

N60200.AR.002925  
NAS CECIL FIELD, FL  
5090.3a

SOURCE REMOVAL REPORT FOR EXCAVATION OF POLYCHLORINATED BIPHENYL-  
CONTAMINATED SOIL AT POTENTIAL SOURCE OF CONTAMINATION 39 OUTFALL 11  
DRAINAGE DITCH NAS CECIL FIELD FL  
5/1/2001  
CH2MHILL CONSTRUCTORS INC

# Source Removal Report

## Excavation of PCB-Contaminated Soil at Potential Source of Contamination 39 Outfall No. 11 Drainage Ditch

Naval Air Station Cecil Field  
Jacksonville, Florida

Contract No. N62467-98-D-0995  
Contract Task Order No. 0005

Submitted to:

**U.S. Naval Facilities  
Engineering Command  
Southern Division**

Prepared by:



115 Perimeter Center Place, N.E.  
Suite 700  
Atlanta, GA 30346

May 2001

**Source Removal Report  
PCB-Contaminated Soil at PSC 39  
Outfall No. 11 Drainage Ditch  
Naval Air Station Cecil Field  
Jacksonville, Florida**

**Contract No. N62467-98-D-0995  
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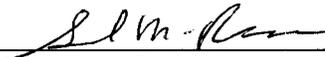
Prepared by:



**CH2MHILL**  
*Constructors, Inc.*

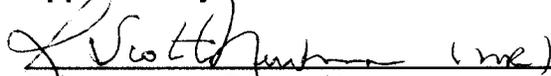
May 2001

**Prepared/Approved By:**

  
\_\_\_\_\_  
Samuel M. Ross, Project Manager

5/31/01  
\_\_\_\_\_  
Date

**Approved By:**

  
\_\_\_\_\_  
R. Scott Newman, Program Manager

6/21/01  
\_\_\_\_\_  
Date

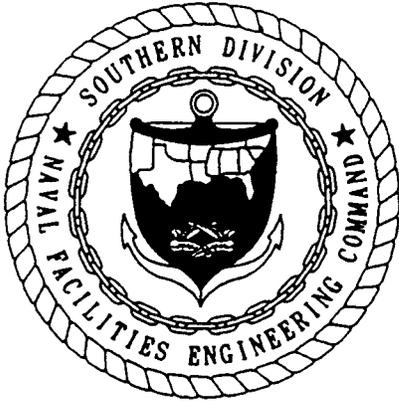
**Client Acceptance:**

  
\_\_\_\_\_  
U.S. Navy Responsible Authority

6-27-01  
\_\_\_\_\_  
Date

## Distribution List

	<u>Copies</u>
Southern Division, Naval Facilities Engineering Command	1
NAS Cecil Field	1
Florida Department of Environmental Protection	1
CH2M HILL, Inc.	1
Tetra Tech NUS, Inc.	2



**CERTIFICATION OF TECHNICAL  
DATA CONFORMITY (May 2001)**

The contractor, CH2M HILL Constructors, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-98-D-0995, CTO No. 0005 is complete and accurate and complies with all requirements of this contract.

DATE: \_\_\_\_\_

NAME AND TITLE OF CERTIFYING OFFICIAL: \_\_\_\_\_  
Samuel M. Ross, P.E.  
Project Manager



## Certificate of Completion

CH2M HILL Constructors, Inc., attests that, to the best of its knowledge and belief, the excavation and disposal of petroleum-contaminated soil at Potential Source of Contamination PSC 39, delivered under Contract No. N62467-98-D-0995, Naval Air Station Cecil Field, Jacksonville, Florida, Contract Task Order (CTO) No. 0005, has been completed, inspected, and tested, and is in compliance with the contract.

\_\_\_\_\_  
Project QC Manager

\_\_\_\_\_  
Date

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# Acronyms

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bls	below land surface
BCT	Base Cleanup Team
CCI	CH2M HILL Constructors, Inc.
CTO	Contract Task Order
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
NAS	Naval Air Station
NAVFAC	Naval Facilities Engineering Command
PCB	polychlorinated biphenyl
PEL	permissible exposure limit
ppm	parts per million
PSC	Potential Source of Contamination
SCTL	Soil Cleanup Target Level
TtNUS	Tetra Tech NUS, Inc.

# 1.0 Introduction

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CH2M HILL Constructors, Inc. (CCI) was contracted by the Southern Division, Naval Facilities Engineering Command (NAVFAC) to perform excavation, transportation, and disposal of polychlorinated biphenyl (PCB)-contaminated soils and prepare a Source Removal Report for Potential Source of Contamination (PSC) 39, Outfall No. 11 drainage ditch at Naval Air Station (NAS) Cecil Field in Jacksonville, Florida. The source removal was conducted in accordance with the specifications outlined in the Removal Action Design Package for PSC 39 Outfall No.11 Drainage Ditch prepared in September 2000 by Tetra Tech NUS (TtNUS).

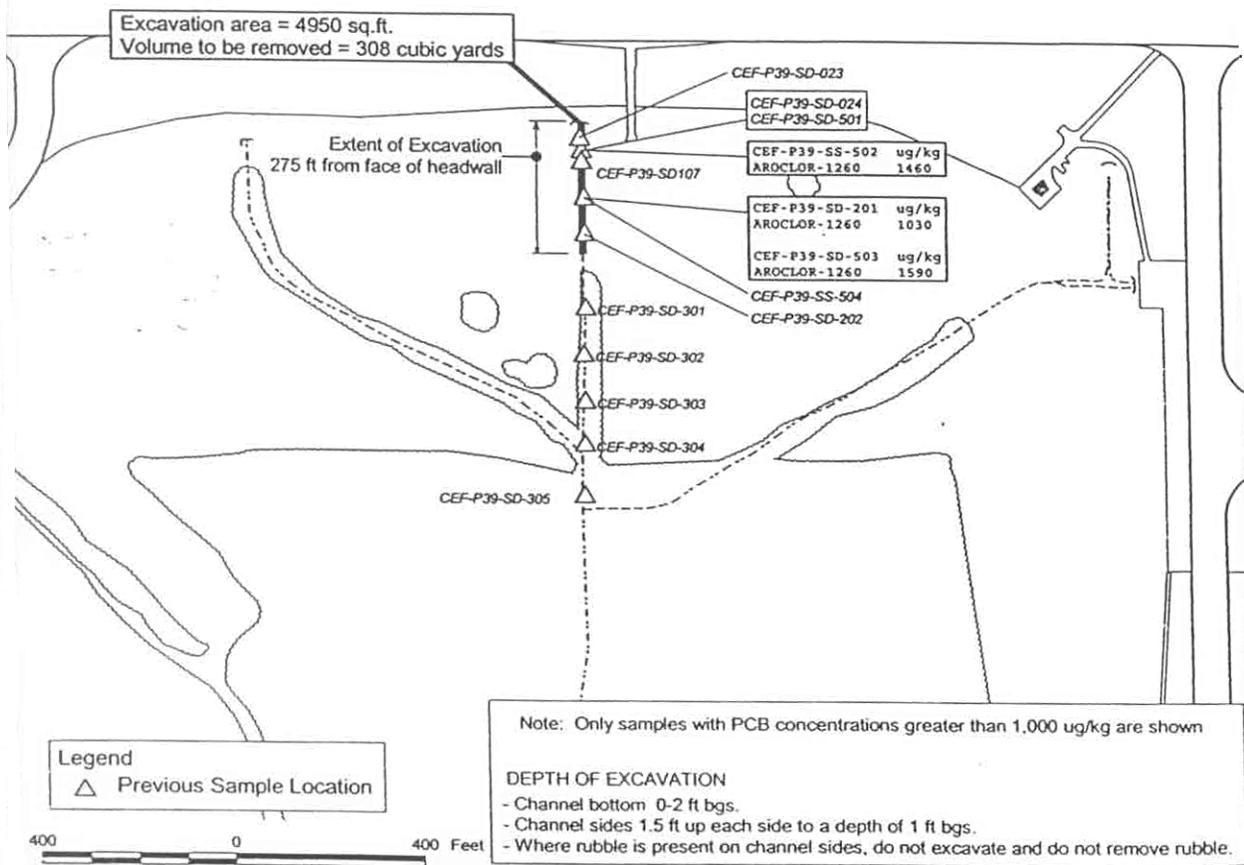
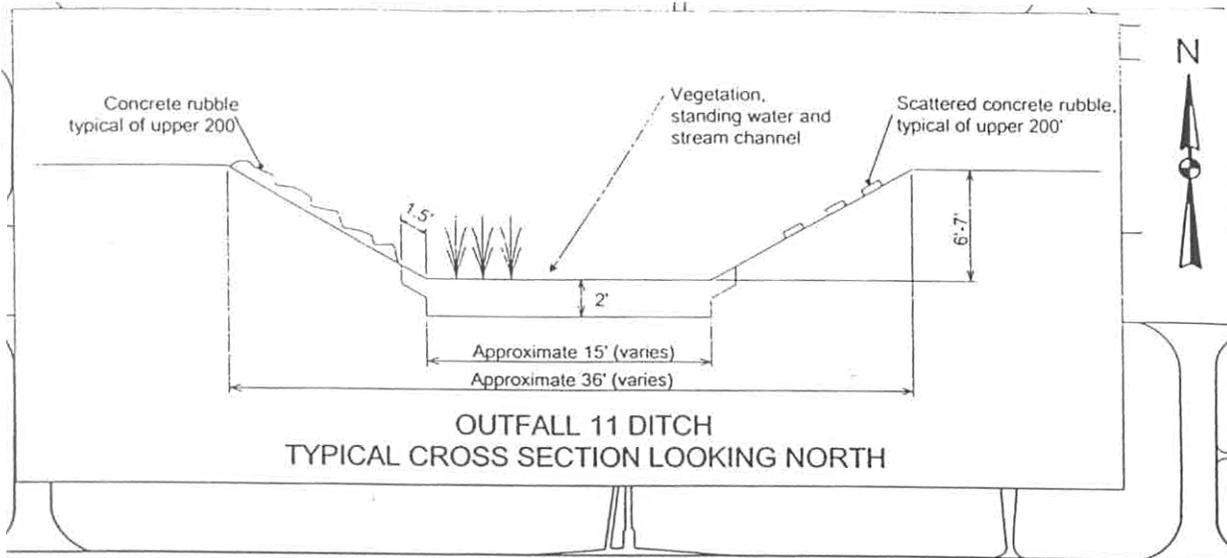
The scope of services for excavation of PCB-contaminated soils at PSC 39 is described in detail in the NAS Cecil Field Basewide Work Plan (CCI, 1998) and Work Plan Addendum No. 08, Excavation of PCB-Contaminated Soil from PSC 39 Outfall No. 11, NAS Cecil Field, Jacksonville, Florida (CCI, 2001). This work was authorized under Response Action Contract No. N62467-98-D-0995, Contract Task Order (CTO) No. 0005.

## 1.1 Site Background

PCBs were detected in several sediment samples at Outfall No.11 Drainage Ditch at concentrations greater than permissible exposure limits (PELs), but less than concentrations that would be hazardous to higher-level ecological receptors, according to food chain modeling. PCBs are extremely stable compounds and are slow to degrade under environmental conditions. PCBs are known to bioaccumulate and biomagnify in the food chain. The possibility that major storm events could result in downstream migration of sediment-bound PCBs into Sal Taylor Creek cannot be ruled out. Therefore, the NAS Cecil Field Base Cleanup Team (BCT) determined that some levels of sediment removal was appropriate. The upper 275 linear feet of the outfall channel has the highest PCB concentrations that exceeded the PELs. Additional site background information may be obtained through reference to the Action Memorandum (TtNUS, 2000). The area to be excavated is shown on Figure 1-1.

