample location for potential VOCs analysis if applicable. A headspace screening sample will also be collected at each subsample location. The VOC sample to be analyzed for the composited area will be selected from the subsample aliquots based on the relatively high subsample headspace screening results. The collection of SVOCs, PCBs/pesticides, herbicides, metals, characteristics, and or physical tests samples will be collected from the homogenized sample.

For analyses other than VOCs, it is important that soil samples be mixed as thoroughly as possible to ensure that the sample is representative. The most common method of mixing is referred to as quartering. The soil in the sample pan is divided into quarters and moved to the edges of the bowl. Each quarter is mixed, then all quarters are mixed into the center of the pan. This procedure is followed several times until the sample is adequately mixed. If round bowls are used for sample mixing, adequate mixing is achieved by stirring the material in a circular fashion and occasionally turning the material over. The sample containers should be filled completely; no head space should remain in the sample containers.

- Visually check to ensure that a Teflon liner is present in the cap (if required). Secure the cap tightly
- Immediately after the sample is collected, label the sample containers per Section 5.4 of this FSP
- If no map of the sampling locations is available before sampling, a simple drawing of the site (not necessarily to scale) will be included in the field log book to provide an illustration of all sampling points
- A chain-of-custody (COC) form will be completed to maintain an accurate record of sample collection, transport, analysis, and disposal. Refer to Section 5.5 for COC labeling procedures
- Decontaminate equipment after each sampling event as described in Section 4.2 of this FSP
- Discard contaminated personal protective clothing (e.g., gloves and Tyveks)
- All samples will be handled and packaged in accordance with the procedures specified in Section 6.0 of this FSP.

Work Plan

WORK PLAN

REMEDIAL DESIGN
FINAL
OPERABLE UNIT 1
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

Contract Number W912DQ-05-D-0001
Task Order Number 001

Prepared for:

U.S. ARMY CORPS OF ENGINEERS
KANSAS CITY DISTRICT
Federal Building 601 E. 12th Street
Kansas City, Missouri 64106-2896

Prepared by:

CAPE
180 Gordon Drive, Suite 102
Exton, Pennsylvania 19341

CAPE Project Number 50001.001
October 2005

WORK PLAN

REMEDIAL DESIGN
FINAL
OPERABLE UNIT 1
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

Contract Number W912DQ-05-D-0001
Task Order Number 001

October 2005

The following Plan has been prepared in response to a Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Record of Decision (ROD) and the signatories below have reviewed and approved the plan for compliance with project requirements.

Michael R Lamon 10/26/05

Approved by: _____ Date
Michael Lamon
Cape Environmental
Project Manager

Charles Reed 10/26/05

Approved by: _____ Date
Charles Reed
Cape Environmental
CQCSM

John S. Hudacek 10/26/05

Approved by: _____ Date
John Hudacek
Cape Environmental
Site Superintendent

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1 Site Location Map
2 Cornell-Dubilier Electronics Site, OU-1 Properties
3 Site Location Map, Chin's Auto Body Shop
4 Site Location Map, 507 Hamilton Boulevard
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6 Site Location Map, Barbato Construction Co., Office Building, 321 Spicer Ave.

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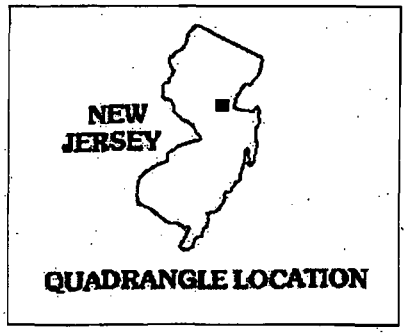
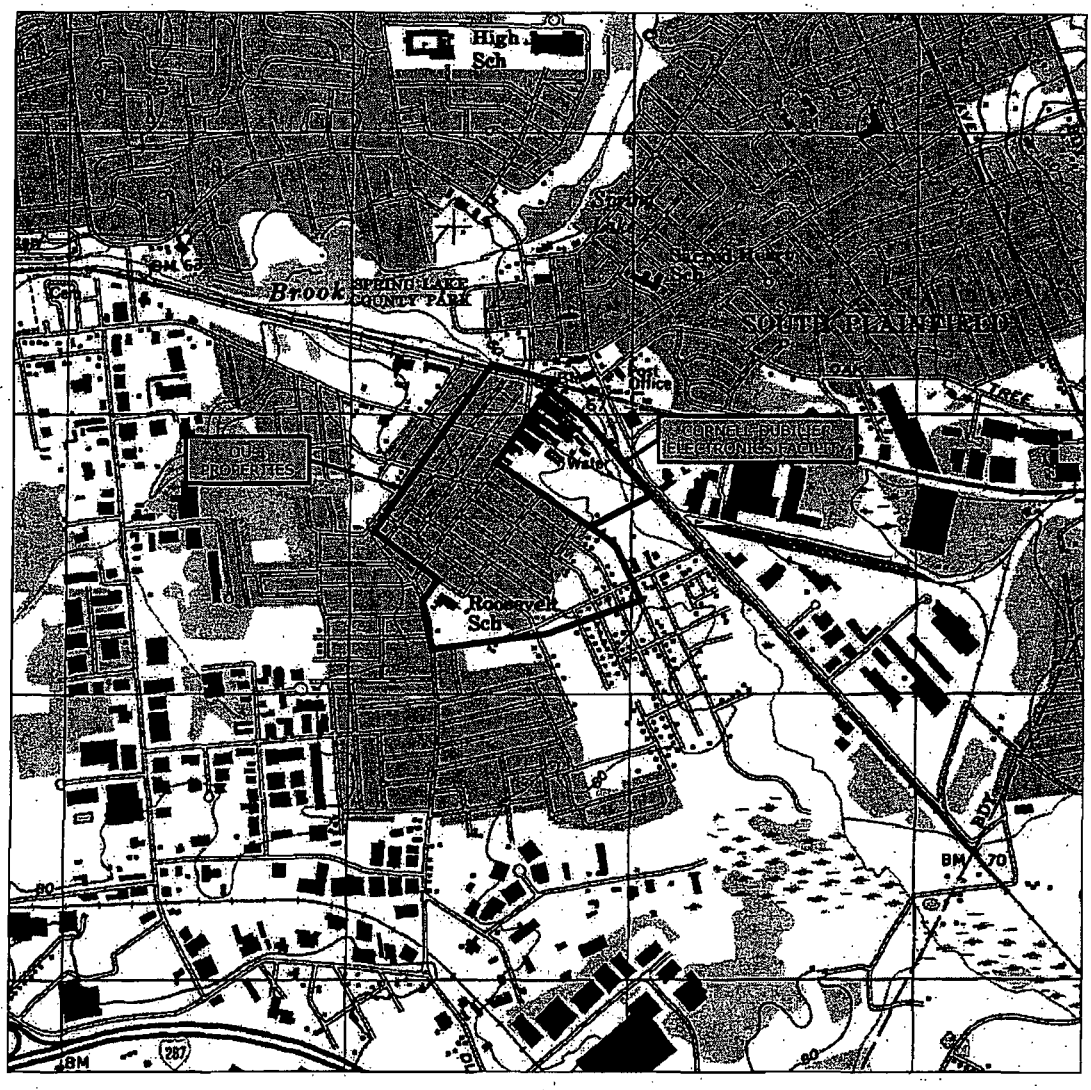
1.2 Site Location and Background

The Cornell-Dubilier Electronics site consists of approximately 27 acres located at 333 Hamilton Boulevard in South Plainfield, Middlesex County, New Jersey (Figure 1). Cornell-Dubilier Electronics Corporation, Inc. (CDE) manufactured electronic components, including capacitors, at the site from 1936 to 1962. The site is bordered on the northeast by the Bound Brook and the former Lehigh Valley Railroad, Perth Amboy Branch (presently Conrail); to the southeast by the South Plainfield Department of Public Works property, which includes an unnamed tributary to the Bound Brook; to the southwest, across Spicer Avenue, by single-family residential properties; and to the northwest, across Hamilton Boulevard, by mixed residential and commercial properties.

