

APPENDIX A
INTERIM SOIL REMOVAL ACTION REPORT

**Interim Soil Removal Action Report
Former Washrack, Building 1740, Soldier's Chapel
Parcel 127(7)**

**Fort McClellan
Calhoun County, Alabama**

Prepared for:

**U.S. Army Corps of Engineers, Mobile District
109 St. Joseph Street
Mobile, Alabama 36602**

Prepared by:

**Shaw Environmental, Inc.
312 Directors Drive
Knoxville, Tennessee 37923**

**Task Order CK10
Contract No. DACA21-96-D-0018
Shaw Project No. 796887**

September 2004

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A1.0 Introduction

The Former Washrack, Building 1740, Soldier's Chapel, Parcel 127(7) is an approximately 2.7-acre parcel located off Halifax Avenue in the central portion of the Fort McClellan (FTMC) Main Post. Building 1740 (Soldier's Chapel) is located near the central portion of the parcel and faces Halifax Avenue (Figure A-1). Six washracks and a grease pit are located approximately 20 feet northwest of Building 1740 (Figure A-2). Building 1740 was reportedly used as a vehicle maintenance facility during the 1950s and 1960s. Vehicle maintenance was conducted inside Building 1740 and outside at the washracks and grease pit behind the building.

A site investigation (SI) was performed by Shaw Environmental, Inc. (formerly IT Corporation) to determine whether chemical constituents were present at the Former Washrack, Building 1740, Soldier's Chapel, Parcel 127(7), at concentrations that present an unacceptable risk to human health or the environment. Soil analytical results from the SI revealed that antimony, copper, lead, and mercury results were detected in soil at levels above their respective site-specific screening levels (SSSL). Additional soil sampling was performed at select locations to delineate the horizontal and vertical extent of the elevated metals concentrations in soil.

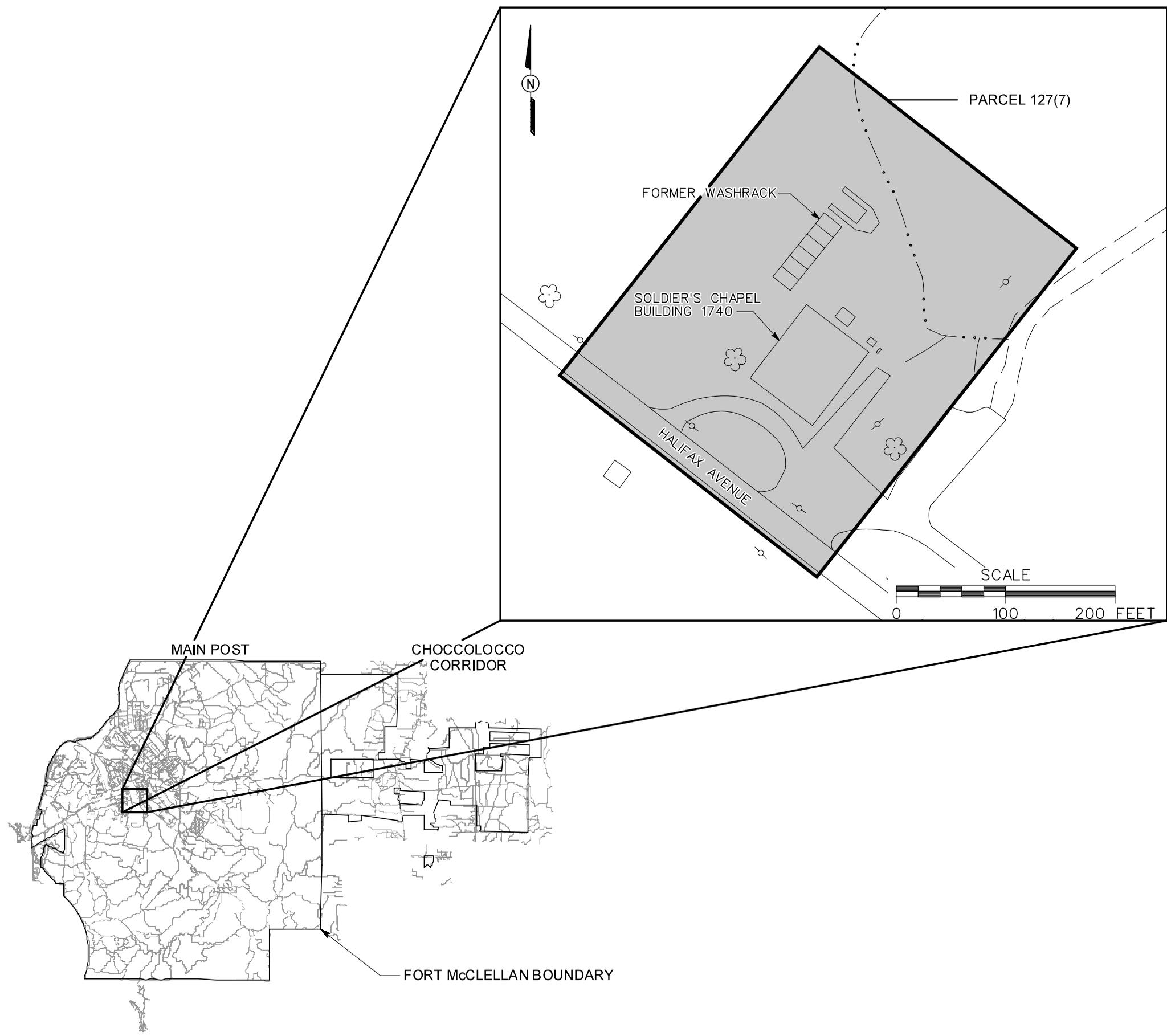
The horizontal extent of selected metals that exceeded SSSLs is presented on Figure A-3. The elevated lead and mercury results, and all but one copper result were confined to the surface and depositional soils. Hence, the vertical extent of the soil with elevated metals concentrations was primarily one foot below ground surface (bgs) or less. The one exception was a copper result which exceeded its SSSL in one subsurface soil sample (PPMP-127-GP17) collected from 2 to 2.5 feet bgs.

At the request of the Base Realignment and Closure (BRAC) Cleanup Team (BCT), an interim soil removal action was undertaken to remove the area of contaminated soils depicted on Figure A-3. Soil removal and confirmation sampling were conducted in accordance with the Final Remedial Work Plan and Final Site-Specific Safety and Health Plan for the Former Washrack, Building 1740, Soldier's Chapel, Parcel 127(7), which was prepared in October 2001.

This report summarizes the soil removal activities conducted at the Former Washrack, Building 1740, Soldier's Chapel, Parcel 127(7) including:

- Excavation of metals-contaminated soil
- Confirmation sampling
- Disposition of the excavated soil
- Site reclamation activities.

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 ENGR. CHCK. BY: J. JENKINS
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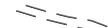
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-  PAVED ROAD AND PARKING
-  BUILDING
-  TREES / TREELINE
-  PARCEL BOUNDARY
-  SURFACE DRAINAGE / CREEK
-  UTILITY POLE

FIGURE A-1
SITE LOCATION MAP
FORMER WASHRACK
BUILDING 1740, SOLDIER'S CHAPEL
PARCEL 127(7)

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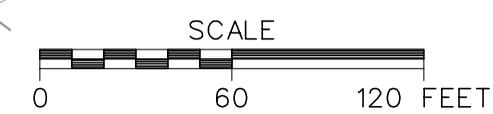
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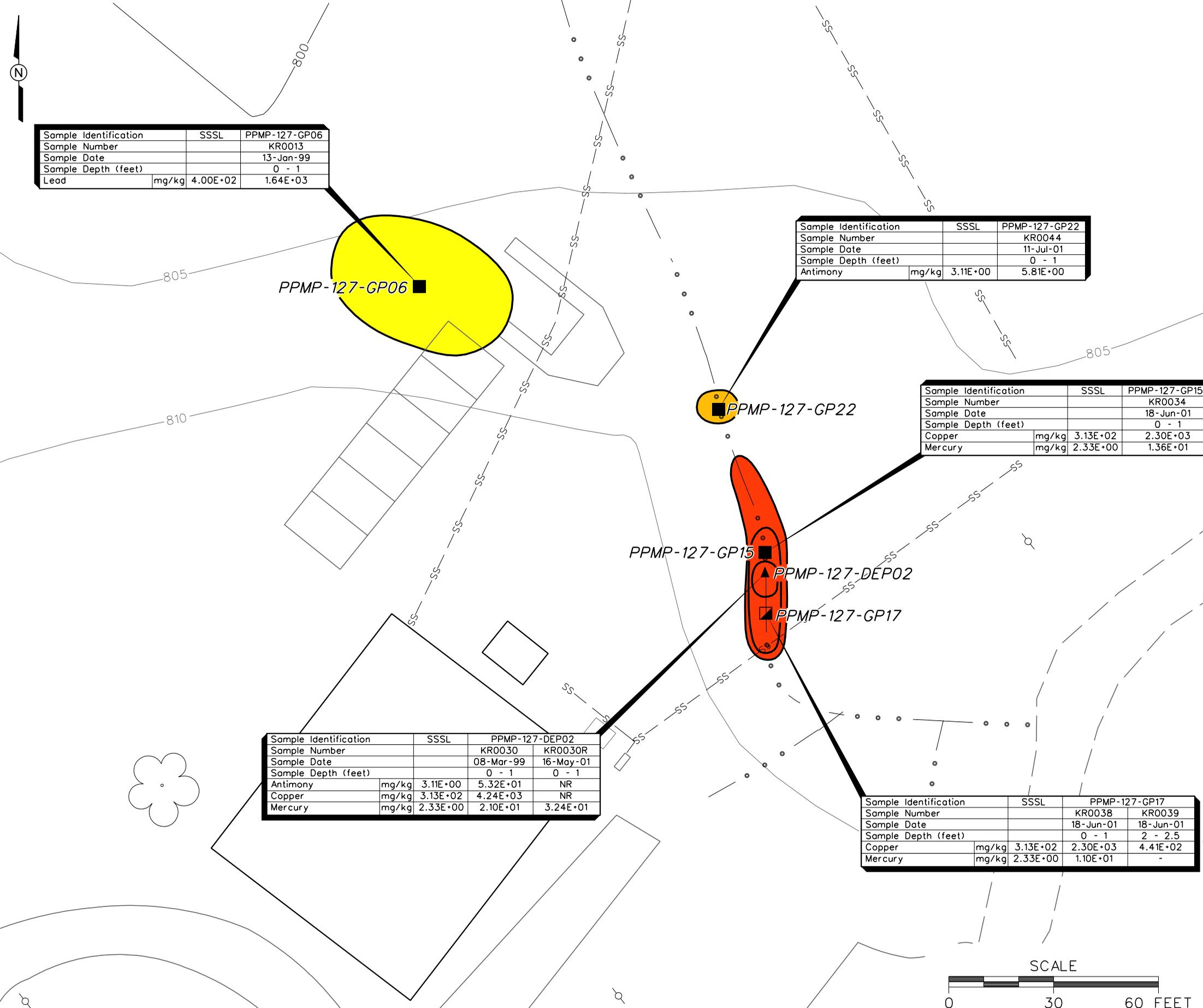
- LEGEND**
- UNIMPROVED ROAD
 - PAVED ROAD AND PARKING
 - BUILDING
 - TOPOGRAPHIC CONTOUR (CONTOUR INTERVAL - 5 FOOT)
 - TREES / TREELINE
 - PARCEL BOUNDARY
 - SURFACE DRAINAGE / CREEK
 - UTILITY POLE
 - SANITARY SEWER LINE