## 1.2 Project Objectives

The primary objective of the soil excavation was to remove PCB-contaminated soils to the horizontal and vertical excavation limits shown on Figure 1-1, as specified in the Removal Action Design Package for PSC 39, Outfall No.11 ditch (TtNUS, September 2000). Soil was excavated until the vertical and horizontal excavation limits were reached, and then the excavated area backfilled with clean fill material imported from an offsite source.



**Figure 1-1**  
Proposed/Actual Excavation Limits  
PSC 39  
Naval Air Station Cecil Field  
Jacksonville, Florida

## 2.0 Source Removal Activities

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A source removal was conducted at PSC 39 during the time period of February 19 through 22, 2001, during which a total of 390.66 tons of PCB-contaminated soil was excavated. Photographs showing the site before, during, and after the source removal are presented in Appendix A.

### 2.1 Site Preparation

In preparation for excavation, Sunshine State One-call of Florida, JaxPort Authority and J.A. Jones Management Services conducted utility locations. No utilities were found in the area of excavation.

### 2.2 Soil Excavation and Disposal

#### 2.2.1 Soil Excavation

Soil was excavated to the horizontal and vertical excavation limits shown on Figure 1-1, as specified in the Removal Action Design Package for PSC 39. (TtNUS, September 2000). The limits shown in Figure 1-1 were surveyed and staked by TtNUS prior to beginning excavation.

Soil was excavated using a long stick hydraulic track excavator and were stockpiled on and covered with 10-millimeter visqueen in a secondary containment area until transport trucks were available to transport soil to the disposal facility. Based on the facility weight tickets, 390.66 tons of PCB-contaminated soil from PSC 39 were excavated and disposed of offsite. The actual horizontal excavation limits matched the staked boundaries and the proposed horizontal excavation limits specified in the Removal Action Design Package for PSC 39, Outfall No.11 Ditch (TtNUS, June 2000). A post excavation survey was not performed because the soil was excavated to the original staked boundary. The horizontal excavation area is shown on Figure 1-1. The vertical excavation depths were spot checked by hand measurements.

#### 2.2.2 Soil Transportation and Disposal

Soil samples were collected and analyzed for waste characterization prior to beginning excavation. The analytical results indicated that PCB concentrations were less than 50 parts per million (ppm) in the soil. The waste characterization analytical lab reports are included in Appendix E. The PCB-contaminated soils were transported offsite by trucks provided by Beaver Bulk Trucking to Broadhurst Environmental in Jessup, Georgia, for disposal as a non-hazardous waste. The manifests are tabulated in Table 2-1. Copies of the manifests and of the certificate of disposal are presented in Appendices B and C, respectively.

**TABLE 2-1**  
Soil Disposal Manifest Summary

Date	Truck No.	Company	Manifest Load No.	Manifest No.	Weight (pounds)	Tare (pounds)	Net (pounds)	Net (tons)
2/23/01	9306	Beaver Bulk	01	14001	80,100	28,780	51,320	25.66
2/23/01	0004	Beaver Bulk	02	14,002	82,400	28,080	54,320	27.16
2/23/01	0010	Beaver Bulk	03	14003	81,120	27,960	53,160	26.58
2/23/01	9708	Beaver Bulk	04	14004	72,440	27,400	45,040	22.52
2/23/01	9312	Beaver Bulk	05	14005	78,800	28,900	49,900	24.95
2/23/01	0008	Beaver Bulk	06	14006	86,440	28,080	58,360	29.18
2/23/01	9702	Beaver Bulk	07	14007	76,220	27,740	48,480	24.24
2/23/01	0004	Beaver Bulk	08	14008	79,460	27,780	51,680	25.84
2/26/01	9706	Beaver Bulk	09	14009	88,520	26,360	62,160	31.08
2/26/01	0004	Beaver Bulk	10	14010	75,060	27,780	47,280	23.64
2/26/01	9708	Beaver Bulk	11	14011	83,300	27,400	55,900	27.95
2/26/01	9312	Beaver Bulk	12	14012	69,340	28,900	43,200	20.22
2/26/01	9704	Beaver Bulk	13	14013	72,560	28,820	43,740	21.87
2/26/01	L194	Beaver Bulk	14	14014	81,120	28,500	52,620	26.31
2/26/01	9402	Beaver Bulk	15	14015	68,600	28,020	40,580	20.29
2/26/01	0004	Beaver Bulk	16	14016	54,120	27,780	26,340	13.17
							Total	390.66

### 2.2.3 Backfilling and Site Restoration

The certified clean soil used to backfill PSC 39 excavations was imported from the Coxwell Crystal Springs Pit. The laboratory analytical reports certifying the material as clean fill is presented in Appendix D. The backfill was compacted using the excavation equipment. No compaction tests were required.

Once the excavation area was backfilled and graded, the outfall ditch (bottom and side slopes) was hydro seeded with Switchgrass and Deertongue Grass and a biodegradable geotextile coconut fiber was placed over the seeded area as specified in the Reseeding Requirements of the Removal Action Design Package (TtNUS, September 2000).

The biodegradable geotextile mesh and the soil were washed out by two heavy rains after PSC 39 Outfall No.11 drainage ditch was complete. Technical direction was given by Southern Division NAVFAC to install rip-rap in the bottom of the outfall ditch using 10-inch by 15-inch concrete rip-rap. Construction of the outfall ditch restoration began on April 10, 2001, and was completed on April 17, 2001. J.B. Coxwell Trucking delivered 386.85 tons of concrete rip-rap to PSC 39 Outfall No.11 Drainage Ditch. The rip-rap was placed in the ditch bottom and up the slopes, as shown on Figure 1-1, using a long-stick excavator, and the area surrounding the site was restored to its original condition (see Appendix A).

## **2.3 Confirmatory Sampling and Analysis**

No confirmatory sampling and analyses were performed based on the specifications outlined in the Removal Action Design Package for PSC 39, Outfall No.11 Ditch (TtNUS, September 2000).

## 3.0 Conclusions

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A total of 390.66 tons of PCB-contaminated soil from PSC 39 was removed and disposed offsite during this source removal. Waste characterization sampling and laboratory analysis indicated that the PCB concentration in the soil was less than 50 ppm. The soil was excavated to the horizontal and vertical excavation limits shown on Figure 1-1. The actual vertical and horizontal excavation limits matched the proposed vertical and horizontal excavation limits specified in the Removal Action Design Package for PSC 39, Outfall Ditch (TtNUS, September 2000). No confirmatory sampling and analysis were performed based on the specifications outlined in the Removal Action Design Package.

## 4.0 References

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CH2M HILL Constructors, Inc. November 1998. Basewide Work Plan, Revision 1, NAS Cecil Field, Jacksonville, Florida.

CH2M HILL Constructors, Inc. September 2000. CTO No. 0005 Work Plan Addendum No. 8, Excavation of PCB-Contaminated Soil from PSC 39, NAS Cecil Field, Jacksonville, Florida.

Tetra Tech NUS, Inc. September 2000. Removal Action Design Package for PSC 39 – Outfall No.11 Ditch, NAS Cecil Field, Jacksonville, Florida.

**Appendix A**  
**Photographs**



1. View of the PSC 39 site prior to excavation, showing Outfall No. 11 Drainage Ditch. (looking north).



2. View of the PSC 39 excavation in progress (looking South).



3. View of the PSC 39 during excavation (looking South).



4. View of the backfilled PSC 39 excavation with geotextile and hydroseed (looking north).



5. View of the PSC 39 after hydroseeding and geotextile (Looking South)



6. View of the PSC 39 backfill washout (Looking North)



7. View of the PSC 39 with rip-rap (Looking North)

## **Appendix B**

### **Copies of the Soil Manifests**

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	25.86	20129	Tons	
			25.66	

## Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-23-01  
 Signature Date Shipped

## TRANSPORTER

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452

Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies

#9306/WILLIAM CREEK  
 Name of Authorized Agent

William Creek 2-23-01  
 Signature Date Delivered

## DISPOSAL FACILITY

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050

Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Eulene 2/23/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135160  
Date/Time In: 23 February 2001 11:23  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 9306\*\*14001  
Contract: 20129

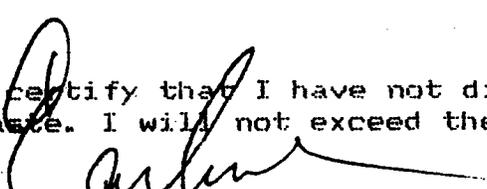
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ATLANTA, GA 30346

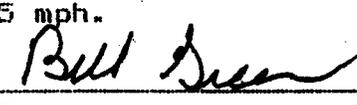
00 Gross Weight 80,100.00 LB  
Tare Weight 28,780.00 LB  
Net Weight 51,320.00 LB 25.66 TN

Quantity	Unit	Description	Rate	Total
25.66	TN	Contaminated Soil	\$24.00	\$615.84

Net Amount: \$615.84  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Wreckmaster: Earlene

  
Driver

**NON-HAZARDOUS WASTE MANIFEST**

**GENERATOR**

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	26.45	20129	Tons	
			27.16	
			<del>27.16</del>	

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. A. Kruzicki 02-23-01  
 Signature Date Shipped

**TRANSPORTER**

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452  
 Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies

#0064 Willie Juy  
 Name of Authorized Agent

Willie Juy 2-23-01  
 Signature Date Delivered

**DISPOSAL FACILITY**

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.  
Broadhurst  
 Name of Authorized Agent

Calbre 2/10/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135161  
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Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 0008\*\*14002  
Contract: 20129

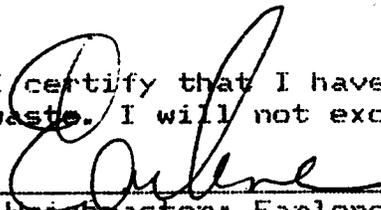
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ATLANTA, GA 30346

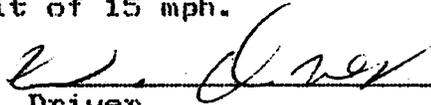
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Tare Weight 28,000.00 LB  
Net Weight 54,320.00 LB 27.16 TN

Quantity	Unit	Description	Rate	Total
27.16	TN	Contaminated Soil	\$24.00	\$651.84

Net Amount: \$651.84  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Earlene

  
Driver

**NON-HAZARDOUS WASTE MANIFEST**

**GENERATOR**

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	26.62	20129	Tons	
			26.58	

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-23-01  
 Signature Date Shipped

**TRANSPORTER**

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452  
 Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies

# 0610/ Thacker Roger  
 Name of Authorized Agent

Roger Thacker 2/23/01  
 Signature Date Delivered

**DISPOSAL FACILITY**

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Carlene 2/23/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135178  
Date/Time In: 23 February 2001 12:41  
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Origin: Duval Co., FL  
Reference: 0010\*\*14003  
Contract: 20129

000128

CCI

115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -

ATLANTA, GA 30346

00 Gross Weight 81,120.00 LB  
Tare Weight 27,960.00 LB  
Net Weight 53,160.00 LB 26.58 TN

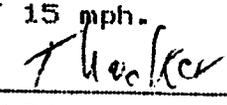
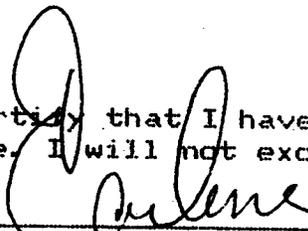
Quantity	Unit	Description	Rate	Total
26.58	TN	Contaminated Soil	\$24.00	\$637.92

Net Amount: \$637.92

Tendered: \$0.00

Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.