CDE manufactured electronics components at the site from 1936 through 1962. Polychlorinated biphenyls (PCBs) and chlorinated organic degreasing solvents were used in the manufacturing process. PCBs are a group of chemical compounds consisting of mixtures of numerous chlorinated biphenyl molecules. The compounds differ both in the number and/or position of chlorine atoms attached to the biphenyl rings and in the degree of chlorination, for a total of 209 possible individual compounds (i.e., congeners). For commercial purposes, common mixtures of PCBs were given names/identification numbers, indicating the degree of chlorination, type of formulation, or other properties. For example, one series of mixtures was named "Aroclor," and the specific mixture was then further distinguished by the percentage of chlorine (e.g., Aroclor-1248 contained 48 percent chlorine).

Figures





SOURCE: US GEOLOGICAL SURVEY 7.5-MINUTE SERIES TOPOGRAPHIC MAP FOR PLAINFIELD, NEW JERSEY (1995).

FIGURE 1
SITE LOCATION MAP
SCALE: 1 : 24,000

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(610) 594-8608

REVISIONS:

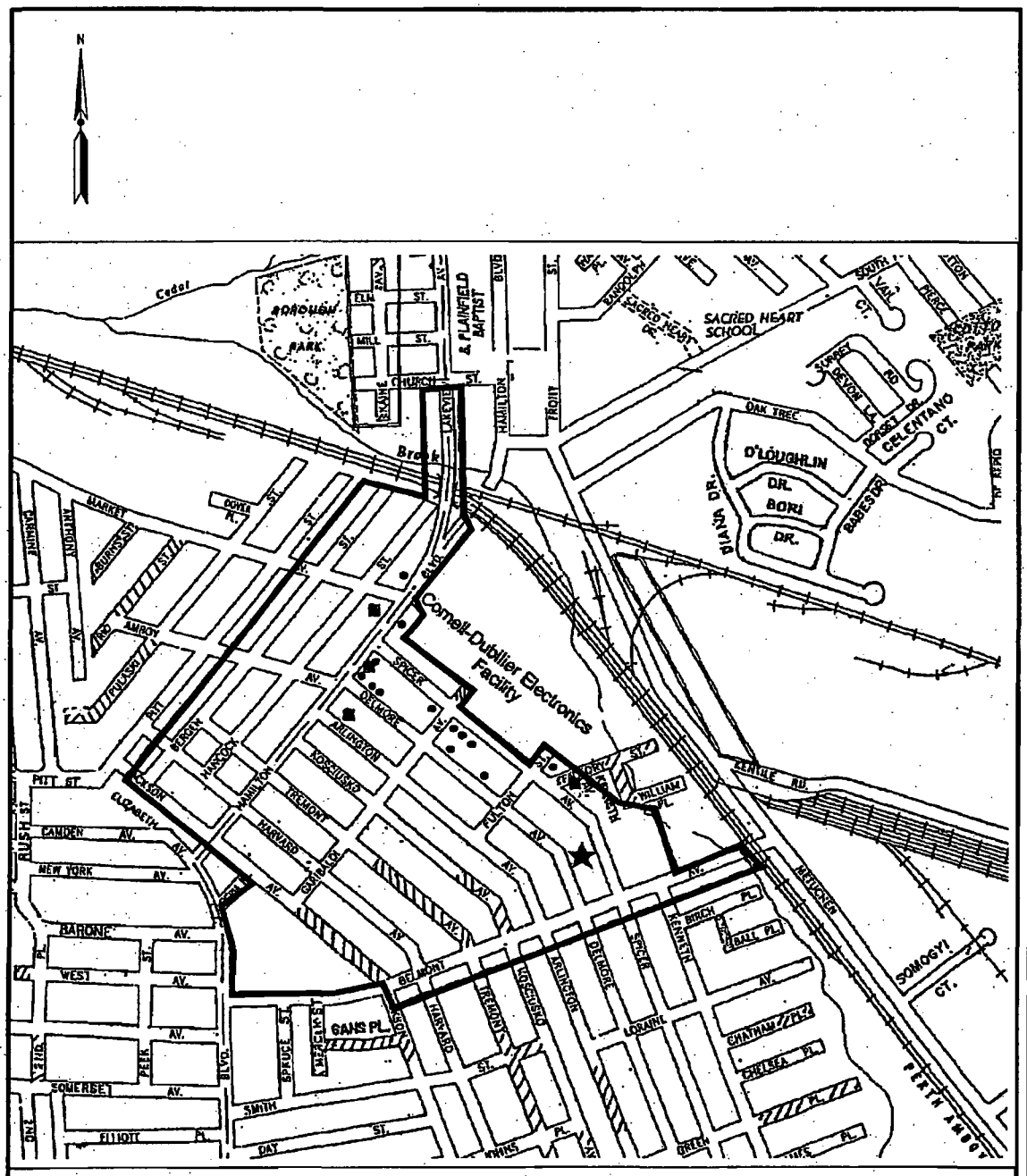
No.	Date	Remarks

U. S. Army Corps of Engineers
KANSAS CITY DISTRICT

PROJECT NAME
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS
SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE
SITE LOCATION MAP

CONTRACT NO: W912DQ-05-D-0001	
JOB NO: 50001.001.001.002	
CHECKED BY: W.TORRES	DRAWN BY: B.DAVIS
DATE: JULY 05	FILE NAME: CDEFIG1
FIGURE: FIGURE 1	



CORNELL–DUBILIER ELECTRONICS SITE
OU–1 PROPERTIES

NOT TO SCALE

LEGEND

- ■ PROPERTIES SELECTED FOR REMEDIAL ACTION
- ● PREVIOUSLY REMEDIATED PROPERTIES
- ★ LOCATION OF FIELD TRAILERS AND LAYDOWN AREA

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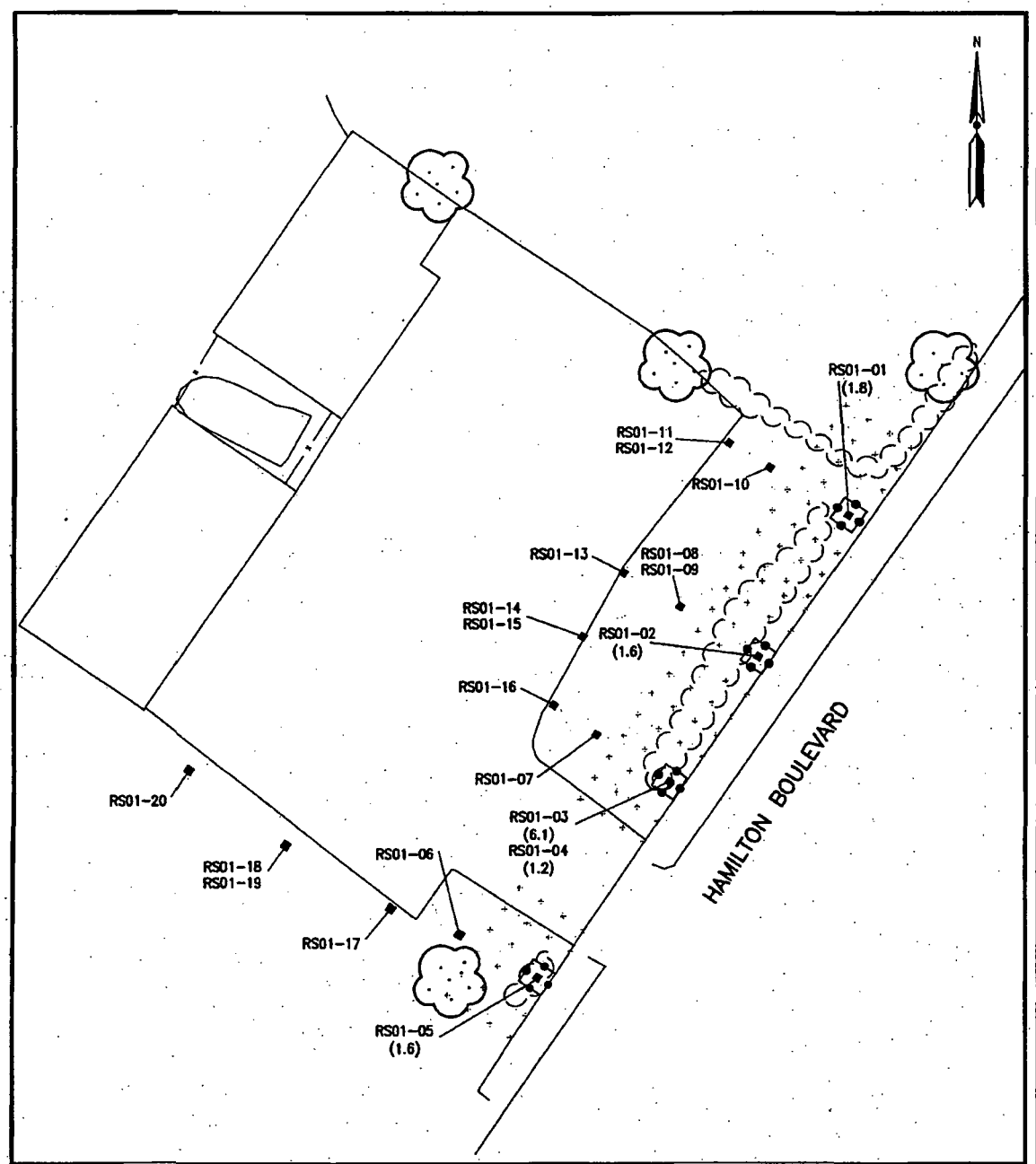
PROJECT NAME
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE
CORNELL-DUBILIER ELECTRONICS SITE
OU-1 PROPERTIES