FIGURE A-2
SITE MAP
FORMER WASHRACK
BUILDING 1740, SOLDIER'S CHAPEL
PARCEL 127(7)

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Sample Identification	SSSL	PPMP-127-GP06
Sample Number		KR0013
Sample Date		13-Jan-99
Sample Depth (feet)		0 - 1
Lead	mg/kg	4.00E+02
		1.64E+03

Sample Identification	SSSL	PPMP-127-GP22
Sample Number		KR0044
Sample Date		11-Jul-01
Sample Depth (feet)		0 - 1
Antimony	mg/kg	3.11E+00
		5.81E+00

Sample Identification	SSSL	PPMP-127-GP15
Sample Number		KR0034
Sample Date		18-Jun-01
Sample Depth (feet)		0 - 1
Copper	mg/kg	3.13E+02
		2.30E+03
Mercury	mg/kg	2.33E+00
		1.36E+01

Sample Identification	SSSL	PPMP-127-DEP02
Sample Number		KR0030 KR0030R
Sample Date		08-Mar-99 16-May-01
Sample Depth (feet)		0 - 1 0 - 1
Antimony	mg/kg	3.11E+00
		5.32E+01
Copper	mg/kg	3.13E+02
		4.24E+03
Mercury	mg/kg	2.33E+00
		2.10E+01
		3.24E+01

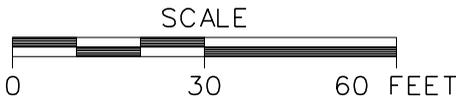
Sample Identification	SSSL	PPMP-127-GP17
Sample Number		KR0038 KR0039
Sample Date		18-Jun-01 18-Jun-01
Sample Depth (feet)		0 - 1 2 - 2.5
Copper	mg/kg	3.13E+02
		2.30E+03
Mercury	mg/kg	2.33E+00
		1.10E+01
		-

LEGEND

- UNIMPROVED ROAD
- PAVED ROAD AND PARKING
- BUILDING
- TOPOGRAPHIC CONTOUR (CONTOUR INTERVAL - 5 FOOT)
- SURFACE DRAINAGE / CREEK
- UTILITY POLE
- SANITARY SEWER LINE
- SURFACE SOIL SAMPLE LOCATION
- SURFACE AND SUBSURFACE SOIL SAMPLE LOCATION
- DEPOSITIONAL SOIL SAMPLE LOCATION
- SSSL SITE-SPECIFIC SCREENING LEVEL
- mg/kg MILLIGRAMS PER KILOGRAM
- NR NOT REQUESTED
- RESULT LESS THAN SSSL
- INTERPRETED AREA OF METALS EXCEEDING SSSLs IN SOIL:
- LEAD
- ANTIMONY
- COPPER
- MERCURY

FIGURE A-3
 HORIZONTAL EXTENT OF SELECT METALS EXCEEDING SSSLs IN SOIL FORMER WASHRACK BUILDING 1740, SOLDIER'S CHAPEL PARCEL 127(7)

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A2.0 Interim Soil Removal Activities

This section summarizes the interim soil removal activities at Parcel 127(7), including soil excavation and removal, confirmation sampling, waste transport and disposal, and site reclamation.

A2.1 Soil Removal

The areas to be excavated during the removal activities were based on the horizontal delineation of soil with concentrations of metals above SSSLs, as presented on Figure A-3. After consulting the local utility companies to identify any potential conflicts with excavation activities, the work area was cleared of brush and trees using a combination of brush cutters, chainsaws, and heavy equipment. All cleared vegetation debris was stockpiled onsite.

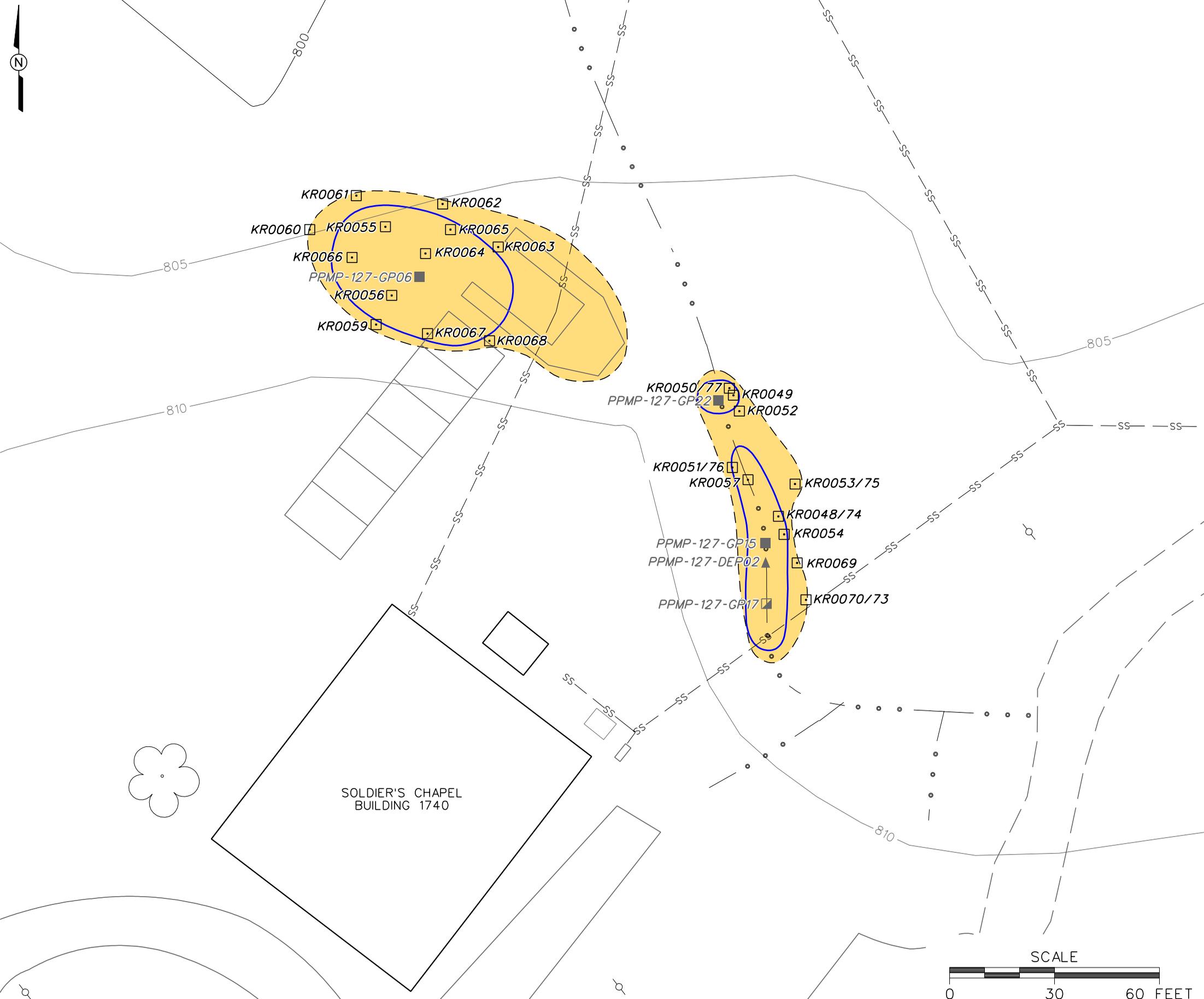
Soil was excavated in the areas identified on Figure A-4 to a depth of roughly 2 feet bgs. However, in order to gain access to one of the two areas of contaminated soil, the grease pit and a portion of the washrack had to be removed using a track excavator. Concrete debris removed from the grease pit and washrack was stockpiled on a concrete pad immediately adjacent to the washrack. The contaminated soil was excavated using the track excavator and placed into an off-road dump truck. The soil was hauled to an asphalt parking lot adjacent to Building 1740. The soil was stockpiled on, and covered with, 6-mil polyethylene sheeting that was secured for temporary storage to prevent run-on and run-off of stormwater.

A2.2 Confirmation Sampling

A total of 25 confirmation samples were collected after completion of the excavation. Twenty confirmation samples were collected on November 7 and 8, 2001, from the floor and sidewalls of the excavation. On June 19, 2002, five additional soil samples (sample numbers KR0073 through KR0077) were collected below and adjacent to the excavation near depositional soil sample location PPMP-127-DEP02 to confirm antimony concentrations in soils around this location. All confirmation samples were collected using a stainless-steel hand auger. Each confirmation sample location was flagged and surveyed using global positioning system. Figure A-4 shows the confirmation soil sample locations.