\_\_\_\_\_  
Weighmaster: Earlene

\_\_\_\_\_  
Driver

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	22.2	20129	Tons	
			22.52	

## Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-23-01  
 Signature Date Shipped

## TRANSPORTER

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452  
 Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies  
#9708 / Mark Bryant Mark Bryant 2-23-01  
 Name of Authorized Agent Signature Date Delivered

## DISPOSAL FACILITY

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31545  
 I hereby acknowledge receipt of the above described materials.  
Broadhurst Carlene 2/23/01  
 Name of Authorized Agent Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135191  
Date/Time In: 23 February 2001 1:15 p  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 9708\*\*14004  
Contract: 20129

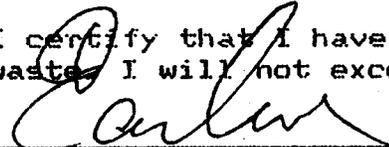
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115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -  
ATLANTA, GA 30346

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Tare Weight 27,400.00 LB  
Net Weight 45,040.00 LB 22.52 TN

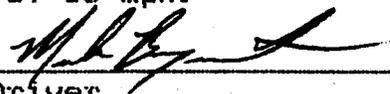
Quantity	Unit	Description	Rate	Total
22.52	TN	Contaminated Soil	\$24.00	\$540.48

Net Amount: \$540.48  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.



\_\_\_\_\_  
Weighmaster: Earlene



\_\_\_\_\_  
Driver

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	24.44	20129	Tons	
			24.95	

## Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. A. Kruzicki 02-23-01  
 Signature Date Shipped

## TRANSPORTER

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452

Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies

# 9312/Todd Lankford  
 Name of Authorized Agent

Todd Lankford 2-23-01  
 Signature Date Delivered

## DISPOSAL FACILITY

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050

Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Carlene 2/23/01  
 Signature Date Received

Broadhurst Environmental  
4000 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135190  
Date/Time In: 23 February 2001 1:14 pm  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 9312\*\*14005  
Contract: 20129

000120

CCI

115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -

ATLANTA, GA 30346

00 Gross Weight 78,800.00 LB  
Tare Weight 28,900.00 LB  
Net Weight 49,900.00 LB 24.95 TN

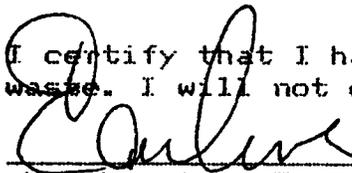
Quantity	Unit	Description	Rate	Total
24.95	TN	Contaminated Soil	\$24.00	\$598.80

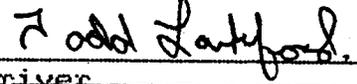
Net Amount: \$598.80

Tendered: \$0.00

Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Earlene

  
Driver

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	29.3	20129	Tons	
			29.18	

## Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-23-01  
 Signature Date Shipped

## TRANSPORTER

Transporter Name: Beaver Bulk, Inc.

DOT#: 0254452

Address: P.O. Box 417, Live Oak, FL 32060

Truck Number: Varies

#6008/  
Joe Ross  
 Name of Authorized Agent

Joe Ross 2/23/01  
 Signature Date Delivered

## DISPOSAL FACILITY

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050

Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Carlene 2/23/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135179  
Date/Time In: 23 February 2001 12:47  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 0008\*\*14006  
Contract: 20129

000128  
CCI

115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound

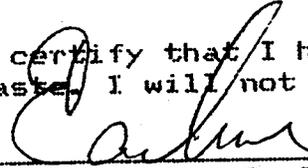
ATLANTA, GA 30346

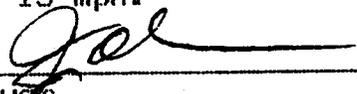
00 Gross Weight 86,440.00 LB  
Tare Weight 28,080.00 LB  
Net Weight 58,360.00 LB 29.18 TN

Quantity	Unit	Description	Rate	Total
29.18	TN	Contaminated Soil	\$24.00	\$700.32

Net Amount: \$700.32  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Earlene

  
Driver

**NON-HAZARDOUS WASTE MANIFEST**

**GENERATOR**

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	24.56	20129	Tons	
			24.24	

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-23-01  
 Signature Date Shipped

**TRANSPORTER**

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452  
 Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies

# 9702 / Adam DeRoux  
 Name of Authorized Agent

Adam DeRoux 02-23-01  
 Signature Date Delivered

**DISPOSAL FACILITY**

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Carlene 2/23/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135192  
Date/Time In: 23 February 2001 1:21 pm  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 9702\*\*14007  
Contract: 20129

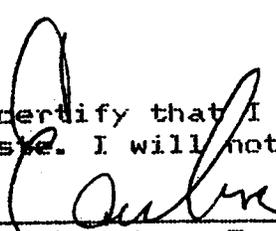
000128  
CCI  
115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -  
ATLANTA, GA 30346

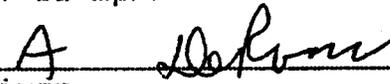
00 Gross Weight 76,220.00 LB  
Tare Weight 27,740.00 LB  
Net Weight 48,480.00 LB 24.24 TN

Quantity	Unit	Description	Rate	Total
24.24	TN	Contaminated Soil	\$24.00	\$581.76

Net Amount: \$581.76  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Earlene

  
Driver

**NON-HAZARDOUS WASTE MANIFEST**

**GENERATOR**

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	24.94	20129	Tons	
			25.84	

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-23-01  
 Signature Date Shipped

**TRANSPORTER**

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452  
 Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies

#0004/  
William Tvey  
 Name of Authorized Agent

William Tvey 2-23-01  
 Signature Date Delivered

**DISPOSAL FACILITY**

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Carlene 2/23/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135231  
Date/Time In: 23 February 2001 4:32 p  
Vehicles: CCI  
Origin: Duval Co., FL  
Reference: 0004\*\*41008  
Contract: 20129

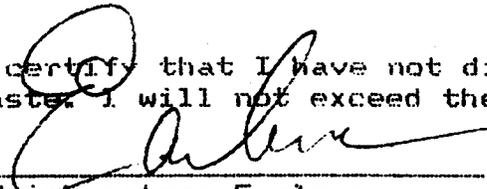
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CCI  
115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -  
ATLANTA, GA 30346

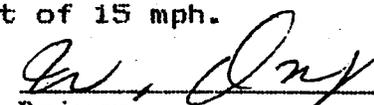
00 Gross Weight 79,460.00 LB  
Tare Weight 27,780.00 LB  
Net Weight 51,680.00 LB 25.84 TN

Quantity	Unit	Description	Rate	Total
25.84	TN	Contaminated Soil	\$24.00	\$620.16

Net Amount: \$620.16  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Earlene

  
Driver

**NON-HAZARDOUS WASTE MANIFEST**

**GENERATOR**

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	30.42	20129	Tons	
			31.58	

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-26-01  
 Signature Date Shipped

**TRANSPORTER**

9704 Transporter Name: Beaver Bulk, Inc.  
 Address: P.O. Box 417, Live Oak, FL 32060  
# WILLIAM GREEN  
 Name of Authorized Agent

DOT#: 0254452  
 Truck Number: Varies  
William Green 2-26-01  
 Signature Date Delivered

**DISPOSAL FACILITY**

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials

Broadhurst  
 Name of Authorized Agent

Carlene 2/26/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135348  
Date/Time In: 26 February 2001 10:56 a  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 9706\*\*14009  
Contract: 20129

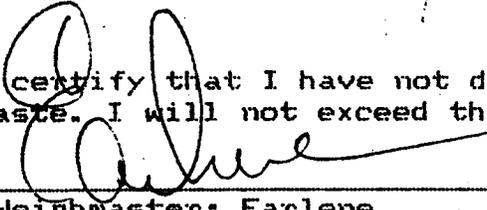
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CCI  
115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -  
ATLANTA, GA 30346

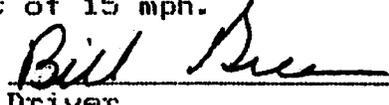
00 Gross Weight 88,520.00 LB  
Tare Weight 26,360.00 LB  
Net Weight 62,160.00 LB 31.08 TN

Quantity	Unit	Description	Rate	Total
31.08	TN	Contaminated Soil	\$24.00	\$745.92

Net Amount: \$745.92  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Earlene

  
Driver

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	22.81	<del>20129</del>	Tons	
Concrete		20129		
			23.64	

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki  
 Signature Date Shipped

## TRANSPORTER

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452  
 Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies  
 0504 Willie Ivey Willie Ivey 2-26-01  
 Name of Authorized Agent Signature Date Delivered

## DISPOSAL FACILITY

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31545  
 I hereby acknowledge receipt of the above described materials.  
Broadhurst Carlene 2/26/01  
 Name of Authorized Agent Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135336  
Date/Time In: 26 February 2001 10:27  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: CONCRETE (0004\*\*14010)  
Contract: 20129

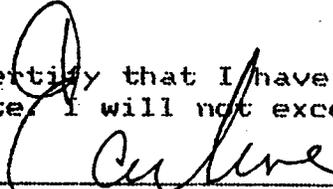
000128  
CCI  
115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -  
ATLANTA, GA 30346

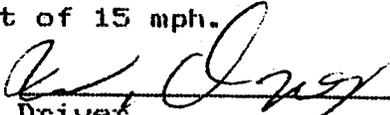
00 Gross Weight 75,060.00 LB  
Tare Weight 27,780.00 LB  
Net Weight 47,280.00 LB 23.64 TN

Quantity	Unit	Description	Rate	Total
23.64	TN	Contaminated Soil	\$24.00	\$567.36

Net Amount: \$567.36  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Earlene

  
Driver

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	27.38	20129	Tons	
			27.95	

## Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-26-01  
 Signature Date Shipped

## TRANSPORTER

9708  
 Transporter Name: Beaver Bulk, Inc.  
 Address: P.O. Box 417, Live Oak, FL 32060  
Mark Bryant  
 Name of Authorized Agent

DOT#: 0254452  
 Truck Number: Varies  
Mark Bryant 2-26-01  
 Signature Date Delivered

## DISPOSAL FACILITY

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31547

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Carlene 2/26/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135369  
Date/Time In: 26 February 2001 11:39  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 9708-14011  
Contract: 20129

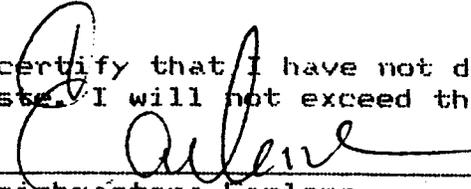
000128  
CCI  
115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -  
ATLANTA, GA 30346

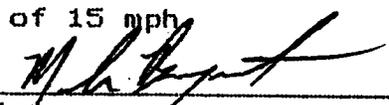
00 Gross Weight 83,300.00 LB  
Tare Weight 27,400.00 LB  
Net Weight 55,900.00 LB 27.95 TN

Quantity	Unit	Description	Rate	Total
27.95	TN	Contaminated Soil	\$24.00	\$670.80

Net Amount: \$670.80  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Earlene

  
Driver

**NON-HAZARDOUS WASTE MANIFEST**

**GENERATOR**

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	19.54	20129	Tons	
			20.22	

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 62-26-01  
 Signature Date Shipped

**TRANSPORTER**

9312

Transporter Name: Beaver Bulk, Inc.