CONTRACT NO: W912DQ-05-D-0001	
JOB NO: 50001.001.001.002	
CHECKED BY: W.TORRES	DRAWN BY: B.DAVIS
DATE: JULY 05	FILE NAME: CDEFIG2
FIGURE: FIGURE 2	



SITE LOCATION MAP
CHIN'S AUTO BODY SHOP
408 HAMILTON BOULEVARD

SCALE: 1" = 30"

LEGEND

RS01-01 (1.6) — HISTORICAL SAMPLE LOCATION AND CONCENTRATION (ppm)

● PROPOSE NEW SAMPLE LOCATION

5'x5' GRID (SPACE PERMITTING) AROUND HISTORICAL SAMPLE LOCATION

× EXTENDED 5 FOOT GRID (IF NEEDED)

GRAPHIC SCALE

0 30' 60'

SCALE: 1"= 30'-0"

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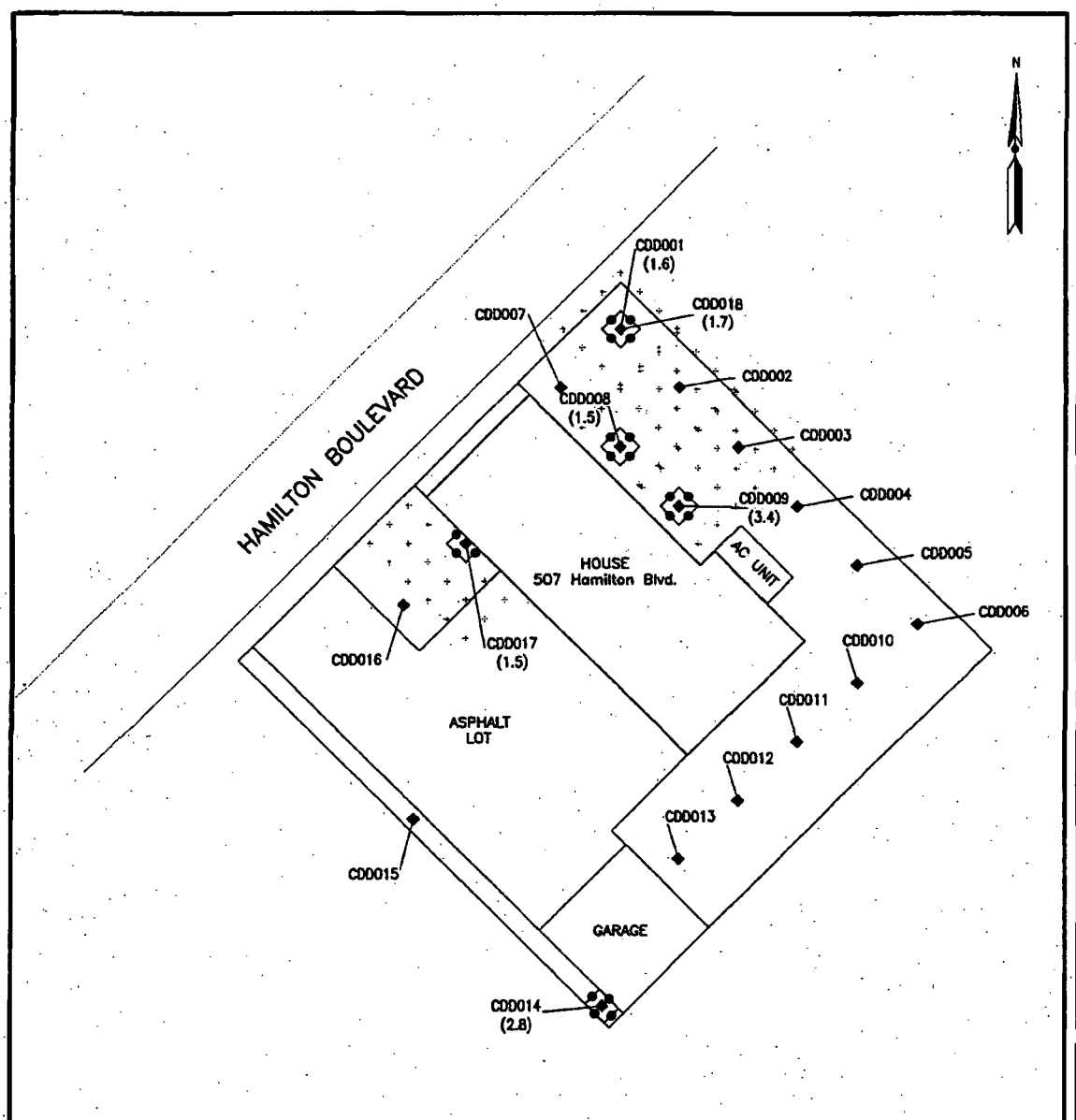
KANSAS CITY DISTRICT

PROJECT NAME
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS
SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE
SITE LOCATION MAP
CHIN'S AUTO BODY SHOP
408 HAMILTON BOULEVARD

CONTRACT NO: W912DQ-05-D-0001
JOB NO: 50001.001.001.002
CHECKED BY: W.TORRES
DRAWN BY: B.DAVIS
DATE: JULY 05
FILE NAME: CDEFIG3
FIGURE: FIGURE 3



SITE LOCATION MAP
507 HAMILTON BOULEVARD
SCALE: 1" = 30"

LEGEND

RS01-01/ (1.6) — HISTORICAL SAMPLE LOCATION AND CONCENTRATION (ppm)

● PROPOSE NEW SAMPLE LOCATION

5'x5' GRID (SPACE PERMITTING) AROUND HISTORICAL SAMPLE LOCATION

× EXTENDED 5 FOOT GRID (IF NEEDED)

GRAPHIC SCALE

0 30' 60'

SCALE: 1"= 30'-0"

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REVISIONS:

No.	Date	Remarks

U. S. Army Corps of Engineers
KANSAS CITY DISTRICT

PROJECT NAME:
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS
SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE
SITE LOCATION MAP
507 HAMILTON BOULEVARD