The 20 initial confirmation samples were analyzed for copper and lead using EPA Method 6010B and for mercury by EPA Method 7000. The five additional confirmation samples were analyzed for antimony using EPA Method 6010B. Review of the analytical results from the confirmation samples collected below and adjacent to the excavations revealed that antimony was not detected in the samples and copper, lead, and mercury concentrations were all below

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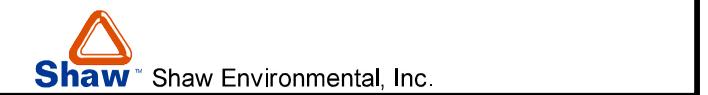
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- UTILITY POLE
- SANITARY SEWER LINE
- SURFACE SOIL SAMPLE LOCATION
- SURFACE AND SUBSURFACE SOIL SAMPLE LOCATION
- DEPOSITIONAL SOIL SAMPLE LOCATION
- CONFIRMATORY SOIL SAMPLE LOCATION
- APPROXIMATE LIMIT OF EXCAVATION
- HORIZONTAL EXTENT OF SELECT METALS EXCEEDING SSSLs IN SOIL

NOTE:

1. DEPTH OF EXCAVATION RANGED FROM 1 TO APPROXIMATELY 2 FEET BELOW ORIGINAL GROUND SURFACE.

FIGURE A-4
EXCAVATION LIMITS AND CONFIRMATORY SAMPLE LOCATIONS FORMER WASHRACK BUILDING 1740, SOLDIER'S CHAPEL PARCEL 127(7)

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SSSLs. Therefore, no further excavation was required. Table A-1 presents the analytical results for the confirmation sampling. Attachment A-1 contains the sample collection logs and chain-of-custody records and Attachment A-2 contains the summary of analytical data.

A2.3 Waste Transport and Disposal

A composite soil sample was collected from the excavated soil stockpile for waste characterization purposes. The waste characterization sample was analyzed for toxicity characteristic leaching procedure (TCLP) volatile organic compounds, semivolatile organic compounds, metals, pesticides, herbicides, and polychlorinated biphenyls as well as ignitability, reactivity, and pH. Based on the analytical results, the excavated soil was characterized as non-hazardous waste. A Generator Waste Profile Sheet (#F41 Y2 0511) was submitted to BFI, Inc. for the disposal of the material at their Subtitle D Sand Valley Landfill located in Collinsville, Alabama. Attachment A-3 contains the soil waste characterization analytical results, generator waste profile sheet, and waste manifest documentation.

After the waste characterization, Shaw mobilized a front-end loader and backhoe with a hoe-ram (hydraulic hammer) attachment. The hoe-ram was utilized to reduce the size of the concrete from the washrack and grease pit to a manageable size, which could be loaded onto an end dump trailer. The concrete and contaminated soil were loaded onto waste transport trailers (operated by Robbie D. Wood, Inc.) on January 29 and 30, 2002. Approximately 282 tons of excavated soil and concrete were transported to the Sand Valley Landfill for disposal.

A2.4 Site Reclamation

Material to backfill the excavations at Parcel 127(7) was attained from the Range 30 fill area at FTMC. Prior to acquisition of the backfill material from Range 30, a surface soil sample was collected from the proposed fill material to ensure that the soil was suitable for use as fill. This soil sample was analyzed for the following parameters:

- Metals – EPA Method 6010B/7471A
- Volatile organic compounds – EPA Method 8260B
- Semivolatile organic compounds – EPA Method 8270C
- Chlorinated pesticides – EPA Method 8081A
- Chlorinated herbicides – EPA Method 8151A.

The analytical results of the fill material soil sample indicated that the soil was suitable for use as fill material. The sample collection log and COC form for this soil sample are provided in Attachment A-1. The fill material sample analytical results are included in Attachment A-2.

Table A-1

**Confirmation Soil Sampling Analytical Results
Former Washrack, Building 1740, Soldier's Chapel Parcel 127(7)
Fort McClellan, Calhoun County, Alabama**

(Page 1 of 3)

Sample Location Sample Number Sample Date Sample Depth (Feet)				PPMP-127-REM KR0048 7-Nov-01 2 - 3				PPMP-127-REM KR0049 7-Nov-01 2 - 3				PPMP-127-REM KR0051 7-Nov-01 2 - 3				PPMP-127-REM KR0052 7-Nov-01 2 - 3			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL												
METALS																			
Antimony	mg/kg	1.31E+00	3.11E+00	NR															
Copper	mg/kg	1.94E+01	3.13E+02	4.37E+01	J	YES		1.56E+01	J			2.22E+01		YES		2.51E+01		YES	
Lead	mg/kg	3.85E+01	4.00E+02	1.37E+01				1.21E+01				2.54E+01	J			1.10E+01	J		
Mercury	mg/kg	7.00E-02	2.33E+00	2.11E-01		YES		5.50E-02	J			6.10E-02	J			6.70E-02	J		

Sample Location Sample Number Sample Date Sample Depth (Feet)				PPMP-127-REM KR0053 8-Nov-01 2 - 3				PPMP-127-REM1 KR0061 8-Nov-01 2 - 3				PPMP-127-REM KR0054 8-Nov-01 2 - 3				PPMP-127-REM1 KR0055 8-Nov-01 2 - 3			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																			
Antimony	mg/kg	1.31E+00	3.11E+00	NR				NR				NR				NR			
Copper	mg/kg	1.94E+01	3.13E+02	1.95E+01		YES		2.26E+01		YES		2.66E+02		YES		1.32E+01			
Lead	mg/kg	3.85E+01	4.00E+02	1.35E+01	J			5.38E+01	J	YES		6.95E+01	J	YES		5.49E+01	J	YES	
Mercury	mg/kg	7.00E-02	2.33E+00	3.75E-02	J			ND				8.96E-01		YES		5.00E-02	J		

Sample Location Sample Number Sample Date Sample Depth (Feet)				PPMP-127-REM1 KR0056 8-Nov-01 2 - 3				PPMP-127-REM1 KR0064 8-Nov-01 2 - 3				PPMP-127-REM1 KR0059 8-Nov-01 2 - 3				PPMP-127-REM1 KR0060 8-Nov-01 2 - 3			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL												
METALS																			
Antimony	mg/kg	1.31E+00	3.11E+00	NR															
Copper	mg/kg	1.94E+01	3.13E+02	9.09E+00				1.93E+01				1.00E+01				1.17E+01			
Lead	mg/kg	3.85E+01	4.00E+02	2.82E+01	J			2.91E+01	J			2.50E+01	J			1.98E+01	J		
Mercury	mg/kg	7.00E-02	2.33E+00	ND				ND				3.30E-02	J			4.60E-02	J		

Table A-1

Confirmation Soil Sampling Analytical Results
 Former Washrack, Building 1740, Soldier's Chapel Parcel 127(7)
 Fort McClellan, Calhoun County, Alabama

(Page 2 of 3)

Sample Location Sample Number Sample Date Sample Depth (Feet)				PPMP-127-REM1 KR0067 8-Nov-01 2 - 3				PPMP-127-REM1 KR0068 8-Nov-01 2 - 3				PPMP-127-REM1 KR0069 8-Nov-01 2 - 3				PPMP-127-REM1 KR0062 8-Nov-01 2 - 3				PPMP-127-REM1 KR0063 8-Nov-01 2 - 3			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL																
METALS																							
Antimony	mg/kg	1.31E+00	3.11E+00	NR																			
Copper	mg/kg	1.94E+01	3.13E+02	3.03E+01		YES		1.22E+01				1.35E+02		YES		1.45E+01				1.05E+01			
Lead	mg/kg	3.85E+01	4.00E+02	6.07E+01	J	YES		3.74E+01	J			1.71E+01	J			3.81E+01	J			6.69E+01	J	YES	
Mercury	mg/kg	7.00E-02	2.33E+00	ND				ND				2.64E-01		YES		4.10E-02	J			2.98E-02	J		

Sample Location Sample Number Sample Date Sample Depth (Feet)				PPMP-127-REM1 KR0070 8-Nov-01 2 - 3				PPMP-127-REM2 KR0073 19-Jun-02 1.5 - 2.5				PPMP-127-REM2 KR0074 19-Jun-02 2 - 3				PPMP-127-REM1 KR0065 8-Nov-01 2 - 3				PPMP-127-REM1 KR0066 8-Nov-01 2 - 3			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS																							
Antimony	mg/kg	1.31E+00	3.11E+00	NR				ND				ND				NR				NR			
Copper	mg/kg	1.94E+01	3.13E+02	2.59E+01		YES		NR				NR				1.70E+01				1.46E+01			
Lead	mg/kg	3.85E+01	4.00E+02	1.95E+01	J			NR				NR				5.23E+01	J	YES		1.93E+01	J		
Mercury	mg/kg	7.00E-02	2.33E+00	1.83E-01		YES		NR				NR				5.50E-02	J			6.40E-02	J		

Sample Location Sample Number Sample Date Sample Depth (Feet)				PPMP-127-REM2 KR0075 19-Jun-02 1.5 - 2.5				PPMP-127-REM2 KR0076 19-Jun-02 1 - 2				PPMP-127-REM2 KR0077 19-Jun-02 1 - 2			
Parameter	Units	BKG ^a	SSSL ^b	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS															
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND			
Copper	mg/kg	1.94E+01	3.13E+02	NR				NR				NR			
Lead	mg/kg	3.85E+01	4.00E+02	NR				NR				NR			
Mercury	mg/kg	7.00E-02	2.33E+00	NR				NR				NR			

Table A-1

**Confirmation Soil Sampling Analytical Results
Former Washrack, Building 1740, Soldier's Chapel Parcel 127(7)
Fort McClellan, Calhoun County, Alabama**

(Page 3 of 3)

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods.

^a BKG - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in SAIC, 1998, *Final Background Metals Survey Report, Fort McClellan, Alabama*, July.

^b Residential human health site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT, 2000, *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.

J - Metal was positively identified; reported value is an estimated concentration.

mg/kg - Milligrams per kilogram.

ND - Not detected.

NR - Not requested.

Qual - Data validation qualifier.

Following placement of the fill material in the excavated areas, the site was regraded to approximate its original grade. The site was then raked and sown with rye grass. A protective hay cover was distributed over the sown area. The removal activities were completed on February 1, 2002. A photographic log documenting field activities is included as Attachment A-4.