DOT#: 0254452

Address: P.O. Box 417, Live Oak, FL 32060

Truck Number: Varies

Todd Lankford  
 Name of Authorized Agent

Todd Lankford 2-26-01  
 Signature Date Delivered

**DISPOSAL FACILITY**

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050

Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Eulene 2/16/01  
 Signature Date Received

Broadhurst Environmental  
4000 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135363  
Date/Time In: 26 February 2001 11:25  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 9312\*\*14012  
Contract: 20129

000128  
CCI

115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -

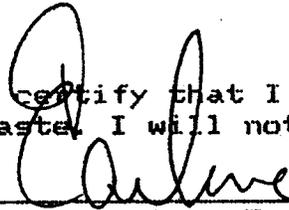
ATLANTA, GA 30346

00 Gross Weight 69,340.00 LB  
Tare Weight 28,900.00 LB  
Net Weight 40,440.00 LB 20.22 TN

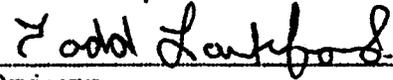
Quantity	Unit	Description	Rate	Total
20.22	TN	Contaminated Soil	\$24.00	\$485.28

Net Amount: \$485.28  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.



Weinharter: Earlene



Driver

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	21.92	20129	Tons	
			21.87	

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-26-01  
 Signature Date Shipped

## TRANSPORTER

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452  
 Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies

(904) Steven Jones  
 Name of Authorized Agent

Steven Jones 2-26-01  
 Signature Date Delivered

## DISPOSAL FACILITY

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Carlene 2/26/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135367  
Date/Time In: 26 February 2001 11:16  
Vehicle: CCI  
Origin: Duval Co., FL  
References: 9704\*\*14013  
Contract: 20129

000128  
CCI  
115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -

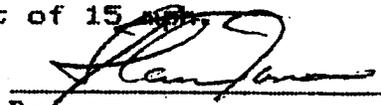
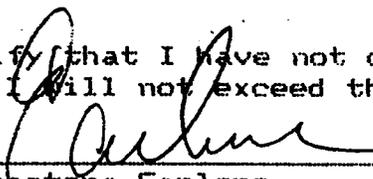
ATLANTA, GA 30346

00 Gross Weight 72,560.00 LB  
Tare Weight 28,820.00 LB  
Net Weight 43,740.00 LB 21.87 TN

Quantity	Unit	Description	Rate	Total
21.87	TN	Contaminated Soil	\$24.00	\$524.88

Net Amount: \$524.88  
Tendered: \$0.00  
Changes:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.



Weighmaster: Earlene

Driver

**NON-HAZARDOUS WASTE MANIFEST**

**GENERATOR**

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	25.61	20129	Tons	
			26.31	

**Special Handling Instructions**

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. A. Kruzicki 02-26-01  
 Signature Date Shipped

**TRANSPORTER**

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452  
 Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies

<sup>L194</sup> William R. Olson  
 Name of Authorized Agent

Willard Olson 2-26-01  
 Signature Date Delivered

**DISPOSAL FACILITY**

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Carlene 2/26/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135389  
Date/Time In: 26 February 2001 1:05 p  
Vehicle: CCI  
Origin: Duval Co., FL  
References: 194\*\*14014  
Contract: 20129

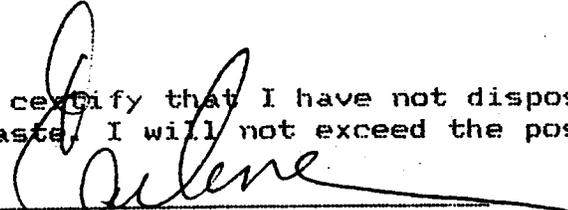
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CCI  
115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -  
ATLANTA, GA 30346

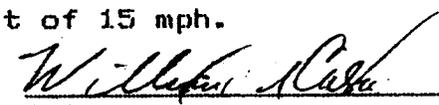
00 Gross Weight 01,120.00 LB  
Tare Weight 20,500.00 LB  
Net Weight 52,620.00 LB 26.31 TN

Quantity	Unit	Description	Rate	Total
26.31	TN	Contaminated Soil	\$24.00	\$631.44

Net Amount: \$631.44  
Tendered: \$0.00  
Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Earlene

  
Driver

## NON-HAZARDOUS WASTE MANIFEST

## GENERATOR

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	19.94	20129	Tons	
			20.29	

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-26-01  
 Signature Date Shipped

## TRANSPORTER

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452

Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies

9402  
Timothy W Cline  
 Name of Authorized Agent

Timothy W Cline 02-26-01  
 Signature Date Delivered

## DISPOSAL FACILITY

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050

Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Carlene 2/26/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135405  
Date/Time In: 26 February 2001 1:44 p  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 9402\*\*14015  
Contract: 20129

000128

CCI

115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -

ATLANTA, GA 30346

00 Gross Weight 68,600.00 LB  
Tare Weight 28,020.00 LB  
Net Weight 40,580.00 LB 20.29 TN

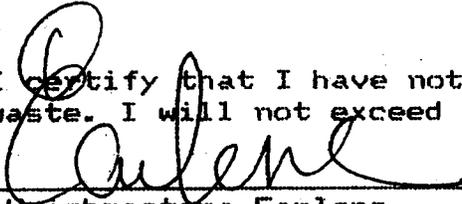
Quantity	Unit	Description	Rate	Total
20.29	TN	Contaminated Soil	\$24.00	\$486.96

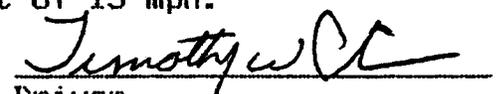
Net Amount: \$486.96

Tendered: \$0.00

Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Earlene

  
Driver

**NON-HAZARDOUS WASTE MANIFEST**

**GENERATOR**

Generator Name: U.S. Navy US EPA ID#: \_\_\_\_\_  
 Billing Address: CH2M Hill, 115 Perimeter Center Place, NE Suite 700, Atlanta, GA 30346  
 Site Address: NAS-Cecil Field, Jacksonville, FL  
 County of Origin: Duval Phone: (904) 777-8850

Description of Waste	Total Quantity	Profile Number	Unit of Measure	Container Type
Contaminated Soil	12.14	20129	Tons	
			13.17	

Special Handling Instructions

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Dave Kruzicki  
 Generator Authorized Agent Name

D. J. Kruzicki 02-26-01  
 Signature Date Shipped

**TRANSPORTER**

Transporter Name: Beaver Bulk, Inc. DOT#: 0254452  
 Address: P.O. Box 417, Live Oak, FL 32060 Truck Number: Varies

Willie Tvey  
 Name of Authorized Agent

Willie Tvey 2-26-01  
 Signature Date Delivered

**DISPOSAL FACILITY**

Site Name: Broadhurst Environmental, Inc. Phone: 912-530-7050  
 Address: 4800 Broadhurst Road West, Jesup, Georgia 31545

I hereby acknowledge receipt of the above described materials.

Broadhurst  
 Name of Authorized Agent

Eulene 2/26/01  
 Signature Date Received

Broadhurst Environmental  
4800 Broadhurst Rd W  
Screven GA 31560  
Phone (912) 530-7050

Ticket: 135437  
Date/Time In: 26 February 2001 3:24 p  
Vehicle: CCI  
Origin: Duval Co., FL  
Reference: 0004\*\*14016  
Contract: 20129

000128  
CCI

115 PERIMETER CENTER PLACE NE, SUITE 700 Inbound -

ATLANTA, GA 30346

00 Gross Weight 54,120.00 LB  
Tare Weight 27,780.00 LB  
Net Weight 26,340.00 LB 13.17 TN

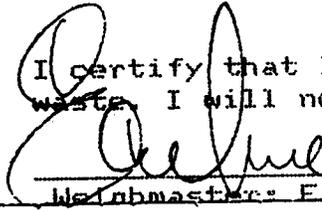
Quantity	Unit	Description	Rate	Total
13.17	TN	Contaminated Soil	\$24.00	\$316.08

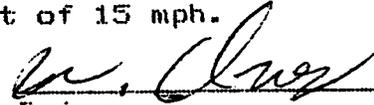
Net Amount: \$316.08

Tendered: \$0.00

Change:

I certify that I have not disposed of any liquid or hazardous waste. I will not exceed the posted speed limit of 15 mph.

  
Weighmaster: Easley

  
Driver

## **Appendix C**

### **Certificate of Disposal**



Southwest  
Waste  
Systems

### CERTIFICATE OF DISPOSAL

This letter is to certify that all wastes received from CCI on behalf of the US Navy on the following dates were landfilled in accordance with all state and federal regulations.

Manifest Numbers  
14001-14016

Tonnage  
390.66

Date  
2/23/01-2/26/01

Disposal Method was D-81 (Subtitle D Landfill)

BROADHURST ENVIRONMENTAL, INC.

Donna Davis-Harrell  
Donna Davis-Harrell

3/2/01  
Date

## **Appendix D**

### **Clean Fill Material Analytical Report**

**CH2M Hill Constructors, Inc.**

115 Perimeter Center Place, Suite 700  
 Atlanta, GA 30346-1278  
 Tel No (770) 604-9182 ; Fax No (770) 604-9282

**CHAIN-OF-CUSTODY RECORD**

COC NUMBER

**148799-16**

PROJECT NAME:	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No. , and Fax No.):
NAS Cecil Field	148799	Columbia Analytical Labs, Inc. Tom Kissinger	Jennifer Zimmerman, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 Fax: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No. , and Fax No.):
Offsite Backfill Analysis	CTO 005		Jeff Wilmoth, CCI	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.561 FAX:604-9282
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:	PH (904) 739-2277 FAX (904)-739-2011	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No. , and Fax No.):
Bill Canelos	PH (904) 777-4812 FAX (904) 777-4262			

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	ANALYSES REQUIRED (Include Method Numbers)										SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
								8270-SIMS	8270-Vols											
1	005-BF01-S-0221-01	Coxwell's Crystal Springs Pit	soil	02/21/01	11:00	III/C	3 Day	x										grab	DL spec provided by J Wilmoth	
2	005-DUP01-S-0221-01	Coxwell's Crystal Springs Pit	soil	02/21/01	11:00	III/C	3 Day	x										grab	DL spec provided by J Wilmoth	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

SAMPLER(S) AND COMPANY: (please print) Bill Canelos, CCI/JAJES	COURIER AND SHIPPING NUMBER: sampler transport samples to Columbia Analytical Labs	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
---	---	---

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Bill Canelos, CCI/JAJES	2/21/01		Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