CONTRACT NO: W912DQ-05-D-0001
JOB NO: 50001.001.001.002
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DRAWN BY: B.DAVIS
DATE: JULY 05
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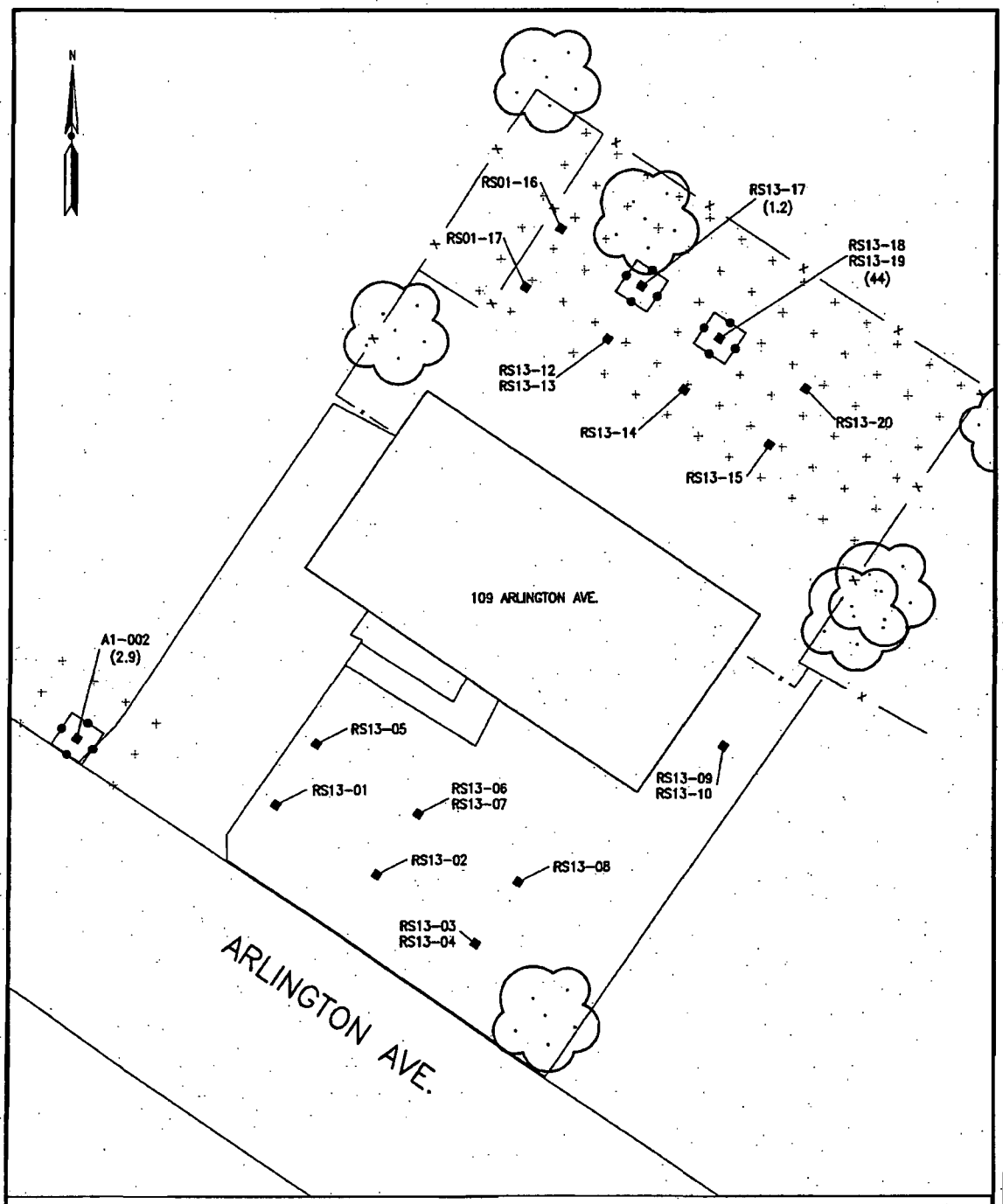
FIGURE: FIGURE 4



SITE LOCATION MAP
109 ARLINGTON AVE

SCALE: 1" = 20"

LEGEND

RS01-01 (1.6) — HISTORICAL SAMPLE LOCATION AND CONCENTRATION (ppm)

● PROPOSE NEW SAMPLE LOCATION

5'x5' GRID (SPACE PERMITTING) AROUND HISTORICAL SAMPLE LOCATION

× EXTENDED 5 FOOT GRID (IF NEEDED)

GRAPHIC SCALE

0 20' 40'

SCALE: 1"= 20'-0"

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REVISIONS:

No.	Date	Remarks

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PROJECT NAME
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS
SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE
SITE LOCATION MAP
109 ARLINGTON AVENUE

CONTRACT NO: W912DQ-05-D-0001
JOB NO: 50001.001.001.002
CHECKED BY: W.TORRES
DRAWN BY: B.DAVIS
DATE: JULY 05
FILE NAME: CDEFIG5
FIGURE: FIGURE 5

Historical Data and Property Maps

CAPE℠

DATE: **November 20, 2005**

TO: **Brian Mathis**

CC: **Michael Lamon**

FROM: **Chuck Reed**

Re: Historical Data Explanation and Waste Disposal Facility Determination
Cornell-Dubilier Electronics Superfund Site South Plainfield, New Jersey
Contract No. W912DQ-05-D-0001, Task Order 001

This memorandum is to clarify and direct project staff as to where the excavated PCB contaminated soils will be disposed. All soils with concentrations less than 50 ppm (see Tables A-1 and A-2) will be disposed of at the G.R.O.W.S. Landfill in Pennsylvania (pending acceptance). This includes the excavated soils from the following properties 109 Arlington, 408 Hamilton, and 507 Hamilton. No Table is available for the 507 Hamilton property, however, data is included on the map of 507 Hamilton.

All soils with concentrations greater than 50 ppm (see Table A-3) will be disposed of at the EQ facility in Michigan. This includes the excavated soils from the 321 Spicer Avenue property.

If you have any questions regarding this direction please call 610-745-3400.

Sincerely,

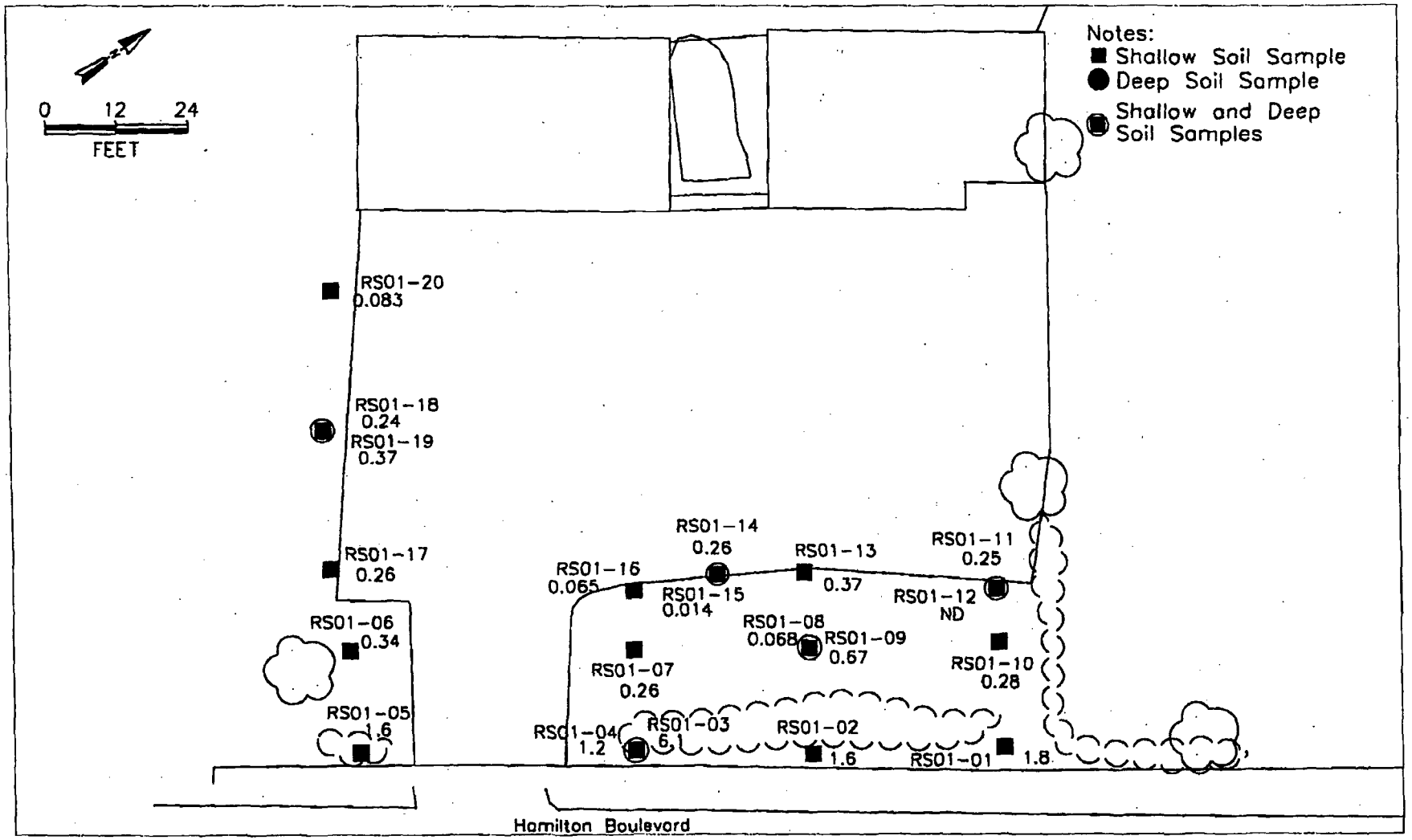
Chuck Reed
CAPE Quality Control Site Manager