ATTACHMENT A-1

**SAMPLE COLLECTION LOGS AND
CHAIN-OF-CUSTODY RECORDS**

SAMPLE COLLECTION LOGS



Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: **PPMP-127-REM**

Collection Date: 11/07/01

Sample Number: **KR0048**

Collection Time: 1445

Sample Name: **PPMP-127-REM-DS-KR0048-REG**

Start Depth: _____

Sampling Method: **GRAB**

End Depth: 2'

Sample Type: **DS**

Sample Purpose: **REG**

Sample Matrix: **SOIL**

Sample Team: Geist / HONER

QC Partners:

(TB) NA (ER) 110901-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite Flt Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments:

1 Floor Sample

Sketch Location:

Logged BY / Date: J. Honer 11/07/01

Reviewed BY / Date: DLG 11-7-01



Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 127-1107A-EMAX

Location Code: PPMP-127-REM

Collection Date: 11/07/01

Sample Number: KR0048-MS

Collection Time: 1445

Sample Name: PPMP-127-REM-DS-KR0048-MS-MS

Start Depth: _____

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: MS

Sample Matrix: SOIL

Sample Team: Geist / HONEA

QC Partners:

(TB) NA (ER) 110901-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: FLOOR SAMPLE

Sketch Location:

Logged BY / Date: [Signature] 11/07/01

Reviewed BY / Date: Deka 11-7-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM

Collection Date: 11/07/01

Sample Number: KR0048-MSD

Collection Time: 1445

Sample Name: PPMP-127-REM-DS-KR0048-MSD-MSD

Start Depth:

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: MSD

Sample Matrix: SOIL

Sample Team: Geist/Hower

QC Partners:

(TB) NA (ER) 110901-EA2 (FB) NA

ERPIMS Values:

Sacode:

Lot Control#:

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
COPPER	N	A	1	8	oz CW-JAR
LEAD	N	A	1	8	oz CW-JAR
MERCURY	N	A	1	8	oz CW-JAR

Comments: Floor Sample

Sketch Location:

Logged BY / Date: M/Hower 11/07/01

Reviewed BY / Date: Doka 11-7-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM

Collection Date: 11/07/01

Sample Number: KR0049

Collection Time: 1440

Sample Name: PPMP-127-REM-DS-KR0049-REG

Start Depth: _____

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Geist / Howen

QC Partners:

(TB) NA (ER) 110901-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite Ft Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: Wall Sample

Sketch Location:

Logged BY / Date: [Signature] 11/07/01

Reviewed BY / Date: [Signature] 11-7-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM

Collection Date: 11/07/01

Sample Number: KR0050

Collection Time: 1440

Sample Name: PPMP-127-REM-DS-KR0050-FD

Start Depth:

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: FD

Sample Matrix: SOIL

Sample Team: Geist/Hover

QC Partners:

(TB) NA (ER) 110901-ER2 (FB) NA

ERPIMS Values:

Sacode:

Lot Control#:

Containers
Analytical Suite Flt Frtn Qty Size Units Type

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: Wall Sample

Sketch Location:

Logged BY / Date: [Signature] 11/07/01

Reviewed BY / Date: Deka 11-7-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM

Collection Date: 11/07/01

Sample Number: KR0051

Collection Time: 1500

Sample Name: PPMP-127-REM-DS-KR0051-REG

Start Depth:

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Geist / HONOA

QC Partners:

(TB) N/A (ER) 110901-ER2 (FB) N/A

ERPIMS Values:

Sacode:

Lot Control#:

Containers

Analytical Suite Flt Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments:

Wall Sample

Sketch Location:

Logged BY / Date: [Signature] 11/07/01

Reviewed BY / Date: Dera 11-7-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM
Sample Number: KR0052
Sample Name: PPMP-127-REM-DS-KR0052-REG
Sampling Method: GRAB
Sample Type: DS **Sample Purpose:** REG

Collection Date: 11/07/01
Collection Time: 1452
Start Depth: _____
End Depth: 2'
Sample Matrix: SOIL
Sample Team: Geist / Houma

QC Partners:

(TB) NA (ER) 110901-ER2 (FB) NA

ERPIMS Values:

Sacode: _____
Lot Control#: _____

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: Flt tanks Floor Sample

Sketch Location:

Logged BY / Date: [Signature] 11/07/01

Reviewed BY / Date: Daxa 11-7-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub.

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM

Collection Date: 11/07/01

Sample Number: KR0053

Collection Time: 1510

Sample Name: PPMP-127-REM-DS-KR0053-REG

Start Depth: _____

End Depth: 2'

Sampling Method: GRAB

Sample Matrix: SOIL

Sample Type: DS

Sample Purpose: REG

Sample Team: Geist / Howe

QC Partners:

(TB) NA (ER) 110901-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite Flt Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments:

WALL Sample

Sketch Location:

Logged BY / Date: J. Howe 11/07/01

Reviewed BY / Date: Dexa 11-7-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-11070-EMAX

Location Code: PPMP-127-REM
Sample Number: KR0054
Sample Name: PPMP-127-REM-DS-KR0054-REG
Sampling Method: GRAB
Sample Type: DS **Sample Purpose:** REG

Collection Date: 11/07/01
Collection Time: 1450
Start Depth: _____
End Depth: 2'
Sample Matrix: SOIL
Sample Team: Geist/HONEA

QC Partners:
 (TB) NA (ER) 110901-ER2 (FB) NA

ERPIMS Values:
Sacode: _____
Lot Control#: _____

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
COPPER	N	A	1	8 oz	CW-JAR
LEAD	N	A	1	8 oz	CW-JAR
MERCURY	N	A	1	8 oz	CW-JAR

Comments: Wall Sample

Sketch Location:

Logged BY / Date: J. Yacoub 11/07/01

Reviewed BY / Date: DEX 11-07-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0055

Collection Time: 0720

Sample Name: PPMP-127-REM1-DS-KR0055-REG

Start Depth:

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: HONER

QC Partners:

(TB)

(ER)

(FB)

ERPIMS Values:

Sacode:

Lot Control#:

Analytical Suite **Containers**
 Flt Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: FLOOR

Sketch Location:

Logged BY / Date: Jefferson 11/08/01

Reviewed BY / Date: Deka 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-Emax

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0055-MS

Collection Time: 0720

Sample Name: PPMP-127-REM1-DS-KR0055-MS-MS

Start Depth: _____

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: MS

Sample Matrix: SOIL

Sample Team: HONER

QC Partners:

(TB) _____

(ER) _____

(FB) _____

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite Flt Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments:

FLOOR

Sketch Location:

Logged BY / Date: Zuffern 11/08/01

Reviewed BY / Date: Deka 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAY

Location Code: PPMP-127-REM1

Sample Number: KR0055-MSD

Sample Name: PPMP-127-REM1-DS-KR0055-MSD-MSD

Sampling Method: GRAB

Sample Type: DS

Sample Purpose: MSD

Collection Date: 11/08/01

Collection Time: 0720

Start Depth: _____

End Depth: 2'

Sample Matrix: SOIL

Sample Team: HONGA

QC Partners:

(TB) _____

(ER) _____

(FB) _____

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite Flt Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: FLOOR

Sketch Location:

Logged BY / Date: [Signature] 11/08/01

Reviewed BY / Date: Dexa 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0056

Collection Time: 0735

Sample Name: PPMP-127-REM1-DS-KR0056-REG

Start Depth:

Sampling Method: GRAB

End Depth: 21

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team:

QC Partners:

(TB) _____ (ER) _____ (FB) _____

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: FLOOR

Sketch Location:

Logged BY / Date: J. Yacoub 11/08/01

Reviewed BY / Date: DeKa 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0057

Collection Time: 0735

Sample Name: PPMP-127-REM1-DS-KR0057-FD

Start Depth: _____

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: FD

Sample Matrix: SOIL

Sample Team: HONETA

QC Partners:

(TB) _____

(ER) _____

(FB) _____

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: Floor

Sketch Location:

Logged BY / Date: [Signature] 11/08/01

Reviewed BY / Date: [Signature] 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EM4X

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0059

Collection Time: 0740

Sample Name: PPMP-127-REM1-DS-KR0059-REG

Start Depth:

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: HNER

QC Partners:

(TB)

(ER)

(FB)

ERPIMS Values:

Sacode:

Lot Control#:

Containers

Analytical Suite Flt Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: Wall

Sketch Location:

Logged BY / Date: W. J. [Signature] 11/08/01

Reviewed BY / Date: [Signature] 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-Emax

Location Code: PPMP-127-REM1
Sample Number: KR0060
Sample Name: PPMP-127-REM1-DS-KR0060-REG
Sampling Method: GRAB
Sample Type: DS **Sample Purpose:** REG

Collection Date: 11/08/01
Collection Time: 0748
Start Depth: _____
End Depth: 21
Sample Matrix: SOIL
Sample Team: HONEA

QC Partners:
 (TB) _____ (ER) _____ (FB) _____

ERPIMS Values:
Sacode: _____
Lot Control#: _____

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
COPPER	N	A	1	8 oz	CW-JAR
LEAD	N	A	1	8 oz	CW-JAR
MERCURY	N	A	1	8 oz	CW-JAR

Comments: WALL

Sketch Location:

Logged BY / Date: [Signature] 11/08/01

Reviewed BY / Date: DAKA 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0061

Collection Time: 0755

Sample Name: PPMP-127-REM1-DS-KR0061-REG

Start Depth:

Sampling Method: GRAB

End Depth: 21

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: HONEA

QC Partners:

(TB)

(ER)

(FB)

ERPIMS Values:

Sacode:

Lot Control#:

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
COPPER	N	A	1	8 oz	CW-JAR
LEAD	N	A	1	8 oz	CW-JAR
MERCURY	N	A	1	8 oz	CW-JAR

Comments: WALL

Sketch Location:

Logged BY / Date: [Signature] 11/08/01

Reviewed BY / Date: [Signature] 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanné Yacoub