005-BF01- S-0221-01
------------------------

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: J2100508-001

Sample wt/vol: 30.1 (g/mL) G Lab File ID: 0221-24

Level: (low/med) LOW Date Received: 02/21/01

% Moisture: 0 decanted: (Y/N) N Date Extracted: 02/21/00

Concentrated Extract Volume: 1 (mL) Date Analyzed: 02/21/01

Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	UG/KG	Q
91-20-3	Naphthalene	3.6	U
91-57-6	2-Methylnaphthalene	3.6	U
208-96-8	Acenaphthylene	3.6	U
83-32-9	Acenaphthene	3.6	U
86-73-7	Fluorene	3.6	U
85-01-8	Phenanthrene	3.6	U
120-12-7	Anthracene	3.6	U
206-44-0	Fluoranthene	3.6	U
129-00-0	Pyrene	3.6	U
56-55-3	Benz (a) anthracene	3.6	U
218-01-9	Chrysene	3.6	U
205-99-2	Benzo (b) fluoranthene	3.6	U
207-08-9	Benzo (k) fluoranthene	3.6	U
50-32-8	Benzo (a) pyrene	3.6	U
193-39-5	Indeno (1,2,3-cd) pyrene	3.6	U
53-70-3	Dibenz (a,h) anthracene	3.6	U
191-24-2	Benzo (g,h,i) perylene	3.6	U
90-12-0	1-Methylnaphthalene	3.6	U

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

005-DUP01 -S-0221-01
-------------------------

Lab Name: COLUMBIA ANALYTICAL SERVI Contract: NA

Lab Code: Case No.: NA SAS No.: NA SDG No.: NA

Matrix: (soil/water) SOIL Lab Sample ID: J2100508-002

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 0221-25

Level: (low/med) LOW Date Received: 02/21/01

% Moisture: 0 decanted: (Y/N) N Date Extracted: 02/21/00

Concentrated Extract Volume: 1 (ml) Date Analyzed: 02/22/01

Injection Volume: \_\_\_\_\_ (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
91-20-3-----	Naphthalene	3.6	U
91-57-6-----	2-Methylnaphthalene	3.6	U
208-96-8-----	Acenaphthylene	3.6	U
83-32-9-----	Acenaphthene	3.6	U
86-73-7-----	Fluorene	3.6	U
85-01-8-----	Phenanthrene	3.6	U
120-12-7-----	Anthracene	3.6	U
206-44-0-----	Fluoranthene	3.6	U
129-00-0-----	Pyrene	3.6	U
56-55-3-----	Benz (a) anthracene	3.6	U
218-01-9-----	Chrysene	3.6	U
205-99-2-----	Benzo (b) fluoranthene	3.6	U
207-08-9-----	Benzo (k) fluoranthene	3.6	U
50-32-8-----	Benzo (a) pyrene	3.6	U
193-39-5-----	Indeno (1,2,3-cd) pyrene	3.6	U
53-70-3-----	Dibenz (a,h) anthracene	3.6	U
191-24-2-----	Benzo (g,h,i) perylene	3.6	U
90-12-0-----	1-Methylnaphthalene	3.6	U





Environmental Conservation Laboratories, Inc.  
4810 Executive Park Court, Suite 211  
Jacksonville, Florida 32216-6069  
904 / 296-3007  
Fax 904 / 296-6210  
www.encolabs.com



DHRS Certification No. E82277

CLIENT : TASK Environmental  
ADDRESS: 501 South Blvd.  
Tampa, FL 33606

REPORT # : JAX14577  
DATE SUBMITTED: December 4, 2000  
DATE REPORTED : December 7, 2000

PAGE 1 OF 6

ATTENTION: Mr. Chris Cherniak

**SAMPLE IDENTIFICATION**

Samples submitted and  
identified by client as:

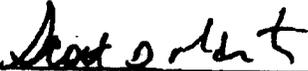
PROJECT #: 149152

NTFF Removal

12/04/00

#1 - CFNT-WC-CLEANFILL @ 10:00

PROJECT MANAGER

  
Scott D. Martin

## ENCO LABORATORIES

REPORT # : JAX14577  
 DATE REPORTED: December 7, 2000  
 REFERENCE : 149152  
 PROJECT NAME : NTFP Removal

PAGE 2 OF 6

## RESULTS OF ANALYSIS

<u>EPA METHOD 8270 - TCL Semivolatiles</u>	<u>CFNT-WC-CLEANFILL</u>	<u>LAB BLANK</u>	<u>Units</u>
Acenaphthene	360 U	330 U	µg/Kg
Acenaphthylene	360 U	330 U	µg/Kg
Anthracene	360 U	330 U	µg/Kg
Benzo(a)anthracene	360 U	330 U	µg/Kg
Benzo(b)fluoranthene	360 U	330 U	µg/Kg
Benzo(k)fluoranthene	360 U	330 U	µg/Kg
Benzo(g,h,i)perylene	360 U	330 U	µg/Kg
Benzo(a)pyrene	360 U	330 U	µg/Kg
Benzylbutyl phthalate	360 U	330 U	µg/Kg
Bis(2-chloroethoxy)methane	360 U	330 U	µg/Kg
Bis(2-chloroethyl)ether	360 U	330 U	µg/Kg
Bis(2-chloroisopropyl)ether	360 U	330 U	µg/Kg
Bis(2-ethylhexyl)phthalate	360 U	330 U	µg/Kg
4-Bromophenylphenyl ether	360 U	330 U	µg/Kg
2-Chloronaphthalene	360 U	330 U	µg/Kg
Carbazole	360 U	330 U	µg/Kg
4-Chlorophenyl phenyl ether	360 U	330 U	µg/Kg
Chrysene	360 U	330 U	µg/Kg
Dibenzo(a,h)anthracene	360 U	330 U	µg/Kg
1,2-Dichlorobenzene	360 U	330 U	µg/Kg
1,3-Dichlorobenzene	360 U	330 U	µg/Kg
1,4-Dichlorobenzene	360 U	330 U	µg/Kg
3,3'-Dichlorobenzidine	710 U	660 U	µg/Kg

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : JAX14577  
 DATE REPORTED: December 7, 2000  
 REFERENCE : 149152  
 PROJECT NAME : NTFP Removal

PAGE 3 OF 6

RESULTS OF ANALYSIS

EPA METHOD 8270 (cont.) -  
TCL Semivolatiles

	<u>CFMT-WC-CLEANFILL</u>	<u>LAB BLANK</u>	<u>Units</u>
Diethyl phthalate	360 U	330 U	µg/Kg
Dimethyl phthalate	360 U	330 U	µg/Kg
Di-n-butyl phthalate	360 U	330 U	µg/Kg
Di-n-octyl phthalate	360 U	330 U	µg/Kg
2,4-Dinitrotoluene	360 U	330 U	µg/Kg
2,6-Dinitrotoluene	360 U	330 U	µg/Kg
Fluoranthene	360 U	330 U	µg/Kg
Fluorene	360 U	330 U	µg/Kg
Hexachlorobenzene	360 U	330 U	µg/Kg
Hexachlorobutadiene	360 U	330 U	µg/Kg
Hexachlorocyclopentadiene	360 U	330 U	µg/Kg
Hexachloroethane	360 U	330 U	µg/Kg
Indeno (1,2,3-cd) pyrene	360 U	330 U	µg/Kg
Isophorone	360 U	330 U	µg/Kg
2-Methylnaphthalene	360 U	330 U	µg/Kg
Naphthalene	360 U	330 U	µg/Kg
Nitrobenzene	360 U	330 U	µg/Kg
N-Nitrosodi-n-propylamine	360 U	330 U	µg/Kg
N-Nitrosodiphenylamine	360 U	330 U	µg/Kg
Phenanthrene	360 U	330 U	µg/Kg
Pyrene	360 U	330 U	µg/Kg
1,2,4-Trichlorobenzene	360 U	330 U	µg/Kg
4-Chloroaniline	360 U	330 U	µg/Kg
2-Nitroaniline	360 U	330 U	µg/Kg

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : JAX14577  
 DATE REPORTED: December 7, 2000  
 REFERENCE : 149152  
 PROJECT NAME : NTFF Removal

PAGE 4 OF 6

RESULTS OF ANALYSIS

EPA METHOD 8270 (cont.) -  
TCL Semivolatiles

	<u>CFNT-WC-CLEANFILL</u>	<u>LAB BLANK</u>	<u>Units</u>
3-Nitroaniline	360 U	330 U	µg/Kg
4-Nitroaniline	360 U	330 U	µg/Kg
Dibenzofuran	360 U	330 U	µg/Kg
4-Chloro-3-methylphenol	360 U	330 U	µg/Kg
2-Chlorophenol	360 U	330 U	µg/Kg
2,4-Dichlorophenol	360 U	330 U	µg/Kg
2,4-Dimethylphenol	360 U	330 U	µg/Kg
2,4-Dinitrophenol	1800 U	1600 U	µg/Kg
2-Methyl-4,6-dinitrophenol	1100 U	990 U	µg/Kg
2-Nitrophenol	360 U	330 U	µg/Kg
4-Nitrophenol	360 U	330 U	µg/Kg
Pentachlorophenol	360 U	330 U	µg/Kg
Phenol	360 U	330 U	µg/Kg
2,4,6-Trichlorophenol	360 U	330 U	µg/Kg
2-Methylphenol	360 U	330 U	µg/Kg
3 & 4-Methylphenol	360 U	330 U	µg/Kg
2,4,5-Trichlorophenol	360 U	330 U	µg/Kg
<u>Surrogate:</u>	<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
Nitrobenzene -D5	46	41	30-106
2-Fluorobiphenyl	61	57	38-107
Terphenyl -D14	75	72	29-131
Phenol -D5	40	42	12-87
2-Fluorophenol	38	42	19-115
2,4,6-Tribromophenol	43	39	35-126
Date Prepared	12/06/00	12/06/00	
Date Analyzed	12/06/00	12/06/00	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES  
 REPORT # : JAX14577  
 DATE REPORTED: December 7, 2000  
 REFERENCE : 149152  
 PROJECT NAME : NIFF Removal

PAGE 5 OF 6

RESULTS OF ANALYSIS

<u>MISCELLANEOUS</u>	<u>METHOD</u>	<u>CFNT-WC-CLEANFILL</u>	<u>LAB BLANK</u>	<u>Units</u>
Percent Solids	SM2540G	93	NA	%
Date Analyzed		12/06/00		
<u>EPA METHOD FLPRO - PETROL. RESIDUAL ORG.</u>		<u>CFNT-WC-CLEANFILL</u>	<u>LAB BLANK</u>	<u>Units</u>
Hydrocarbons (C8-C40)		7.1 U	6.6 U	mg/Kg
<u>Surrogate:</u>		<u>% RECOV</u>	<u>% RECOV</u>	<u>LIMITS</u>
o-Terphenyl		86	109	51-148
Date Prepared		12/05/00	12/05/00	
Date Analyzed		12/06/00	12/06/00	

U = Compound was analyzed for but not detected to the level shown.