Cc: Patrick Nejand, USACE
Mike Lamon, CAPE PM

180 Gordon Drive, Suite # 102 Exton, PA 19341-1340
610/594-8606 – Phone 610/594-8609 - Fax

TABLE A1
PCBs Detected at Property RS01
Cornell-Dubilier Electronics Superfund Site
PROPERTY 1 - 408 HAMILTON AVENUE

Sample ID	Date	Depth (in.)	Aroclor 1016 (ug/kg)	Aroclor 1221 (ug/kg)	Aroclor 1232 (ug/kg)	Aroclor 1242 (ug/kg)	Aroclor 1248 (ug/kg)	Aroclor 1254 (ug/kg)	Aroclor 1260 (ug/kg)	Total PCBs (mg/kg)
CDE-RS01-01	6/12/2000	0-2	40 U	80 U	40 U	40 U	40 U	1800 D	40 U	1.8
CDE-RS01-02	6/12/2000	0-2	42 U	84 U	42 U	42 U	42 U	1600 D	42 U	1.6
CDE-RS01-03	6/12/2000	0-2	41 U	81 U	41 U	41 U	41 U	6100 JD	41 U	6.1
CDE-RS01-04	6/12/2000	16-18	38 U	76 U	38 U	38 U	38 U	1200 JD	38 U	1.2
CDE-RS01-05	6/12/2000	0-2	42 U	84 U	42 U	42 U	42 U	1600 JD	42 U	1.6
CDE-RS01-06	6/12/2000	0-2	41 U	81 U	41 U	41 U	41 U	340 P	41 U	0.34
CDE-RS01-07	6/12/2000	0-2	40 U	80 U	40 U	40 U	40 U	210	40 U	0.21
CDE-RS01-97	Duplicate of CDE-RS01-07		40 U	80 U	40 U	40 U	40 U	260	40 U	0.26
CDE-RS01-08	6/12/2000	0-2	39 U	79 U	39 U	39 U	39 U	68 P	39 U	0.068
CDE-RS01-09	6/12/2000	16-18	43 U	86 U	43 U	43 U	43 U	670 P	43 U	0.67
CDE-RS01-10	6/12/2000	0-2	39 U	79 U	39 U	39 U	39 U	280 P	39 U	0.28
CDE-RS01-11	6/12/2000	0-2	43 U	85 U	43 U	43 U	43 U	250	43 U	0.25
CDE-RS01-12	6/12/2000	16-18	39 U	78 U	39 U	39 U	39 U	39 U	39 U	U
CDE-RS01-13	6/12/2000	0-2	41 U	82 U	41 U	41 U	41 U	370 JP	41 U	0.37
CDE-RS01-14	6/12/2000	0-2	38 U	76 U	38 U	38 U	38 U	260	38 U	0.26
CDE-RS01-15	6/12/2000	16-18	39 U	79 U	39 U	39 U	39 U	14 JP	39 U	0.014
CDE-RS01-16	6/12/2000	0-2	36 U	72 U	36 U	36 U	36 U	65	36 U	0.065
CDE-RS01-17	6/12/2000	0-2	38 U	76 U	38 U	38 U	38 U	260	38 U	0.26
CDE-RS01-18	6/12/2000	0-2	42 U	83 U	42 U	42 U	42 U	240	42 U	0.24
CDE-RS01-19	6/12/2000	16-18	41 U	82 U	41 U	41 U	41 U	370 B	41 U	0.37
CDE-RS01-20	6/12/2000	0-2	41 U	82 U	41 U	41 U	41 U	83 JP	41 U	0.083



FOSTER WHEELER ENVIRONMENTAL CORPORATION

TITLE:
Total PCBs (mg/kg)
Property 1 (408 Hamilton Boulevard)
Cornell-Dubilier Electronics Superfund Site, OU-1