RFA / COC Number: 127-110701-Emax

Location Code: **PPMP-127-REM1**

Collection Date: 11/08/01

Sample Number: **KR0062**

Collection Time: 0800

Sample Name: **PPMP-127-REM1-DS-KR0062-REG**

Start Depth: _____

Sampling Method: **GRAB**

End Depth: 2'

Sample Type: **DS**

Sample Purpose: **REG**

Sample Matrix: **SOIL**

Sample Team: HONER

QC Partners:

(TB) _____

(ER) _____

(FB) _____

ERPIMS Values:

Sacode: _____

Lot Control#: _____

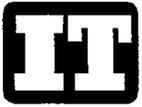
Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
COPPER	N	A	1	8 oz	CW-JAR
LEAD	N	A	1	8 oz	CW-JAR
MERCURY	N	A	1	8 oz	CW-JAR

Comments: Wall

Sketch Location:

Logged BY / Date: [Signature] 11/8/01

Reviewed BY / Date: [Signature] 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0063

Collection Time: 0803

Sample Name: PPMP-127-REM1-DS-KR0063-REG

Start Depth: _____

Sampling Method: GRAB

End Depth: 2

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: HONER

QC Partners:

(TB) _____

(ER) _____

(FB) _____

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
COPPER	N	A	1	8	oz CW-JAR
LEAD	N	A	1	8	oz CW-JAR
MERCURY	N	A	1	8	oz CW-JAR

Comments: Wall

Sketch Location:

Logged BY / Date: [Signature] 11/08/01

Reviewed BY / Date: [Signature] 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM1

Sample Number: KR0064

Sample Name: PPMP-127-REM1-DS-KR0064-REG

Sampling Method: GRAB

Sample Type: DS

Sample Purpose: REG

Collection Date: 11/08/01

Collection Time: 0810

Start Depth:

End Depth: 21

Sample Matrix: SOIL

Sample Team: HONEA

QC Partners:

(TB)

(ER)

(FB)

ERPIMS Values:

Sacode:

Lot Control#:

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
COPPER	N	A	1	8	oz CW-JAR
LEAD	N	A	1	8	oz CW-JAR
MERCURY	N	A	1	8	oz CW-JAR

Comments: wall

Sketch Location:

Logged BY / Date: [Signature] 11/09/01

Reviewed BY / Date: [Signature] 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-Emax

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0065

Collection Time: 0815

Sample Name: PPMP-127-REM1-DS-KR0065-REG

Start Depth:

Sampling Method: GRAB

End Depth: 21

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: HONEA

QC Partners:

(TB)

(ER)

(FB)

ERPIMS Values:

Sacode:

Lot Control#:

Containers

Analytical Suite Flt Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: FLOOR

Sketch Location:

Logged BY/ Date: [Signature] 11/08/01

Reviewed BY/ Date: Dexa 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0066

Collection Time: 0818

Sample Name: PPMP-127-REM1-DS-KR0066-REG

Start Depth: _____

Sampling Method: GRAB

End Depth: 21

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: HONER

QC Partners:

(TB) _____

(ER) _____

(FB) _____

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite **Containers**
Flt Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments: Floor

Sketch Location:

Logged BY / Date: [Signature] 11/08/01

Reviewed BY / Date: Dexa 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0067

Collection Time: 0825

Sample Name: PPMP-127-REM1-DS-KR0067-REG

Start Depth: _____

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: HONED

QC Partners:

(TB) _____

(ER) _____

(FB) _____

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
COPPER	N	A	1	8 oz	CW-JAR
LEAD	N	A	1	8 oz	CW-JAR
MERCURY	N	A	1	8 oz	CW-JAR

Comments: FLOOR

Sketch Location:

Logged BY / Date: [Signature] 11/08/01

Reviewed BY / Date: Deka 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: **PPMP-127-REM1**

Collection Date: 11/08/01

Sample Number: **KR0068**

Collection Time: 0835

Sample Name: **PPMP-127-REM1-DS-KR0068-REG**

Start Depth: _____

Sampling Method: **GRAB**

End Depth: 21

Sample Type: **DS**

Sample Purpose: **REG**

Sample Matrix: **SOIL**

Sample Team: HONER

QC Partners:

(TB) _____ (ER) _____ (FB) _____

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
COPPER	N	A	1	8 oz	CW-JAR
LEAD	N	A	1	8 oz	CW-JAR
MERCURY	N	A	1	8 oz	CW-JAR

Comments: WALL

Sketch Location:

Logged BY / Date: [Signature] 11/08/01

Reviewed BY / Date: [Signature] 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM1
Sample Number: KR0069
Sample Name: PPMP-127-REM1-DS-KR0069-REG
Sampling Method: GRAB
Sample Type: DS **Sample Purpose:** REG

Collection Date: 11/08/01
Collection Time: 1105
Start Depth: _____
End Depth: 21
Sample Matrix: SOIL
Sample Team: _____

QC Partners:
 (TB) _____ (ER) _____ (FB) _____

ERPIMS Values:
Sacode: _____
Lot Control#: _____

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
COPPER	N	A	1	8 oz	CW-JAR
LEAD	N	A	1	8 oz	CW-JAR
MERCURY	N	A	1	8 oz	CW-JAR

Comments: Floor

Sketch Location:

Logged BY / Date: J. Yacoub 11/08/01

Reviewed BY / Date: D. K. A. 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: 127-110701-EMAX

Location Code: PPMP-127-REM1

Collection Date: 11/08/01

Sample Number: KR0070

Collection Time: 1110

Sample Name: PPMP-127-REM1-DS-KR0070-REG

Start Depth:

Sampling Method: GRAB

End Depth: 2'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: HONEA

QC Partners:

(TB)

(ER)

(FB)

ERPIMS Values:

Sacode:

Lot Control#:

Containers

Analytical Suite Flt Frtn Qty Size Units Type

COPPER	N	A	1	8	oz	CW-JAR
LEAD	N	A	1	8	oz	CW-JAR
MERCURY	N	A	1	8	oz	CW-JAR

Comments:

WALL

Sketch Location:

Logged BY / Date:

[Signature] 11/08/01

Reviewed BY / Date:

[Signature] 11-8-01



INTERNATIONAL
TECHNOLOGY
CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-062002-EMAD

Location Code: PPMP-127-REM2

Collection Date: 6/19/02

Sample Number: KR0073

Collection Time: 1455

Sample Name: PPMP-127-REM2-DS-KR0073-REG

Start Depth: 1.5'

Sampling Method: HA

End Depth: 2.5'

Sample Type: DS

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Lavaas/Shoemaker

QC Partners:

(TB) NA (ER) 062102-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
ANTIMONY	N	A	1	8	oz CW-JAR

Comments: Same location as sample KR0070
PID: 0.0

Sketch Location:

Logged BY / Date: Cindy Lavaas 6/19/02

Reviewed BY / Date: [Signature] 6/20/02



INTERNATIONAL
TECHNOLOGY
CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-062002-EMAR

Location Code: PPMP-127-REM2
Sample Number: KR0074
Sample Name: PPMP-127-REM2-DS-KR0074-REG
Sampling Method: HA
Sample Type: DS

Collection Date: 6/19/02
Collection Time: 1508
Start Depth: 2'
End Depth: 3'
Sample Matrix: SOIL

Sample Purpose: REG

Sample Team: Lavaas/Shoemaker

QC Partners:

(TB) NA (ER) 062102-422 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Containers

Analytical Suite **Flt Frtn Qty** **Size** **Units** **Type**

ANTIMONY	NA	1	8	oz	CW-JAR
----------	----	---	---	----	--------

Comments: same location as sample KR0048

Sketch Location:

Logged BY / Date: Cindy Lavaas 6/19/02

Reviewed BY / Date: [Signature] 6/20/02



INTERNATIONAL
TECHNOLOGY
CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-062002-EMAF

Location Code: PPMP-127-REM2
Sample Number: KR0075
Sample Name: PPMP-127-REM2-DS-KR0075-REG
Sampling Method: HA
Sample Type: DS

Collection Date: 6/19/02
Collection Time: 1522
Start Depth: 1.5
End Depth: 2.5
Sample Matrix: SOIL

Sample Purpose: REG

Sample Team: Leraad/Shoemaker

QC Partners:

(TB) NA (ER) 062102-ER2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite Containers
Flt Frtn Qty Size Units Type

ANTIMONY	N	A	1	8	oz	CW-JAR
----------	---	---	---	---	----	--------

Comments: same location as sample KR0053
PID: 0.0

Sketch Location:

Logged BY / Date: Candis Leraad 6/19/02 Reviewed BY / Date: [Signature] 6/20/02



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-062002-EMax

Location Code: **PPMP-127-REM2**
Sample Number: **KR0076**
Sample Name: **PPMP-127-REM2-DS-KR0076-REG**
Sampling Method: **HA**
Sample Type: **DS** Sample Purpose: **REG**

Collection Date: 6/19/02
Collection Time: 1532
Start Depth: 1'
End Depth: 2'
Sample Matrix: **SOIL**
Sample Team: Lavaas/Shoemaker

QC Partners:

(TB) PH (ER) 062102-EL2 (FB) PH

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ANTIMONY	N	A	1	8	oz	CW-JAR

Comments: same location as sample KR0051
PID: 0.0

Sketch Location:

Logged BY / Date: Curtis Waco 6/19/02 Reviewed BY / Date: [Signature] 6/20/02



INTERNATIONAL
TECHNOLOGY
CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-062002-EMAD

Location Code: PPMP-127-REM2

Sample Number: KR0077

Sample Name: PPMP-127-REM2-DS-KR0077-REG

Sampling Method: HA

Sample Type: DS

Sample Purpose: REG

Collection Date: 6/19/02

Collection Time: 1543

Start Depth: 1'

End Depth: 2'

Sample Matrix: SOIL

Sample Team: Lavaas/Shoemaker

QC Partners:

(TB) NA (ER) 062102-EK2 (FB) NA

ERPIMS Values:

Sacode: _____

Lot Control#: _____

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
ANTIMONY	N	A	1	8	oz	CW-JAR

Comments: same location as sample KR0050
PID: 0-0

Sketch Location:

Logged BY / Date: Cindy Lavaas 6/19/02

Reviewed BY / Date: [Signature] 6/20/02



Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanne Yacoub

RFA / COC Number: 127-~~110701~~-EMAX

Location Code: PPMP-127-REM

Collection Date: 11/07/01

Sample Number: KR0058

Collection Time: 1425

Sample Name: PPMP-127-REM-SP-KR0058-REG

Start Depth:

Sampling Method: GRAB

End Depth: 2+

Sample Type: SP

Sample Purpose: REG

Sample Matrix: SOIL

Sample Team: Geist / HONEA

QC Partners:

(TB) N/A (ER) 110901-ER2 (FB) NA

ERPIMS Values:

Sacode:

Lot Control#:

Analytical Suite	Containers			Units	Type
	Flt	Frtn	Qty		
TCLP-VOC	N	A	1	4	oz CW-JAR
TCLP-METALS	N	B	1	8	oz CW-JAR
TCLP-SVOC	N	B	1	8	oz CW-JAR
TCLP-HERB	N	C	1	8	oz CW-JAR
TCLP-PCB	N	C	1	8	oz CW-JAR
TCLP-PEST	N	C	1	8	oz CW-JAR
FLASHPOINT	N	D	1	8	oz CW-JAR
PH	N	D	1	8	oz CW-JAR
REACTIVITY	N	D	1	8	oz CW-JAR

Comments: Stockpile Composit

Sketch Location:

Logged BY / Date: [Signature] 11/07/01

Reviewed BY / Date: Dexa 11-8-01



Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanne Yacoub

RFA / COC Number: FIELDQC-110101-EMAX

Location Code: **FIELDQC**

Sample Number: **XQ0016**

Sample Name: **FIELDQC-QC-XQ0016-MB**

Sampling Method: **HA**

Sample Type: **SS**

Sample Purpose: **MB**

Collection Date: **01-NOV-01**

Collection Time: **13:35**

Start Depth: **0**

End Depth: **.5**

Sample Matrix: **SOIL**

Sample Team: **ZP**

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CW-JAR
SEMIVOLATILES	N	B	1	8	oz	CW-JAR
CL HERBICIDES	N	C	1	8	oz	CW-JAR
CL PESTICIDES	N	C	1	8	oz	CW-JAR

ERPIMS Values:

Sacode:

Lot Control#:

Comments:

Range 30-Borrow Pit Fill to be used at Soldiers Chapel

Sketch Location:

Logged BY / Date: ZP / 7.18.02

Reviewed BY / Date: [Signature] 7/18/02

CHAIN-OF-CUSTODY RECORDS



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 127-110701-EMAX

Page 1 of 3

Project Number: 774645

Samples Shipment Date: 08 NOV 2001

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Knoxville

TN 37923

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Report To: Duane Nielsen

Turnaround Time:

Project Contact: Randy McBride

312 Directors Drive

Knoxville

TN 37923

NORMAL

Carrier/Waybill No.: Fed Ex

Special Instructions: None	
Possible Hazard Identification: Non-hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input checked="" type="checkbox"/>	Sample Disposal: Return to Client <input type="checkbox"/> Disposal by Lab <input checked="" type="checkbox"/> Archive (mos.)
1. Relinquished By (Signature/Affiliation) <i>DeKoe</i>	Date: 11-8-01 Time: 1600
1. Received By (Signature/Affiliation)	Date: Time:
2. Relinquished By (Signature/Affiliation)	Date: Time:
2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:
3. Received By (Signature/Affiliation)	Date: Time:
Comments: None	

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	File CID	Condition On Receipt
KR0048	PPMP-127-REM-DS-KR0048-REG	07 NOV 2001	14:45	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
KR0048-MS	PPMP-127-REM-DS-KR0048-MS-MS	07 NOV 2001	14:45	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
KR0048-MSD	PPMP-127-REM-DS-KR0048-MSD-MSD	07 NOV 2001	14:45	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
KR0049	PPMP-127-REM-DS-KR0049-REG	07 NOV 2001	14:40	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
KR0050	PPMP-127-REM-DS-KR0050-FD	07 NOV 2001	14:40	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	



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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 127-110701-EMAX

Page 2 of 3

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	File	CID	Condition On Receipt
KR0051	PPMP-127-REM-DS-KR0051-REG	07 NOV 2001	15:00	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0052	PPMP-127-REM-DS-KR0052-REG	07 NOV 2001	14:52	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0053	PPMP-127-REM-DS-KR0053-REG	08 NOV 2001	15:10	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0054	PPMP-127-REM-DS-KR0054-REG	08 NOV 2001	14:50	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0055	PPMP-127-REM1-DS-KR0055-REG	08 NOV 2001	07:20	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0055-MS	PPMP-127-REM1-DS-KR0055-MS-MS	08 NOV 2001	07:20	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0055-MSD	PPMP-127-REM1-DS-KR0055-MSD-MSD	08 NOV 2001	07:20	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0056	PPMP-127-REM1-DS-KR0056-REG	08 NOV 2001	07:35	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0057	PPMP-127-REM1-DS-KR0057-FD	08 NOV 2001	07:35	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0058	PPMP-127-REM-SP-KR0058-REG	07 NOV 2001	14:25	4 oz CW-JAR	1 None except cool to 4 C	TCLP Volatiles by 8260B	N		
KR0058	PPMP-127-REM-SP-KR0058-REG	07 NOV 2001	14:25	8 oz CW-JAR	1 None except cool to 4 C	TCLP Metals by 6010/7470A, TCLP Semivolatile by 8270C	N		
KR0058	PPMP-127-REM-SP-KR0058-REG	07 NOV 2001	14:25	8 oz CW-JAR	1 None except cool to 4 C	Flashpoint by 1010, PH by 9040, Reactive CN by 9030 - Reactive Sulfide by 9010	N		
KR0058	PPMP-127-REM-SP-KR0058-REG	07 NOV 2001	14:25	8 oz CW-JAR	1 None except cool to 4 C	TCLP Herbicides by 8151A, TCLP PCB's by 8082, TCLP Pesticides by 8081A	N		
KR0059	PPMP-127-REM1-DS-KR0059-REG	08 NOV 2001	07:40	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0060	PPMP-127-REM1-DS-KR0060-REG	08 NOV 2001	07:48	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0061	PPMP-127-REM1-DS-KR0061-REG	08 NOV 2001	07:55	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0062	PPMP-127-REM1-DS-KR0062-REG	08 NOV 2001	08:00	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0063	PPMP-127-REM1-DS-KR0063-REG	08 NOV 2001	08:03	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0064	PPMP-127-REM1-DS-KR0064-REG	08 NOV 2001	08:10	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0065	PPMP-127-REM1-DS-KR0065-REG	08 NOV 2001	08:15	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0066	PPMP-127-REM1-DS-KR0066-REG	08 NOV 2001	08:18	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		
KR0067	PPMP-127-REM1-DS-KR0067-REG	08 NOV 2001	08:25	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N		



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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 127-110701-EMAX

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Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	File	CID	Condition On Receipt
KR0068	PPMP-127-REM1-DS-KR0068-REG	08 NOV 2001	08:35	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
KR0069	PPMP-127-REM1-DS-KR0069-REG	08 NOV 2001	11:05	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
KR0070	PPMP-127-REM1-DS-KR0070-REG	08 NOV 2001	11:10	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	



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H5

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

02F146

Reference Document No: 127-062002-EMAX

Page 1 of 1

Project Number: 774645

Samples Shipment Date: 20 JUN 2002

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Knoxville

TN 37923

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Report To: Duane Nielsen

Turnaround Time: *7 Day Turnaround*

Project Contact: Tim Roth

312 Directors Drive

Knoxville

TN 37923

Times Level 4 Data Package

Carrier/Waybill No.: UPS/

Special Instructions: 7 Day Turnaround Time Level 4 Data Package

Possible Hazard Identification:

Non-hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal:

Return to Client Disposal by Lab Archive (mos.)

1. Relinquished By
(Signature/Affiliation)

[Signature] IT Corp

Date: *6/20/02*

Time: *1430*

1. Received By
(Signature/Affiliation)

[Signature] un

Date: *6-21-02*

Time: *0915*

2. Relinquished By
(Signature/Affiliation)

Date:

Time:

2. Received By
(Signature/Affiliation)

Date:

Time:

3. Relinquished By
(Signature/Affiliation)

Date:

Time:

3. Received By
(Signature/Affiliation)

Date:

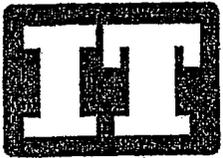
Time:

Comments: None

T = 3.5 °C

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	FI	CID	Condition On Receipt
KR0071	PPMP-127-GP26-SS-KR0071-REG	20 JUN 2002	07:48	8 oz CW-JAR	1	None except cool to 4 C	Chromium by SW6010B	N		
KR0072	PPMP-127-GP26-DS-KR0072-REG	20 JUN 2002	08:01	8 oz CW-JAR	1	None except cool to 4 C	Chromium by SW6010B	N		
KR0073	PPMP-127-REM2-DS-KR0073-REG	19 JUN 2002	14:55	8 oz CW-JAR	1	None except cool to 4 C	Antimony by SW6010B	N		
KR0074	PPMP-127-REM2-DS-KR0074-REG	19 JUN 2002	15:08	8 oz CW-JAR	1	None except cool to 4 C	Antimony by SW6010B	N		
KR0075	PPMP-127-REM2-DS-KR0075-REG	19 JUN 2002	15:22	8 oz CW-JAR	1	None except cool to 4 C	Antimony by SW6010B	N		
KR0076	PPMP-127-REM2-DS-KR0076-REG	19 JUN 2002	15:32	8 oz CW-JAR	1	None except cool to 4 C	Antimony by SW6010B	N		
KR0077	PPMP-127-REM2-DS-KR0077-REG	19 JUN 2002	15:43	8 oz CW-JAR	1	None except cool to 4 C	Antimony by SW6010B	N		

10014621



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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

B14/V501-02

01K087

Reference Document No: 127-110701-EMAX

Page 1 of 3

Project Number: 774645

Samples Shipment Date: 08 NOV 2001

Bill To: Duane Nielsen

Project Name: Fort McClellan

Lab Destination: EMAX Laboratories, Inc.