**ENCO LABORATORIES**

**REPORT #** : JAX14577  
**DATE REPORTED**: December 7, 2000  
**REFERENCE** : 149152  
**PROJECT NAME** : NTFF Removal

PAGE 6 OF 6

**QUALITY CONTROL DATA**

<u>Parameter</u>	<u>% RECOVERY MS/MSD/LCS</u>	<u>ACCEPT LIMITS</u>	<u>% RPD MS/MSD</u>	<u>ACCEPT LIMITS</u>
<u>EPA Method 8270</u>				
Phenol	45/ 44/ 42	30-135	2	38
2-Chloropheno-	56/ 56/ 50	46-133	<1	38
1,4-Dichlorobenzene	57/ 54/ 49	31-123	5	33
N-Nitrosodi-N-Propylamine	44/ 43/ 41	26-112	2	29
1,2,4-Trichlorobenzene	65/ 60/ 46	37-131	8	20
4-Chloro-3-methylphenol	64/ 58/ 45	46-133	10	38
Acenaphthene	68/ 63/ 53	39-135	8	29
4-Nitrophenol	67/ 65/ 57	10-97	3	68
2,4-Dinitrotoluene	75/ 74/ 57	39-137	1	32
Pentachlorophenol	60/ 60/ 39	10-133	<1	41
Pyrene	79/ 76/ 53	39-160	4	37
<u>PETROL. RESIDUAL ORG.</u>				
Hydrocarbons (C8-C40)	76/ 89/ 83	62-204	16	25

Environmental Conservation Laboratories Comprehensive QA Plan #910190

- < = Less Than
- MS = Matrix Spike
- MSD = Matrix Spike Duplicate
- LCS = Laboratory Control Standard
- RPD = Relative Percent Difference

This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

CHAIN OF CUSTODY RECORD



**ANALYTICAL SERVICES, INC.**  
 ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS  
 110 TECHNOLOGY PARKWAY NORCROSS, GA 30092  
 (770) 734-4200 : FAX (770) 734-4201 : www.asi-lab.com

V S3

PAGE: 1 OF 1

CLIENT NAME: <u>Tim-Pren Inc.</u>					N O F C O N T A I N E R S ↓	ANALYSIS REQUESTED										L A B I D N U M B E R ↓	FOR LAB USE ONLY				
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: <u>5700 ... 770-266-4784</u> <u>Baldwin FL 32234 770-266-4108</u>																	LAB #: <u>124935</u>				
ATTENTION: <u>Mike Stokes</u> CC:																	QUOTE #:				
REQUESTED COMPLETION DATE: <u>ASAP</u> PO #: <u>7353</u>																	*MATRIX CODES:				
PROJECT NAME/STATE: <u>Coxwell Pit</u>																	DW - DRINKING WATER    S - SOIL WW - WASTEWATER        SL - SLUDGE GW - GROUNDWATER       SD - SOLID SW - SURFACE WATER      A - AIR ST - STORM WATER        O - OIL L - LIQUID                    P - PRODUCT				
PROJECT #:															REMARKS/ADDITIONAL INFORMATION						
DATE	TIME	MATRIX CODE*	C O M P	G R A B	SAMPLE IDENTIFICATION																
7-20-00	2:15	S		/	North Area											COMPLETED @ ASI by [unclear]					
7-20-00	2:25	S		/	South Area																
7-20-00	2:35	S		/	East Area																
7-20-00	2:45	S		/	West Area																
SAMPLED BY AND TITLE: <u>SOE D. B. ...</u>					DATE/TIME: <u>7/20 2:13 pm</u>					RELINQUISHED BY:					DATE/TIME:					COC/CUSTODY SEAL: <input checked="" type="checkbox"/>	
RECEIVED BY:					DATE/TIME:					RELINQUISHED BY:					DATE/TIME:					ICE: <u>NO</u>	
RECEIVED BY:					DATE/TIME:					RELINQUISHED BY:					DATE/TIME:					pH: <u>N/A</u>	
RECEIVED BY LAB: <u>...</u>					DATE/TIME: <u>7-20-00</u>					SAMPLE SHIPPED VIA: UPS FED-EX / COURIER / CLIENT / OTHER:					TEMPERATURE:						
ENTERED INTO LIMS:					COC REVIEWED:					AIR BILL #: <u>...</u>					COOLER #:					SAMPLE CONDITION:	

-17 hours 15 minutes



# ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis

110 Technology Parkway Norcross, GA 30092

(770) 734-4200 FAX (770) 734-4201

**FAXED**  
*U.S. 70-0003*

**Laboratory Report**

Report Number: **124935**

Project: **Coxwell Pit**

Prepared For:

**Tim-Prep Inc.**  
**540 West Mill Street**  
**Baldwin, FL 32234**

Attention: **Mr. Michael Stokes**

August 8, 2000

P.O. No. 7353

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

*Shari Harper*  
Project Manager

*Kathryn Smith*  
Quality Assurance

Analytical Services Inc., Norcross Laboratory maintains the following certifications, approvals, and accreditations: Georgia Laboratory Certification No.'s: 812/351/1301; Alabama Laboratory I.D. No.: 41090; Arkansas Certification; California Laboratory Certification No.: 2290; Connecticut Laboratory I.D. No.: PH-0250; Florida Certification No.'s: 87403/E87315 and Florida QA Plan No.: 910158G; National Sanitation Foundation International Certification No.: 04180; North Carolina Certification No.: 381; North Dakota Certification No.: R-116; Oklahoma Laboratory I.D. 9907; South Carolina Laboratory I.D. No.: 98011; Tennessee Laboratory I.D. No.: 02994; United States Army Corps of Engineers-MRD Certification; USDA Soil Import License No.: S-36027; and Virginia Laboratory I.D. No.: 00026. All analysis performed by or under the supervision of a Georgia Drinking Water or Wastewater Certified Analyst. Analyst certification numbers available upon request.



# ANALYTICAL SERVICES, INC.

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## Laboratory Report

Tim-Prep Inc.  
540 West Mill Street  
Baldwin, FL 32234

Attention: Mr. Michael Stokes  
Report No. 124935

P.O. No. 7353  
August 8, 2000

### Sample Description

Tim-Prep Inc.

Soil, grab. Coxwell Pit, North\South\East\West Areas. 07/20/2000. received 07/21/2000

### Analytical

Method	Analyte	Result	Detection Limit	Units
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#### General Chemistry

EPA 9045	pH (laboratory)	5.34E	-	
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#### Target Analyte List - Metals

#### Metals

EPA 6010	Total Aluminum (Al)	2900	10	mg/kg
EPA 6010	Total Antimony (Sb)	BDL	5.0	mg/kg
EPA 7060	Total Arsenic (As)	BDL	3.0	mg/kg
EPA 6010	Total Barium (Ba)	BDL	1.0	mg/kg
EPA 6010	Total Beryllium (Be)	BDL	1.0	mg/kg
EPA 6010	Total Cadmium (Cd)	BDL	1.0	mg/kg
EPA 6010	Total Calcium (Ca)	300	5.0	mg/kg
EPA 6010	Total Chromium (Cr)	3.1	1.0	mg/kg
EPA 6010	Total Cobalt (Co)	BDL	4.0	mg/kg
EPA 6010	Total Copper (Cu)	3.1	2.0	mg/kg
EPA 6010	Total Iron (Fe)	78	10	mg/kg
EPA 6010	Total Lead (Pb)	BDL	5.0	mg/kg
EPA 6010	Total Magnesium (Mg)	14	5.0	mg/kg
EPA 6010	Total Manganese (Mn)	BDL	4.0	mg/kg
EPA 7471	Total Mercury (Hg)	BDL	0.25	mg/kg
EPA 6010	Total Nickel (Ni)	BDL	2.0	mg/kg
EPA 6010	Total Potassium (K)	24	20	mg/kg
EPA 7740	Total Selenium (Se)	BDL	4.0	mg/kg
EPA 6010	Total Silver (Ag)	BDL	1.0	mg/kg
EPA 6010	Total Sodium (Na)	280	5.0	mg/kg
EPA 7841	Total Thallium (Tl)	BDL	5.0	mg/kg

BDL - Below Detection Limit  
E - Estimated concentration

**Sample Description**

Tim-Prep Inc.

Soil, grab, Coxwell Pit, North\South\East\West Areas, 07/20/2000, received 07/21/2000

Analytical Method	Analyte	Result	Detection Limit	Units
EPA 6010	Total Vanadium (V)	BDL	2.0	mg/kg
EPA 6010	Total Zinc (Zn)	12	2.0	mg/kg

**Target Compound List****Volatile Organics**

EPA 8260B	Acetone	BDL	10	ug/kg
EPA 8260B	Benzene	BDL	10	ug/kg
EPA 8260B	Bromodichloromethane	BDL	10	ug/kg
EPA 8260B	Bromoform	BDL	10	ug/kg
EPA 8260B	Bromomethane	BDL	10	ug/kg
EPA 8260B	2-Butanone	BDL	10	ug/kg
EPA 8260B	Carbon disulfide	BDL	10	ug/kg
EPA 8260B	Carbon tetrachloride	BDL	10	ug/kg
EPA 8260B	Chlorobenzene	BDL	10	ug/kg
EPA 8260B	Chloroethane	BDL	10	ug/kg
EPA 8260B	Chloroform	BDL	10	ug/kg
EPA 8260B	Chloromethane	BDL	10	ug/kg
EPA 8260B	Dibromochloromethane	BDL	10	ug/kg
EPA 8260B	1,1-Dichloroethane	BDL	10	ug/kg
EPA 8260B	1,2-Dichloroethane	BDL	10	ug/kg
EPA 8260B	1,1-Dichloroethene	BDL	10	ug/kg
EPA 8260B	1,2-Dichloroethene (total)	BDL	10	ug/kg
EPA 8260B	1,2-Dichloropropane	BDL	10	ug/kg
EPA 8260B	cis-1,3-Dichloropropene	BDL	10	ug/kg
EPA 8260B	trans-1,3-Dichloropropene	BDL	10	ug/kg
EPA 8260B	Ethylbenzene	BDL	10	ug/kg
EPA 8260B	2-Hexanone	BDL	10	ug/kg
EPA 8260B	4-Methyl-2-pentanone	BDL	10	ug/kg
EPA 8260B	Methylene chloride	BDL	10	ug/kg
EPA 8260B	Styrene	BDL	10	ug/kg
EPA 8260B	1,1,2,2-Tetrachloroethane	BDL	10	ug/kg
EPA 8260B	Tetrachloroethene	BDL	10	ug/kg
EPA 8260B	Toluene	BDL	10	ug/kg
EPA 8260B	1,1,1-Trichloroethane	BDL	10	ug/kg
EPA 8260B	1,1,2-Trichloroethane	BDL	10	ug/kg
EPA 8260B	Trichloroethene	BDL	10	ug/kg
EPA 8260B	Vinyl chloride	BDL	10	ug/kg
EPA 8260B	Xylenes	BDL	10	ug/kg

**Pesticides**

BDL - Below Detection Limit

E - Estimated concentration

**Sample Description**

Tim-Prep Inc.