DWN: CTS	DES.:	PROJECT NO.: 1945.1018
CHKD:	APPD:	FIGURE NO.: 2-1
DATE: 06/01/01	REV.: 1	

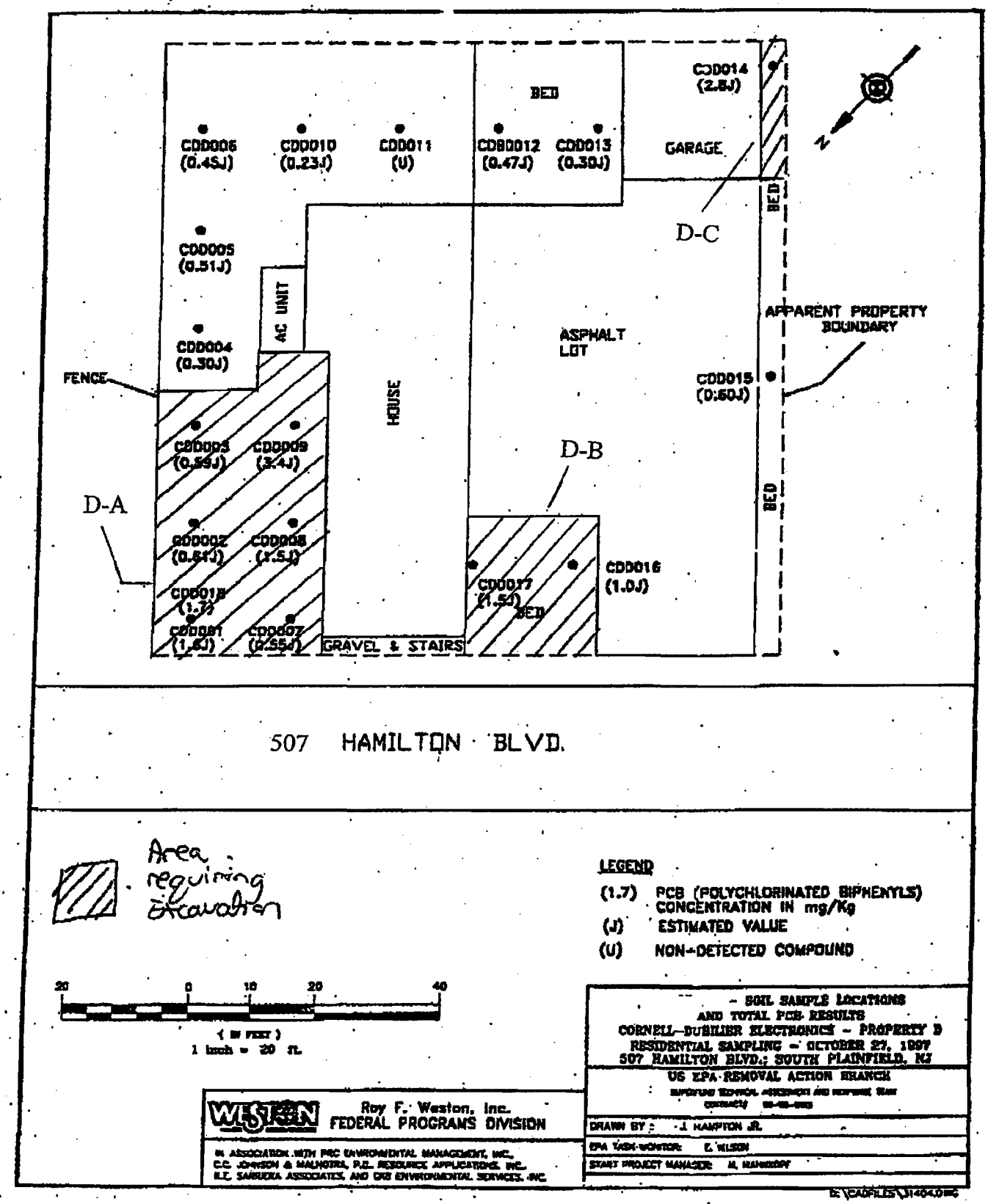
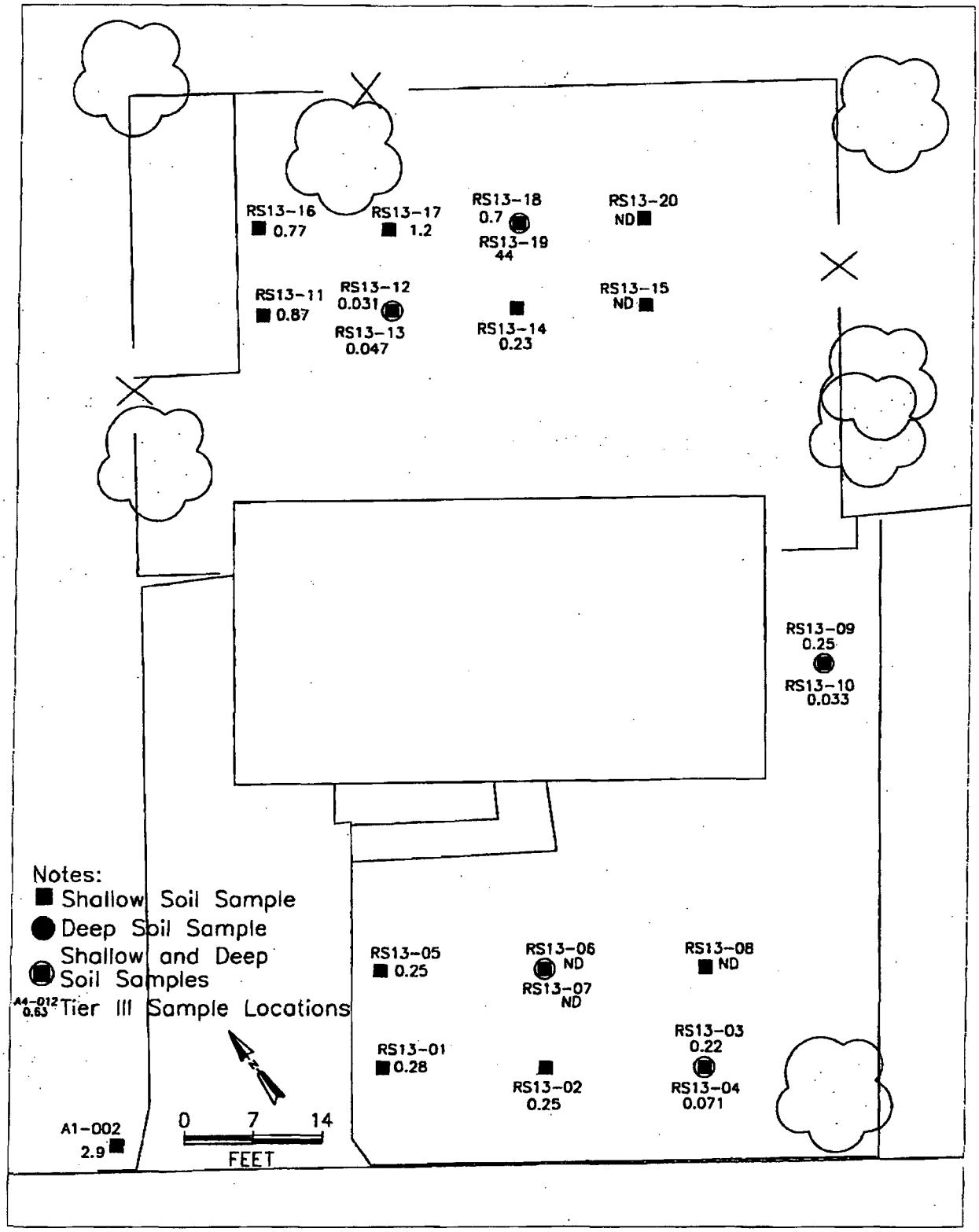

BED
CDD014
(2.5J)
CDD006
(0.45J)
CDD010
(0.23J)
CDD011
(U)
CDD012
(0.47J)
CDD013
(0.30J)
GARAGE
BED
D-C
CDD005
(0.51J)
AC UNIT
APPARENT PROPERTY BOUNDARY
ASPHALT LOT
CDD004
(0.30J)
FENCE
HOUSE
CDD015
(0.50J)
CDD008
(0.55J)
CDD009
(3.4J)
D-B
D-A
BED
CDD002
(0.61J)
CDD003
(1.5J)
CDD016
(1.0J)
CDD018
(1.7)
CDD017
(1.5J)
BED
CDD001
(1.6J)
CDD007
(0.55J)
GRAVEL & STAIRS
507 HAMILTON BLVD.
Area requiring Excavation
LEGEND
(1.7) PCB (POLYCHLORINATED BIPHENYLS) CONCENTRATION IN mg/Kg
(J) ESTIMATED VALUE
(U) NON-DETECTED COMPOUND
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.
- SOIL SAMPLE LOCATIONS AND TOTAL PCB RESULTS
CORNELL-DUBILIER ELECTRONICS - PROPERTY D
RESIDENTIAL SAMPLING - OCTOBER 27, 1997
507 HAMILTON BLVD.; SOUTH PLAINFIELD, NJ
US EPA REMOVAL ACTION BRANCH
WESTON
Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
IN ASSOCIATION WITH PRC ENVIRONMENTAL MANAGEMENT, INC.
C.C. JOHNSON & MALHOTRA, P.C. RESOURCE APPLICATIONS, INC.
R.E. SARGENT ASSOCIATES, AND CRS ENVIRONMENTAL SERVICES, INC.
DRAWN BY: J. HAMPTON JR.
EPA TASK MONITOR: E. WILSON
START PROJECT MANAGER: M. HAMMERT

Figure 4

TABLE A2
PCBs Detected at Property RS013
Cornell-Dubilier Electronics Superfund Site
PROPERTY 13 - 109 ARLINGTON