312 Directors Drive

Knoxville

TN 37923

Sample Coordinator: Oliver Allen

Lab Contact: Elizabeth McIntyre

Report To: Duane Nielsen

Turnaround Time:

Project Contact: Randy McBride

312 Directors Drive

Knoxville

TN 37923

NORMAL

Carrier/Waybill No.: Fed Ex/

Special Instructions: None

Possible Hazard Identification: Non-hazard Flammable Skin Irritant Poison B Unknown

Sample Disposal: Return to Client Disposal by Lab Archive (mos.)

1. Relinquished By (Signature/Affiliation) <i>O. Allen</i>	Date: 11-8-01 Time: 1600	1. Received By (Signature/Affiliation) <i>D. Nielsen</i>	Date: 11-09-01 Time: 9:00-01
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments: None

Cooler #2. T = 3.2°C

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	File CID	Condition On Receipt
KR0048	PPMP-127-REM-DS-KR0048-REG	07 NOV 2001	14:45	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
KR0048-MS	PPMP-127-REM-DS-KR0048-MS-MS	07 NOV 2001	14:45	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
KR0048-MSD	PPMP-127-REM-DS-KR0048-MSD-MSD	07 NOV 2001	14:45	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
KR0049	PPMP-127-REM-DS-KR0049-REG	07 NOV 2001	14:40	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
KR0050	PPMP-127-REM-DS-KR0050-FD	07 NOV 2001	14:40	8 oz CW-JAR	1	None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	



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B14/V501-02

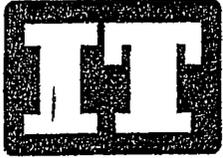
01K087

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 127-110701-EMAX

Page 2 of 3

Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	File CID	Condition On Receipt
1	KR0051 PPMP-127-REM-DS-KR0051-REG	07 NOV 2001	15:00	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
2	KR0052 PPMP-127-REM-DS-KR0052-REG	07 NOV 2001	14:52	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
3	KR0053 PPMP-127-REM-DS-KR0053-REG	08 NOV 2001	15:10	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
4	KR0054 PPMP-127-REM-DS-KR0054-REG	08 NOV 2001	14:50	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
5	KR0055 PPMP-127-REM1-DS-KR0055-REG	08 NOV 2001	07:20	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
	KR0055-MS PPMP-127-REM1-DS-KR0055-MS-MS	08 NOV 2001	07:20	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
	KR0055-MSD PPMP-127-REM1-DS-KR0055-MSD-MSD	08 NOV 2001	07:20	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
6	KR0056 PPMP-127-REM1-DS-KR0056-REG	08 NOV 2001	07:35	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
7	KR0057 PPMP-127-REM1-DS-KR0057-FD	08 NOV 2001	07:35	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
	KR0058 PPMP-127-REM-SP-KR0058-REG	07 NOV 2001	14:25	4 oz CW-JAR	1 None except cool to 4 C	TCLP Volatiles by 8260B	N	
	KR0058 PPMP-127-REM-SP-KR0058-REG	07 NOV 2001	14:25	8 oz CW-JAR	1 None except cool to 4 C	TCLP Metals by 601077470A, TCLP Semivolatile by 8270C	N	
8	KR0058 PPMP-127-REM-SP-KR0058-REG	07 NOV 2001	14:25	8 oz CW-JAR	1 None except cool to 4 C	Flashpoint by 1010, PH by 9040, Reactive CN by 9030 - Reactive Sulfide by 9010	N	
	KR0058 PPMP-127-REM-SP-KR0058-REG	07 NOV 2001	14:25	8 oz CW-JAR	1 None except cool to 4 C	TCLP Herbicides by 8151A, TCLP PCB's by 8082, TCLP Pesticides by 8081A	N	
9	KR0059 PPMP-127-REM1-DS-KR0059-REG	08 NOV 2001	07:40	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
10	KR0060 PPMP-127-REM1-DS-KR0060-REG	08 NOV 2001	07:48	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
11	KR0061 PPMP-127-REM1-DS-KR0061-REG	08 NOV 2001	07:55	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
12	KR0062 PPMP-127-REM1-DS-KR0062-REG	08 NOV 2001	08:00	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
13	KR0063 PPMP-127-REM1-DS-KR0063-REG	08 NOV 2001	08:03	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
14	KR0064 PPMP-127-REM1-DS-KR0064-REG	08 NOV 2001	08:10	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
15	KR0065 PPMP-127-REM1-DS-KR0065-REG	08 NOV 2001	08:15	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
16	KR0066 PPMP-127-REM1-DS-KR0066-REG	08 NOV 2001	08:18	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
17	KR0067 PPMP-127-REM1-DS-KR0067-REG	08 NOV 2001	08:25	8 oz CW-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	



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B14/V501-02

01K087

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 127-110701-EMAX

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Sample No	Sample Name	Sample Date	Sample Time	Container	Preservative	Requested Testing Program	File CID	Condition On Receipt
18 KR0068	PPMP-127-REM1-DS-KR0068-REG	08 NOV 2001	08:35	8 oz CWV-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
19 KR0069	PPMP-127-REM1-DS-KR0069-REG	08 NOV 2001	11:05	8 oz CWV-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	
20 KR0070	PPMP-127-REM1-DS-KR0070-REG	08 NOV 2001	11:10	8 oz CWV-JAR	1 None except cool to 4 C	Copper by SW6010B, Lead by 6010B, Mercury	N	

1005



ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

01K021 D7/V501-02

Reference Document No: FIELDQC-110101-EM

Page 1 of 1

Project Number: 774645
Project Name: Fort McClellan
Sample Coordinator: Oliver Allen
Turnaround Time: *2 week TAT*

Samples Shipment Date: 01 NOV 2001
Lab Destination: EMAX Laboratories, Inc.
Lab Contact: Elizabeth McIntyre
Project Contact: Randy McBride
Carrier/Waybill No.: Fed Ex

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923
Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: 2 Week Turn-Around Time	
Possible Hazard Identification: Non-hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input checked="" type="checkbox"/>	Sample Disposal: Return to Client <input type="checkbox"/> Disposal by Lab <input checked="" type="checkbox"/> Archive (mos.)
1. Relinquished By (Signature/Affiliation) <i>[Signature]</i> / IT Corp Date: <i>11-1-01</i> Time: <i>1600</i>	1. Received By (Signature/Affiliation) <i>[Signature]</i> Date: <i>11/02/01</i> Time: <i>0930</i>
2. Relinquished By (Signature/Affiliation) <i>[Signature]</i> Date: Time:	2. Received By (Signature/Affiliation) <i>[Signature]</i> Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:	3. Received By (Signature/Affiliation) Date: Time:
Comments: Range 30-Borrow Pit Fill Soil <div style="text-align: right; margin-right: 100px;"><i>T = 3.2°C</i></div>	

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	File CID	Condition On Receipt
XQ0016	FIELDQC-QC-XQ0016-MB	01 NOV 2001	13:35	8 oz CW-JAR	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N	
XQ0017	FIELDQC-QC-XQ0017-MB	01 NOV 2001	13:35	8 oz CW-JAR	1	None except cool to 4 C	CI Herbicides by 8151A, CI Pesticides by 8081A	N	
XQ0018	FIELDQC-QC-XQ0018-MB	01 NOV 2001	13:35	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N	

ATTACHMENT A-2

SUMMARY OF VALIDATED ANALYTICAL DATA

CONFIRMATION SOIL SAMPLING
BACKFILL SOIL SAMPLING

CONFIRMATION SOIL SAMPLING

Summary of Interim Removal Action Confirmation Soil Sample Data
 Former Washrack, Bldg 1740, Soldier's Chapel (Parcel 127)
 Fort McClellan, Alabama

Report Date: 07/16/02

Page 1 of 7

<i>User Test Group</i> <u>Lab Method</u>	<i>Location Code:</i>	PPMP-127-REM	PPMP-127-REM	PPMP-127-REM	PPMP-127-REM								
	<i>Associated Site:</i>	PPMP-127	PPMP-127	PPMP-127	PPMP-127								
	<i>Sample No:</i>	KR0048	KR0049	KR0050	KR0051								
	<i>Sample Date:</i>	07-NOV-01	07-NOV-01	07-NOV-01	07-NOV-01								
	<i>Sample Depth:</i>	2 - 3	2 - 3	2 - 3	2 - 3								
<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
METALS													
SW6010B													
Antimony	mg/kg												
Copper	mg/kg	43.7	J		15.6	J		17.3	J		22.2		
Lead	mg/kg	13.7			12.1			14.3			25.4		J
SW7471A													
Mercury	mg/kg	.211			.055	J	J	.064	J	J	.061	J	J

Summary of Interim Removal Action Confirmation Soil Sample Data
 Former Washrack, Bldg 1740, Soldier's Chapel (Parcel 127)
 Fort McClellan, Alabama

Report Date: 07/16/02

Page 2 of 7

<i>User Test Group</i> <u>Lab Method</u>	<i>Location Code:</i>	PPMP-127-REM	PPMP-127-REM	PPMP-127-REM	PPMP-127-REM1
	<i>Associated Site:</i>	PPMP-127	PPMP-127	PPMP-127	PPMP-127
	<i>Sample No:</i>	KR0052	KR0053	KR0054	KR0055
	<i>Sample Date:</i>	07-NOV-01	08-NOV-01	08-NOV-01	08-NOV-01
	<i>Sample Depth:</i>	2 - 3	2 - 3	2 - 3	2 - 3
<u>Parameter</u>	<u>Units</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>
METALS					
SW6010B					
Antimony	mg/kg				
Copper	mg/kg	25.1		19.5	266
Lead	mg/kg	11	J	13.5	69.5
					J
SW7471A					
Mercury	mg/kg	.067	J	.0375	.896
			J		.050
			J		J

Summary of Interim Removal Action Confirmation Soil Sample Data
 Former Washrack, Bldg 1740, Soldier's Chapel (Parcel 127)
 Fort McClellan, Alabama