Soil, grab, Coxwell Pit. North\South\East\West Areas, 07/20/2000, received 07/21/2000

Analytical Method	Analyte	Result	Detection Limit	Units
EPA 8081A	Aldrin	BDL	3.3	ug/kg
EPA 8081A	BHC-alpha	BDL	3.3	ug/kg
EPA 8081A	BHC-beta	BDL	3.3	ug/kg
EPA 8081A	BHC-delta	BDL	3.3	ug/kg
EPA 8081A	BHC-gamma (Lindane)	BDL	3.3	ug/kg
EPA 8081A	Chlordane-alpha	BDL	3.3	ug/kg
EPA 8081A	Chlordane-gamma	BDL	3.3	ug/kg
EPA 8081A	4,4'-DDD	BDL	3.3	ug/kg
EPA 8081A	4,4'-DDE	BDL	3.3	ug/kg
EPA 8081A	4,4'-DDT	BDL	3.3	ug/kg
EPA 8081A	Dieldrin	BDL	3.3	ug/kg
EPA 8081A	Endosulfan I	BDL	3.3	ug/kg
EPA 8081A	Endosulfan II	BDL	3.3	ug/kg
EPA 8081A	Endosulfan sulfate	BDL	3.3	ug/kg
EPA 8081A	Endrin	BDL	3.3	ug/kg
EPA 8081A	Endrin aldehyde	BDL	3.3	ug/kg
EPA 8081A	Endrin ketone	BDL	3.3	ug/kg
EPA 8081A	Heptachlor	BDL	3.3	ug/kg
EPA 8081A	Heptachlor epoxide	BDL	3.3	ug/kg
EPA 8081A	Methoxychlor	BDL	9.9	ug/kg
EPA 8081A	Toxaphene	BDL	66	ug/kg
<b>PCB's</b>				
EPA 8082	PCB 1016	BDL	33	ug/kg
EPA 8082	PCB 1221	BDL	33	ug/kg
EPA 8082	PCB 1232	BDL	33	ug/kg
EPA 8082	PCB 1242	BDL	33	ug/kg
EPA 8082	PCB 1248	BDL	33	ug/kg
EPA 8082	PCB 1254	BDL	33	ug/kg
EPA 8082	PCB 1260	BDL	33	ug/kg
<b>Chlorinated Herbicides</b>				
EPA 8151A	2,4-D	BDL	170	ug/kg
EPA 8151A	2,4-DB	BDL	30	ug/kg
EPA 8151A	2,4,5-T	BDL	4.0	ug/kg
EPA 8151A	2,4,5-TP (Silvex)	BDL	330	ug/kg
EPA 8151A	Dalapon	BDL	150	ug/kg
EPA 8151A	Dicamba	BDL	26	ug/kg
EPA 8151A	Dichloroprop	BDL	35	ug/kg
EPA 8151A	Dinoseb	BDL	130	ug/kg

BDL - Below Detection Limit

E - Estimated concentration

**Sample Description**

Tim-Prep Inc.

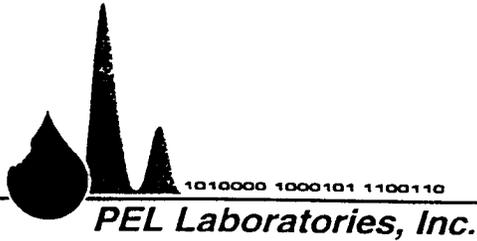
Soil, grab. Coxwell Pit, North\South\East\West Areas. 07/20/2000, received 07/21/2000

<b>Analytical Method</b>	<b>Analyte</b>	<b>Result</b>	<b>Detection Limit</b>	<b>Units</b>
EPA 8151A	MCPA	BDL	5000	ug/kg
EPA 8151A	MCPD	BDL	3800	ug/kg

BDL - Below Detection Limit  
E - Estimated concentration

## **Appendix E**

### **Soil Waste Characterization Analytical Report**



Customer Name: CH2MHILL  
Date & Time Received: 1-27-01, 10:10 AM  
Date Reported: 2-9-01  
PEL Submission Number: 2101235  
Project: NAS Cecil Field

**Samples:** The submission consisted of 5 sample with sample identification shown in the attached data tables.

**Tests:** The sample was analyzed for EPA method: TCLP 8260, TCLP 8270, TCLP Pest., TCLP Herb., TCLP Metals, PRO, 8082, 8081, Ignitability, Corrosivity, and Reactivity.

**Results:** See the attached data tables for results.

**Distribution of Reports:**

1-CH2MHILL —  
Attn: Jennifer Zimmerman  
Phone: (904) 777-4812

2-CH2M HILL  
Attn: Jeff Wilmoth  
Phone: (770) 604-9182 —

Respectfully Submitted,

*Brian Spann*  
Brian Spann  
Laboratory Manager  
PEL Laboratories, Inc.

Note: Submitted material will be retained for 30 days unless otherwise requested by client or consumed in analysis. PEL letters and reports are for the exclusive use of the client to whom they are addressed. Our letters and reports apply to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar materials.

# VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.  
00539WC01S0126

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field

Lab Code: PEL Case No. \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No.: 2101235

Matrix: WATER Lab Sample ID 210123501 Lab File ID 23501.D

Sample wt/vol: 5 Units: ML Date Received: 1/27/01

Concentrated Extract Volume: \_\_\_\_\_ Date Extracted: \_\_\_\_\_

Level:(low/med) LOW Date Analyzed: 1/30/01 Time: 5:28 AM

Percent Solids: 0 decanted: \_\_\_\_\_ Dilution Factor: 10

Extraction: PURGETRAP Station ID PSC 39 Method: 8260\_TCLP

GPC Cleanup: ( Y/N ) \_\_\_\_\_ pH: \_\_\_\_\_

GC Column: DB-624 ID: 0.18 (mm)

## TCLP Analysis

CONCENTRATION UNITS: *MGL*

CAS NO.	ANALYTE	RESULT	Q
75-01-4	Vinyl chloride	0.5	U ✓
75-35-4	1,1-Dichloroethene	1	U ✓
78-93-3	2-Butanone (MEK)	200	U ✓
67-66-3	Chloroform	10	U ✓
56-23-5	Carbon tetrachloride	1	U ✓
71-43-2	Benzene	1	U ✓
107-06-2	1,2-Dichloroethane	1	U ✓
79-01-6	Trichloroethene	1	U ✓
127-18-4	Tetrachloroethylene	7	U ✓
108-90-7	Chlorobenzene	200	U ✓

# SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.  
00539WC01S0126

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field

Lab Code: PEL Case No. \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No.: 2101235

Matrix: WATER Lab Sample ID 210123501 Lab File ID 235-01.D

Sample wt/vol: 500 Units: ML Date Received: 1/27/01

Concentrated Extract Volume: 1 Date Extracted: 1/30/01

Level:(low/med) LOW Date Analyzed: 1/31/01 Time: 6:10 PM

PercentSolids: 0 decanted : \_\_\_\_\_ Dilution Factor: 1

Extraction: SEPF Station ID PSC 39 Method: 8270\_TCLP

GPC Cleanup : ( Y/N ) N pH: \_\_\_\_\_

GC Column: HPMS-5 ID: 0.25 (mm)

## TCLP Analysis

CONCENTRATION UNITS: *MGL*

CAS NO.	ANALYTE	RESULT	Q
110-86-1	Pyridine	0.01	U ✓
106-46-7	1,4-Dichlorobenzene	0.01	U ✓
95-48-7	2-Methylphenol	0.01	U ✓
67-72-1	Hexachloroethane	0.01	U ✓
782-06-0	3/4-Methylphenol	0.01	U ✓
98-95-3	Nitrobenzene	0.01	U ✓
87-68-3	Hexachlorobutadiene	0.01	U ✓
88-06-2	2,4,6-Trichlorophenol	0.01	U ✓
95-95-4	2,4,5-Trichlorophenol	0.01	U ✓
121-14-2	2,4-Dinitrotoluene	0.02	U ✓
118-74-1	Hexachlorobenzene	0.01	U ✓
87-86-5	Pentachlorophenol	0.04	U ✓

# PESTICIDE ORGANIC ANALYSIS DATA SHEET

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field EPA Sample No. 00539WC01S0126  
 Lab Code: PEL Case No. \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No.: 2101235  
 Matrix: WATER Lab Sample ID 210123501 Lab File ID 235-01T.D  
 Sample wt/vol: 500 Units: ML Date Received: 1/27/01  
 Concentrated Extract Volume: 10 Date Extracted: 1/31/01  
 Level:(low/med) LOW Date Analyzed: 2/5/01 Time: 6:25 PM  
 PercentSolids: 0 decanted: \_\_\_\_\_ Dilution Factor: 1  
 Extraction: SEPF Station ID PSC 39 Method: 8081\_TCLP  
 GPC Cleanup : ( Y/N ) N pH: \_\_\_\_\_  
 GC Column: XTI-5 & RTX-1701 ID: 0.53 (mm)

## TCLP Analysis

CONCENTRATION UNITS: *MG/L*

CAS NO.	ANALYTE	RESULT	Q
58-89-9	Gamma-BHC (Lindane)	0.0001	U ✓
76-44-8	Heptachlor	0.0001	U -
1024-57-3	Heptachlor epoxide	0.0001	U ✓
72-20-8	Endrin	0.0001	U ✓
72-43-5	Methoxychlor	0.0001	U ✓
57-74-9	Chlordane	0.02	U ✓
8001-35-2	Toxaphene	0.02	U ✓

# HERBICIDE ORGANIC ANALYSIS DATA SHEET

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field EPA Sample No. 00539WC01S0126  
 Lab Code: PEL Case No. \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No.: 2101235  
 Matrix: WATER Lab Sample ID 210123501 Lab File ID 23501.D  
 Sample wt/vol: 500 Units: ML Date Received: 1/27/01  
 Concentrated Extract Volume: 10 Date Extracted: 1/30/01  
 Level:(low/med) LOW Date Analyzed: 2/2/01 Time: 2:40 AM  
 PercentSolids: 0 decanted: \_\_\_\_\_ Dilution Factor: 1  
 Extraction: SEPF Station ID PSC 39 Method: 8151\_TCLP  
 GPC Cleanup : ( Y/N ) N pH: \_\_\_\_\_  
 GC Column: XTI-5 & RTX-1701 ID: 0.53 (mm)

## TCLP Analysis

CONCENTRATION UNITS: MGL

CAS NO.	ANALYTE	RESULT	Q
94-75-7	2,4-D	0.0005	U ✓
93-72-1	2,4,5-TP (Silvex)	0.0005	U ✓

# PESTICIDE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field 00539WC01S0126

Lab Code: PEL Case No. \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No.: 2101235

Matrix: SOIL Lab Sample ID 210123501 Lab File ID 235-01.D

Sample wt/vol: 33.19 Units: G Date Received: 1/27/01

Concentrated Extract Volume: 10 Date Extracted: 1/31/01

Level:(low/med) LOW Date Analyzed: 2/5/01 Time: 1:31 PM

PercentSolids: 81 decanted : \_\_\_\_\_ Dilution Factor: 1

Extraction: SONC Station ID PSC 39 Method: 8081

GPC Cleanup : ( Y/N ) N pH: \_\_\_\_\_

GC Column: XTI-5 & RTX-1701 ID: 0.53 (mm)

CONCENTRATION UNITS: ug/Kg

CAS NO.	ANALYTE	RESULT	Q
319-84-6	Alpha-BHC	1.9	U
319-85-7	Beta-BHC	1.9	U
319-86-8	Delta-BHC	1.9	U
58-89-9	Gamma-BHC (Lindane)	1.9	U
76-44-8	Heptachlor	1.9	U
309-00-2	Aldrin	1.9	U
1024-57-3	Heptachlor epoxide	1.9	U
959-98-8	Endosulfan I	1.9	U
60-57-1	Dieldrin	1.9	U
72-55-9	4,4'-DDE	1.9	U
72-20-8	Endrin	1.9	U
33213-65-9	Endosulfan II	1.9	U
72-54-8	4,4'-DDD	1.9	U
1031-07-8	Endosulfan sulfate	1.9	U
50-29-3	4,4'-DDT	1.9	U
72-43-5	Methoxychlor	1.9	U
7421-93-4	Endrin aldehyde	1.9	U
5103-71-9	Alpha-Chlordane	1.9	U
5103-74-2	Gamma-Chlordane	1.9	U
53494-70-5	Endrin Ketone	1.9	U
8001-35-2	Toxaphene	373	U

# PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.  
00539WC01S0126

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field

Lab Code: PEL Case No. \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No.: 2101235