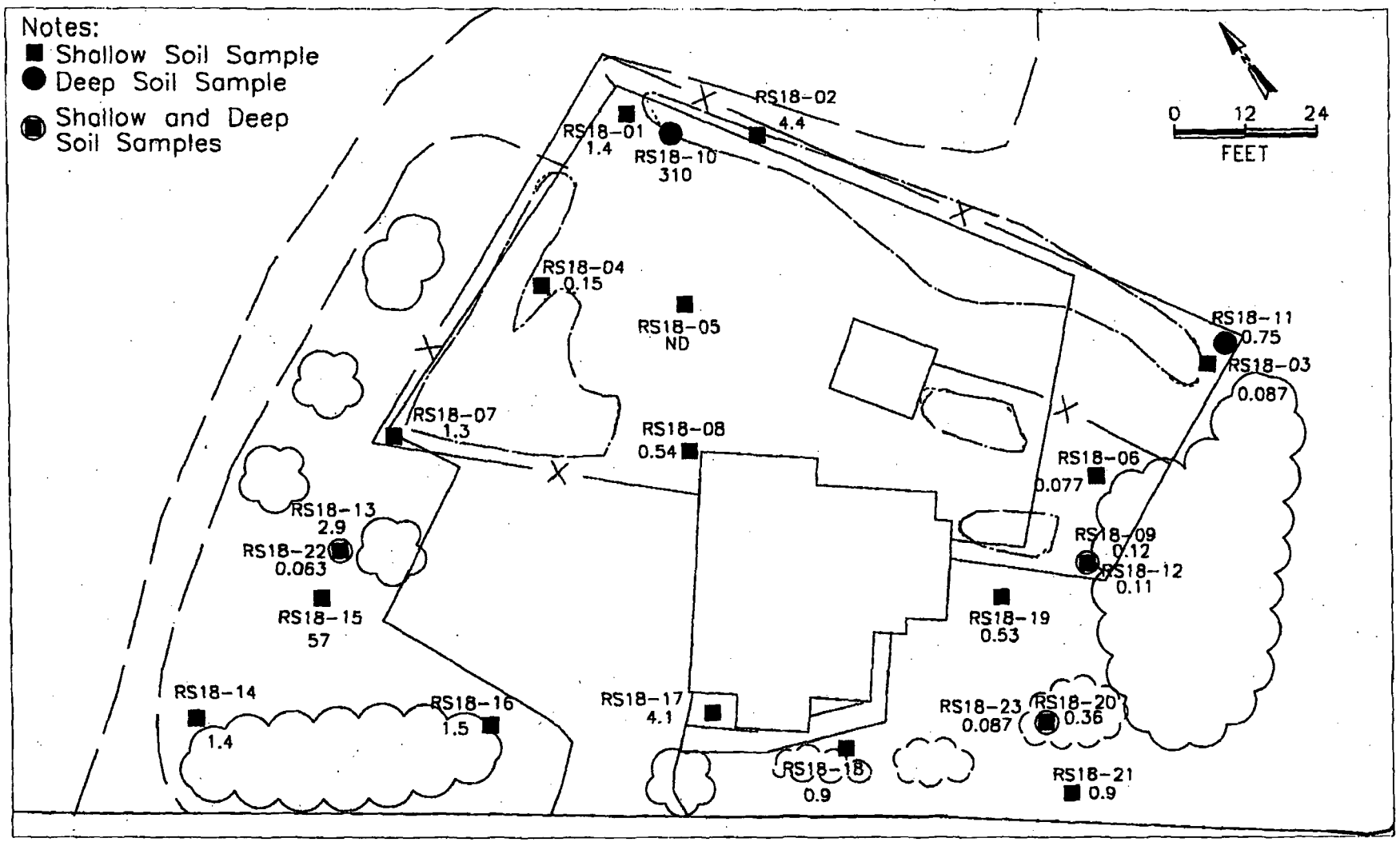
Sample ID	Date	Depth (in.)	Aroclor 1016 (ug/kg)	Aroclor 1221 (ug/kg)	Aroclor 1232 (ug/kg)	Aroclor 1242 (ug/kg)	Aroclor 1248 (ug/kg)	Aroclor 1254 (ug/kg)	Aroclor 1260 (ug/kg)	Total PCBs (mg/kg)
CDE-RS13-01	6/20/2000	0-2	200 U	400 U	200 U	200 U	200 U	280 PD	200 U	0.28
CDE-RS13-02	6/20/2000	0-2	190 U	380 U	190 U	190 U	190 U	250 PD	190 U	0.25
CDE-RS13-03	6/20/2000	0-2	200 U	400 U	200 U	200 U	200 U	220 PD	200 U	0.22
CDE-RS13-04	6/20/2000	16-18	35 U	71 U	35 U	35 U	35 U	71	35 U	0.071
CDE-RS13-05	6/20/2000	0-2	210 U	420 U	210 U	210 U	210 U	250 PD	210 U	0.25
CDE-RS13-06	6/20/2000	0-2	40 U	79 U	40 U	40 U	40 U	40 U	40 U	U
CDE-RS13-07	6/20/2000	16-18	37 UJ	74 UJ	37 UJ	37 UJ	37 UJ	37 UJ	37 UJ	U
CDE-RS13-97	Duplicate of CDE-RS13-07		37 U	74 U	37 U	37 U	37 U	37 U	37 U	U
CDE-RS13-08	6/20/2000	0-2	200 U	410 U	200 U	200 U	200 U	200 U	200 U	U
CDE-RS13-09	6/20/2000	0-2	200 U	400 U	200 U	200 U	200 U	250 PD	200 U	0.25
CDE-RS13-10	6/20/2000	16-18	38 UJ	76 UJ	38 UJ	38 UJ	38 UJ	33 JP	38 UJ	0.033
CDE-RS13-11	6/20/2000	0-2	200 U	400 U	200 U	200 U	200 U	200 U	870 PD	0.87
CDE-RS13-12	6/20/2000	0-2	41 U	82 U	41 U	41 U	41 U	41 U	31 J	0.031
CDE-RS13-13	6/20/2000	16-18	41 U	82 U	41 U	41 U	41 U	40 J	41 U	0.04
CDE-RS13-83	Duplicate of CDE-RS13-13		41 U	82 U	41 U	41 U	41 U	47	41 U	0.047
CDE-RS13-14	6/20/2000	0-2	200 U	410 U	200 U	200 U	200 U	200 U	230 PD	0.23
CDE-RS13-15	6/20/2000	0-2	200 U	390 U	200 U	200 U	200 U	200 U	200 U	U
CDE-RS13-16	6/20/2000	0-2	200 U	400 U	200 U	200 U	200 U	200 U	770 D	0.77
CDE-RS13-17	6/20/2000	0-2	390 U	780 U	390 U	390 U	390 U	390 U	1200 PD	1.2
CDE-RS13-18	6/20/2000	0-2	210 U	420 U	210 U	210 U	210 U	210 U	700 PD	0.7
CDE-RS13-19	6/20/2000	16-18	4400 U	8900 U	4400 U	4400 U	4400 U	4400 U	44000 D	44
CDE-RS13-20	6/20/2000	0-2	190 U	380 U	190 U	190 U	190 U	190 U	190 U	U



FOSTER WHEELER ENVIRONMENTAL CORPORATION	TITLE: Total PCBs (mg/kg) Property 13 (109 Arlington Avenue) Cornell-Dubilier Electronics Superfund Site, OU-1	DWN: CTS CHKD: DATE: 06/01/01	DES.: APPD: REV.: 1	PROJECT NO.: 1945.1018 FIGURE NO.: 2-13

TABLE A3
PCBs Detected at Property RS018
Cornell-Dubilier Electronics Superfund Site
PROPERTY 18 - 321 SPICER AVENUE

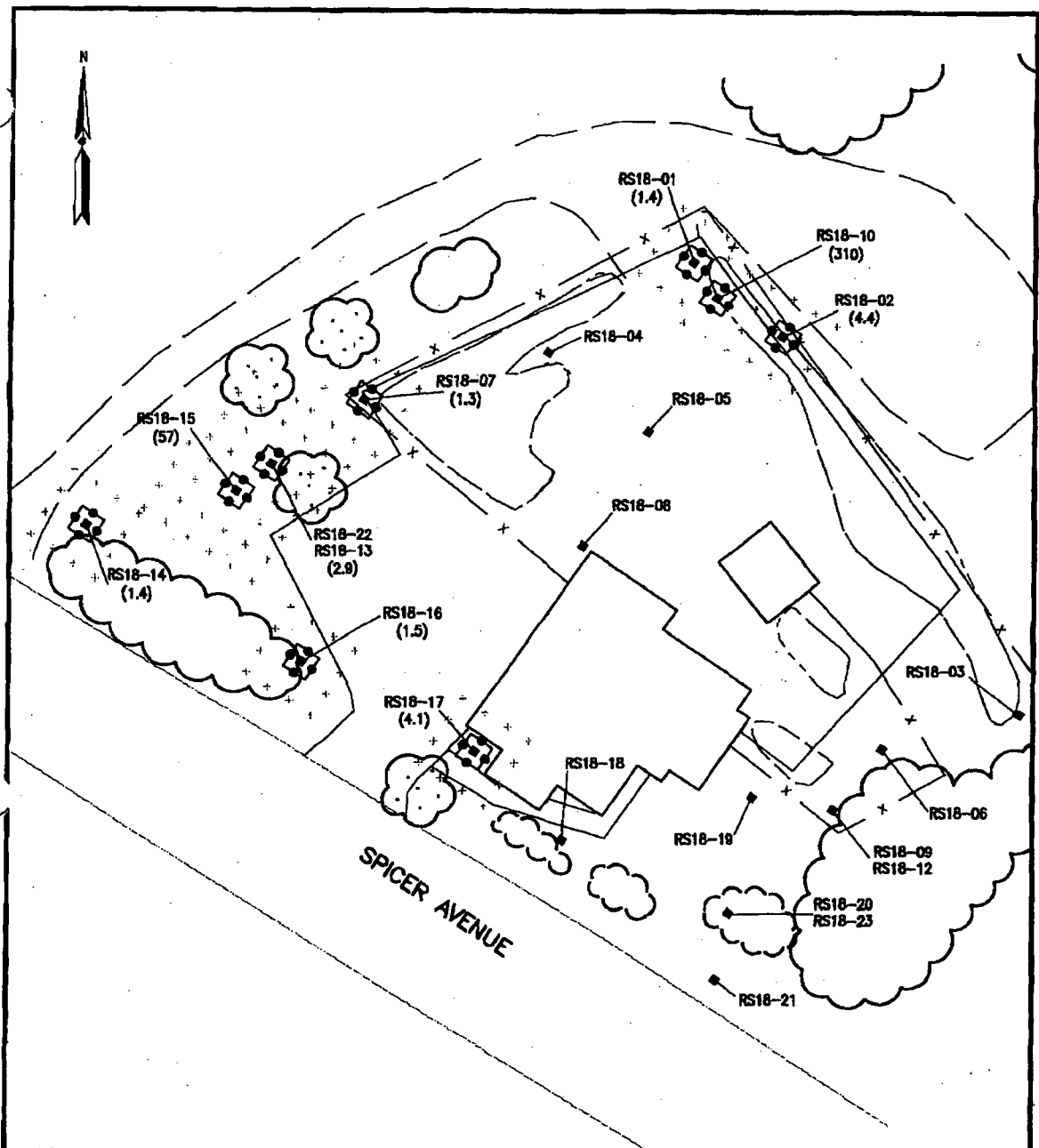
Sample ID	Date	Depth (in.)	Aroclor 1016 (ug/kg)	Aroclor 1221 (ug/kg)	Aroclor 1232 (ug/kg)	Aroclor 1242 (ug/kg)	Aroclor 1248 (ug/kg)	Aroclor 1254 (ug/kg)	Aroclor 1260 (ug/kg)	Total PCBs (mg/kg)
CDE-RS18-01	6/22/2000	0-2	190 U	380 U	190 U	190 U	190 U	1400 D	190 U	1.4
CDE-RS18-02	6/22/2000	0-2	740 U	1500 U	740 U	740 U	740 U	4400 D	740 U	4.4
CDE-RS18-03	6/22/2000	0-2	40 U	80 U	40 U	40 U	40 U	87	40 U	0.087
CDE-RS18-04	6/22/2000	0-2	37 U	73 U	37 U	37 U	37 U	150	37 U	0.15
CDE-RS18-05	6/22/2000	0-2	39 U	78 U	39 U	39 U	39 U	39 U	39 U	U
CDE-RS18-06	6/22/2000	0-2	39 U	78 U	39 U	39 U	39 U	77 J	39 U	0.077
CDE-RS18-07	6/22/2000	0-2	190 U	380 U	190 U	190 U	190 U	1300 D	190 U	1.3
CDE-RS18-08	6/22/2000	0-2	200 U	390 U	200 U	200 U	200 U	540 D	200 U	0.54
CDE-RS18-09	6/22/2000	0-2	40 U	79 U	40 U	40 U	40 U	120	40 U	0.12
CDE-RS18-10	6/22/2000	16-18	44000 U	89000 U	44000 U	44000 U	44000 U	230000 D	44000 U	230
CDE-RS18-80	Duplicate of CDE-RS18-10		45000 U	90000 U	45000 U	45000 U	45000 U	310000 D	45000 U	310
CDE-RS18-11	6/22/2000	16-18	190 U	380 U	190 U	190 U	190 U	750 D	190 U	0.75
CDE-RS18-12	6/22/2000	16-18	40 U	80 U	40 U	40 U	40 U	110	40 U	0.11
CDE-RS18-13	6/22/2000	0-2	760 U	1500 U	760 U	760 U	760 U	2900 D	760 U	2.9
CDE-RS18-14	6/22/2000	0-2	360 U	730 U	360 U	360 U	360 U	1400 JD	360 U	1.4
CDE-RS18-15	6/22/2000	0-2	19000 U	39000 U	19000 U	19000 U	19000 U	57000 D	19000 U	57
CDE-RS18-16	6/22/2000	0-2	390 U	770 U	390 U	390 U	390 U	1500 D	390 U	1.5
CDE-RS18-17	6/22/2000	0-2	780 U	1600 U	780 U	780 U	780 U	4100 JD	780 U	4.1
CDE-RS18-18	6/22/2000	0-2	200 U	400 U	200 U	200 U	200 U	900 D	200 U	0.9
CDE-RS18-19	6/22/2000	0-2	210 U	410 U	210 U	210 U	210 U	530 D	210 U	0.53
CDE-RS18-20	6/22/2000	0-2	200 U	390 U	200 U	200 U	200 U	360 D	200 U	0.36
CDE-RS18-21	6/22/2000	0-2	190 U	380 U	190 U	190 U	190 U	900 D	190 U	0.9
CDE-RS18-22	6/22/2000	16-18	37 U	74 U	37 U	37 U	37 U	63	37 U	0.063
CDE-RS18-23	6/22/2000	16-18	180 U	370 U	180 U	180 U	180 U	87 JD	180 U	0.087



FOSTER WHEELER ENVIRONMENTAL CORPORATION

TITLE:
Total PCBs (mg/kg)
Property 18 (321 Spicer Avenue)
Cornell-Dubilier Electronics Superfund Site, OU-1

DWN: CTS	DES.:	PROJECT NO.: 1945.1018
CHKD:	APPD:	FIGURE NO.: 2-18
DATE: 06/01/01	REV.: 1	



SITE LOCATION MAP
BARBATO CONSTRUCTION CO., OFFICE BUILDING
321 SPICER AVENUE

SCALE: 1" = 30"

LEGEND

RS01-01 (1.6) — HISTORICAL SAMPLE LOCATION AND CONCENTRATION (ppm)

● PROPOSE NEW SAMPLE LOCATION

□ 5'x5' GRID (SPACE PERMITTING) AROUND HISTORICAL SAMPLE LOCATION

× EXTENDED 5 FOOT GRID (IF NEEDED)

GRAPHIC SCALE

0 30' 60'

SCALE: 1"= 30'-0"

CAPE

160 Gordon Drive
Suite 102
Exton, PA 19341
(610) 594-8605

REVISIONS:

No.	Date	Remarks

U. S. Army Corps of Engineers
KANSAS CITY DISTRICT

PROJECT NAME
OU-1 REMEDIAL DESIGN
CORNELL-DUBILIER ELECTRONICS SUPERFUND SITE
SOUTH PLAINFIELD, NEW JERSEY

SHEET TITLE
SITE LOCATION MAP
BARBATO CONSTRUCTION CO., OFFICE BUILDING
321 SPICER AVENUE

CONTRACT NO: W912DQ-05-D-0001	
JOB NO: 50001.001.001.002	
CHECKED BY: W.TORRES	DRAWN BY: B.DAVIS
DATE: JULY 05	FILE NAME: CDEFIG6
FIGURE: FIGURE 6	