Matrix: SOIL Lab Sample ID 210123501 Lab File ID 23501.D

Sample wt/vol: 33.19 Units: G Date Received: 1/27/01

Concentrated Extract Volume: 10 Date Extracted: 1/31/01

Level:(low/med) LOW Date Analyzed: 2/3/01 Time: 4:12 AM

PercentSolids: 81 decanted : \_\_\_\_\_ Dilution Factor: 1

Extraction: SONC Station ID PSC 39 Method: 8082

GPC Cleanup : ( Y/N ) N pH: \_\_\_\_\_

GC Column: XTI-5 & RTX-1701 ID: 0.53 (mm)

CONCENTRATION UNITS: ug/Kg

CAS NO.	ANALYTE	RESULT	Q
12674-11-2	Aroclor 1016	37	U
11096-82-5	Aroclor 1260	71 .071	
11104-28-2	Aroclor 1221	37	U
11141-16-5	Aroclor 1232	37	U
53469-21-9	Aroclor 1242	37	U
12672-29-6	Aroclor 1248	37	U
11097-69-1	Aroclor 1254	37	U

# FL-PRO ORGANIC ANALYSIS DATA SHEET

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field EPA Sample No. 00539WC01S0126  
 Lab Code: PEL Case No. \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No.: 2101235  
 Matrix: SOIL Lab Sample ID 210123501 Lab File ID 235-01.D  
 Sample wt/vol: 25.22 Units: G Date Received: 1/27/01  
 Concentrated Extract Volume: 2 Date Extracted: 1/30/01  
 Level:(low/med) LOW Date Analyzed: 2/2/01 Time: 8:58 AM  
 PercentSolids: 81 decanted : \_\_\_\_\_ Dilution Factor: 1  
 Extraction: SONC Station ID PSC 39 Method: FL-PRO  
 GPC Cleanup : ( Y/N ) N pH: \_\_\_\_\_  
 GC Column: RTX-5 ID: 0.53 (mm)

CONCENTRATION UNITS: *mg/Kg*

CAS NO.	ANALYTE	RESULT	Q
5289290-40-0	Total Petroleum Hydrocarbons	11	U

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

Lab Name: PEL Laboratories, Inc. Contract: Cecil Field 00539WC01S0126  
 Lab Code: PEL Case No. \_\_\_\_\_ SAS No: \_\_\_\_\_ SDG No.: 2101235  
 Matrix: SOIL Lab Sample ID 210123501  
 Level:(low/med) LOW Date Received: 1/27/01  
 PercentSolids: 0

CONCENTRATION UNITS: mg/L

**TCLP Analysis**

CAS NO.	ANALYTE	Concentration	C	Q	M
7440-38-2	Arsenic	1 ✓	U		P
7440-39-3	Barium	3.36 ✓	J		P
7440-43-9	Cadmium	0.2 ✓	U		P
7440-47-3	Chromium	1 ✓	U		P
7439-92-1	Lead	1 ✓	U		P
7439-97-6	Mercury	0.04 ✓	U		CV
7782-49-2	Selenium	0.2 ✓	U		P
7440-22-4	Silver	1 ✓	U		P

Color Before: \_\_\_\_\_ Clarity Before: \_\_\_\_\_ Texture : \_\_\_\_\_

Color After : \_\_\_\_\_ Clarity After: \_\_\_\_\_ Artifacts: \_\_\_\_\_

Comments:

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Lab ID	Client ID	Instrument	pH	RPD
pH 4.00 HACH A0144	pH 4.00 HACH A0144	ORION	3.93	
pH 7.00 HACH A0291	pH 7.00 HACH A0291	ORION	6.97	
pH 10.00 HACH A0124	pH 10.00 HACH A0124	ORION	9.97	
RICCA LCS IS1120	RICCA LCS IS1120	ORION	7.04	
210123501	00539WC01S0126	ORION	6.36	
210123502	00537WC01S0126	ORION	7.17	
210123503	00537WC02S0126	ORION	6.26	
210123504	00537WC03S0126	ORION	7.26	
210123506	00537WC04S0126	ORION	6.71	
210123506 DUP	00537WC04S0126 DUP	ORION	6.67	0.64
pH 7.00 HACH A0291	pH 7.00 HACH A0291	ORION	7.02	
RICCA LCS IS1120	RICCA LCS IS1120	ORION	7.00	

## EPA 1010 Flash Point

Date: 1/30/01

Time: 16:30:00

Tech.: JEM

Room Temperature: 75F

Pressure: 760mm HG

Sample	Matrix	Initial Temp. (F)	Final Temp. (F)	Result	Comment	RPD
P-XYLENE	WATER	73	79	FLASH	99% RECOVERY	
210123501	SOIL	72	>200 ✓	NA	Sample didn't flash	
210123502	SOIL	80	170 ✓	FLASH	VAPOR IGNITED	
210123502Dup	SOIL	82	180 ✓	FLASH	VAPOR IGNITED	5.71
210123503	SOIL	85	>200 ✓	NA	Sample didn't flash	
210123504	SOIL	84	>200 ✓	NA	Sample didn't flash	
210123506	SOIL	80	>200 ✓	NA	Sample didn't flash	
<b>NA: Sample did not flash</b>						

QC: P-XYLENE IS1286 TV=81F +/- 2

Thermometer HB96822

## ANALYTICAL REPORT

PEL 8809  
 JORGE ALWOOD  
 4420 PENDOLA POINT ROAD  
 TAMPA, FL 33619

Lab Number: 01-A12042  
 Sample ID: 005-39-WC-01-S-0126-01  
 Sample Type: Soil  
 Site ID:

Project: 2101-235  
 Project Name:  
 Sampler:

Date Collected: 1/26/01  
 Time Collected: 11:30  
 Date Received: 1/30/01  
 Time Received: 9:00

Analyte	Result	Units	Report Limit	Quan Limit	Dil Factor	Date	Time	Analyst	Method	Batch
<b>*GENERAL CHEMISTRY PARAMETERS*</b>										
% Dry Weight	81.0	%			1	1/30/01	8:35	D.Yeager	CLP	2906
Reactive Cyanide	ND	mg/kg	25.0	25.0	1	1/31/01	10:15	Hardcastle	SW-846	2904
Reactive Sulfide	ND	mg/kg	50.0	50.0	1	1/31/01	10:15	Hardcastle	SW-846	2904
	Comment					1/31/01		P.Lane		3674

Reactivity results determined from total determination Methods 9012 & 9034.

ND - Not detected at the report limit.

# - Recovery outside Laboratory historical limits.

All metal and organic results have been corrected for dry weight.

Sample report continued . . .

## ANALYTICAL REPORT

Laboratory Number: 01-A12042  
Sample ID: 005-39-WC-01-S-0126-01  
Project: 2101-235  
Page 2

These results relate only to the items tested.  
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By: *Paul E. Lane, Jr.*

Report Date: 1/31/01

Paul E. Lane, Jr., Lab Director  
Michael H. Dunn, M.S., Technical Director  
Johnny A. Mitchell, Dir. Technical Serv.  
Eric S. Smith, Assistant Technical Director

Gail A. Lage, Technical Serv.  
Glenn L. Norton, Technical Serv.  
Kelly S. Comstock, Technical Serv.  
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: HRS-E87358

End of Sample Report.

CH2M Hill Constructors, Inc.

115 Perimeter Center Place, Suite 700  
Atlanta, GA 30346-1378  
Tel No (770) 604-9182 ; Fax No (770) 604-9282

CHAIN-OF-CUSTODY RECORD

2101-235 BP

C JMBER

148799-9

PROJECT NAME	PROJECT NUMBER:	LAB NAME AND CONTACT:	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 1 (Name and Company)	RECIPIENT 1 (Address, Tel No., and Fax No.):
NAS Cecil Field	148799	PEL Laboratories, Inc. Darcy Weisman	Jennifer Zimmerman, CCI/J.A. Jones	6219 Authority Avenue, Jacksonville, FL 32215 PH: 904-777-4812 Fax: 904-777-4262
PROJECT PHASE/SITE/TASK:	CTO OR DO NUMBER:	LAB PO NUMBER:	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 2 (Name and Company)	RECIPIENT 2 (Address, Tel No., and Fax No.):
Grey Sites III Soil Waste Characterization	CTO 005	2533	Jeff Wilmoth, CCI	115 Perimeter Center Place, N.E. Suite 700 Atlanta, GA 30346 (770)604-9182 Ext.561 FAX:604-9282
PROJECT CONTACT:	PROJECT TEL NO AND FAX NO:	PH (813) 247-2805 FAX (813)-248-1537	FAX AND MAIL REPORTS/EDD TO: RECIPIENT 3 (Name and Company)	RECIPIENT 3 (Address, Tel No., and Fax No.):
Bill Canelos	PH (904) 777-4812 FAX (904) 777-4262			

ITEM	SAMPLE IDENTIFIER	SAMPLE DESCRIPTION/LOCATION	MATRIX (see codes on back)	DATE COLLECTED	TIME COLLECTED	DATA PKG LEVEL (see codes on back)	TAT (calendar days)	ANALYSES REQUIRED (Include Method Numbers)													SAMPLE TYPE (see codes on back)	COMMENTS/ SCREENING READINGS	LAB ID
								1311/02/08 TCLP Vegetables	1311/02/09 TCLP Soil Vols	1311/02/11 TCLP Pest.	1311/01/14 TCLP Herb.	1311/01/19 TCLP Metals	FL PRO	Method 9032 PCBs	Method 1030 Fertilizability	Method 9045A Cyanide	Chapter 7.3 Reactivity						
1	005-39WC01-S-0126-01	PSC 39	soil	01/26/01	11:30	III/A	7 Day	x	x	x	x	x	x	x	x	x	x	x	x	Composite	sample is very wet note below 01	SCC	
2	005-37WC01-S-0126-01	Site 37	soil	01/26/01	13:30	III/A	7 Day	x	x	x	x	x	x	x	x	x	x	x	x	Composite		02	
3	005-37WC02-S-0126-01	Site 37	soil	01/26/01	14:00	III/A	7 Day	x	x	x	x	x	x	x	x	x	x	x	x	Composite		03	
4	005-37WC03-S-0126-01	Site 37	soil	01/26/01	14:45	III/A	7 Day	x	x	x	x	x	x	x	x	x	x	x	x	Composite		04	
5	005-37WC04-S-0126-01	Site 37	soil	01/26/01	15:20	III/A	7 Day	x	x	x	x	x	x	x	x	x	x	x	x	Composite		05	
6																							
7																					TEMPERATURE RECORDED N/A		
8																							
9																					* add total pest. to all samples 1/27/01.		
10																							

SAMPLER(S) AND COMPANY: (please print)	CARRIER AND SHIPPING NUMBER:	SAMPLES TEMPERATURE AND CONDITION UPON RECEIPT:
Dave Keul, Scott Sloan, CCI/JAJES	FedEx Tracking No. 7919-5661-2001 & 7926-5601-3514	For sample 005-39WC01-S-0126-01 Contact Jeff Wilmoth for Instructions

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Printed Name and Signature: Bill Canelos, CCI/JAJES	1/26/01	17:00	Printed Name and Signature: FedEx Tracking No. 7919-5661-2001 & 7926-5601-3514	1/26/01	17:00
Printed Name and Signature:			Printed Name and Signature: B. Paduani, B. Paduani	1/27/01	16:10