Report Date: 07/16/02

Page 3 of 7

<i>User Test Group</i> <u>Lab Method</u>	<i>Location Code:</i>	PPMP-127-REM1	PPMP-127-REM1	PPMP-127-REM1	PPMP-127-REM1								
	<i>Associated Site:</i>	PPMP-127	PPMP-127	PPMP-127	PPMP-127								
	<i>Sample No:</i>	KR0056	KR0057	KR0059	KR0060								
	<i>Sample Date:</i>	08-NOV-01	08-NOV-01	08-NOV-01	08-NOV-01								
	<i>Sample Depth:</i>	2 - 3	2 - 3	2 - 3	2 - 3								
<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
METALS													
SW6010B													
Antimony	mg/kg				9.8			10			11.7		
Copper	mg/kg	9.09			30.2	J		25	J		19.8	J	
Lead	mg/kg	28.2		J									J
SW7471A													
Mercury	mg/kg	.112	U	U	.038	J	J	.033	J	J	.046	J	J

Summary of Interim Removal Action Confirmation Soil Sample Data
 Former Washrack, Bldg 1740, Soldier's Chapel (Parcel 127)
 Fort McClellan, Alabama

Report Date: 07/16/02

Page 4 of 7

<i>User Test Group</i> <u>Lab Method</u>	<i>Location Code:</i>	PPMP-127-REM1	PPMP-127-REM1	PPMP-127-REM1	PPMP-127-REM1								
	<i>Associated Site:</i>	PPMP-127	PPMP-127	PPMP-127	PPMP-127								
	<i>Sample No:</i>	KR0061	KR0062	KR0063	KR0064								
	<i>Sample Date:</i>	08-NOV-01	08-NOV-01	08-NOV-01	08-NOV-01								
	<i>Sample Depth:</i>	2 - 3	2 - 3	2 - 3	2 - 3								
<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
METALS													
SW6010B													
Antimony	mg/kg												
Copper	mg/kg	22.6			14.5			10.5			19.3		
Lead	mg/kg	53.8	J		38.1	J		66.9	J		29.1	J	
SW7471A													
Mercury	mg/kg	.109	U	U	.041	J	J	.0298	J	J	.111	U	U

Summary of Interim Removal Action Confirmation Soil Sample Data
 Former Washrack, Bldg 1740, Soldier's Chapel (Parcel 127)
 Fort McClellan, Alabama

Report Date: 07/16/02

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<i>User Test Group</i> <u>Lab Method</u>	<i>Location Code:</i>	PPMP-127-REM1	PPMP-127-REM1	PPMP-127-REM1	PPMP-127-REM1
	<i>Associated Site:</i>	PPMP-127	PPMP-127	PPMP-127	PPMP-127
	<i>Sample No:</i>	KR0065	KR0066	KR0067	KR0068
	<i>Sample Date:</i>	08-NOV-01	08-NOV-01	08-NOV-01	08-NOV-01
	<i>Sample Depth:</i>	2 - 3	2 - 3	2 - 3	2 - 3
<u>Parameter</u>	<u>Units</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>	<u>Result</u> <u>Qual</u> <u>VQual</u>
METALS					
SW6010B					
Antimony	mg/kg				
Copper	mg/kg	17		14.6	30.3
Lead	mg/kg	52.3	J	19.3	60.7
					J
SW7471A					
Mercury	mg/kg	.055	J J	.064	.107
					U U
					.108
					U U

Summary of Interim Removal Action Confirmation Soil Sample Data
 Former Washrack, Bldg 1740, Soldier's Chapel (Parcel 127)
 Fort McClellan, Alabama

Report Date: 07/16/02

Page 6 of 7

<i>User Test Group</i> <u>Lab Method</u>	<i>Location Code:</i>	PPMP-127-REM1	PPMP-127-REM1	PPMP-127-REM2	PPMP-127-REM2					
	<i>Associated Site:</i>	PPMP-127	PPMP-127	PPMP-127	PPMP-127					
	<i>Sample No.:</i>	KR0069	KR0070	KR0076	KR0077					
	<i>Sample Date:</i>	08-NOV-01	08-NOV-01	19-JUN-02	19-JUN-02					
	<i>Sample Depth:</i>	2 - 3	2 - 3	1 - 2	1 - 2					
<u>Parameter</u>	<u>Units</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>	<u>Result</u>	<u>Qual</u>	<u>VQual</u>
METALS										
SW6010B										
Antimony	mg/kg				12.4	U			12.2	U
Copper	mg/kg	135			25.9					
Lead	mg/kg	17.1	J		19.5	J				
SW7471A										
Mercury	mg/kg	.264			.183					

BACKFILL SOIL SAMPLING

```

=====
Client      : IT CORPORATION           Date Collected: 11/01/01
Project     : FORT MCCLELLAN          Date Received: 11/02/01
Batch No.   : 01K021                  Date Extracted: 11/08/01 08:55
Sample ID   : XQ0016                   Date Analyzed: 11/08/01 08:55
Lab Samp ID: K021-01                   Dilution Factor: 0.98
Lab File ID: RKW160                    Matrix: SOIL
Ext Btch ID: V006K14                   % Moisture: 4.7
Calib. Ref.: RKW149                    Instrument ID: T-006
=====

```

PARAMETERS	RESULTS (ug/kg)	RL (ug/kg)	MDL (ug/kg)
1,1,1,2-TETRACHLOROETHANE	ND	5.1	.51
1,1,1-TRICHLOROETHANE	ND	5.1	.49
1,1,2,2-TETRACHLOROETHANE	ND	5.1	.32
1,1,2-TRICHLOROETHANE	ND	5.1	1.2
1,1-DICHLOROETHANE	ND	5.1	.5
1,1-DICHLOROETHENE	ND	5.1	.53
1,1-DICHLOROPROPENE	ND	5.1	1.1
1,2,3-TRICHLOROBENZENE	ND	5.1	.5
1,2,3-TRICHLOROPROPANE	ND	5.1	.58
1,2,4-TRICHLOROBENZENE	ND	5.1	.64
1,2,4-TRIMETHYLBENZENE	ND	5.1	.31
1,2-DIBROMO-3-CHLOROPROPANE	ND	10	1.2
1,2-DICHLOROBENZENE	ND	5.1	.31
1,2-DICHLOROETHANE	ND	5.1	.92
1,2-DICHLOROPROPANE	ND	5.1	.4
1,2-DIBROMOETHANE	ND	5.1	.66
1,3,5-TRIMETHYLBENZENE	ND	5.1	.44
1,3-DICHLOROBENZENE	ND	5.1	.31
1,3-DICHLOROPROPANE	ND	5.1	.7
1,4-DICHLOROBENZENE	ND	5.1	.35
2,2-DICHLOROPROPANE	ND	5.1	.41
2-CHLOROTOLUENE	ND	5.1	.54
4-CHLOROTOLUENE	ND	5.1	.42
BENZENE	ND	5.1	.36
BROMOBENZENE	ND	5.1	.38
BROMOCHLOROMETHANE	ND	5.1	.84
BROMODICHLOROMETHANE	ND	5.1	.37
BROMOFORM	ND	5.1	.34
BROMOMETHANE	ND	5.1	2.6
CARBON TETRACHLORIDE	ND	5.1	.45
CHLOROETHANE	ND	5.1	.26
CHLOROETHANE	ND	10	3.3
CHLOROFORM	ND	5.1	.46
CHLOROMETHANE	ND	5.1	2.6
CIS-1,2-DICHLOROETHENE	ND	5.1	.26
CIS-1,3-DICHLOROPROPENE	ND	5.1	.34
DIBROMOCHLOROMETHANE	ND	5.1	.59
DIBROMOMETHANE	ND	5.1	.82
DICHLORODIFLUOROMETHANE	ND	10	2.8
ETHYLBENZENE	ND	5.1	.34
HEXACHLOROBUTADIENE	ND	5.1	.53
ISOPROPYL BENZENE	ND	5.1	.48
M/P-XYLENES	ND	10	.75
METHYLENE CHLORIDE	ND	10	1.5
N-BUTYLBENZENE	ND	5.1	.26
N-PROPYLBENZENE	ND	5.1	.26
NAPHTHALENE	ND	10	3.3
O-XYLENE	ND	5.1	.28
P-1 ISOPROPYLTOLUENE	ND	5.1	.26
SEC-BUTYLBENZENE	ND	5.1	.3
STYRENE	ND	5.1	.52
TERT-BUTYLBENZENE	ND	5.1	.26
TETRACHLOROETHENE	ND	5.1	.38
TOLUENE	ND	5.1	.56
TRANS-1,2-DICHLOROETHENE	ND	5.1	.34
TRANS-1,3-DICHLOROPROPENE	ND	5.1	.54
TRICHLOROETHENE	ND	5.1	.32
TRICHLOROFUOROMETHANE	2J	5.1	.28
VINYL CHLORIDE	ND	5.1	2.4
ACETONE	150	21	2.8
2-BUTANONE	17J	21	2.8
CARBON DISULFIDE	ND	5.1	.29
2-HEXANONE	ND	21	.2
4-METHYL-2-PENTANONE	ND	21	1.7

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	121	66-157
TOLUENE-DB	101	70-139
BROMOFLUOROBENZENE	94	65-145

RL: Reporting Limit
 Preservation Date: 11/02/01 11:30

SEMI VOLATILE ORGANICS BY GC/MS

```

=====
Client      : IT CORPORATION           Date Collected: 11/01/01
Project     : FORT MCCLELLAN          Date Received: 11/02/01
Batch No.   : 01K021                  Date Extracted: 11/05/01 18:30
Sample ID   : XQ0016                  Date Analyzed: 11/06/01 23:00
Lab Samp ID : K021-01                 Dilution Factor: 1
Lab File ID : RKZ057                  Matrix: SOIL
Ext Btch ID: SVK004S                  % Moisture: 4.7
Calib. Ref.: RJZ221                  Instrument ID: T-048
=====

```

PARAMETERS	RESULTS (ug/kg)	RL (ug/kg)	MDL (ug/kg)
1,2,4-TRICHLOROBENZENE	ND	350	88
1,2-DICHLOROBENZENE	ND	350	83
1,3-DICHLOROBENZENE	ND	350	62
1,4-DICHLOROBENZENE	ND	350	74
2,4,5-TRICHLOROPHENOL	ND	350	59
2,4,6-TRICHLOROPHENOL	ND	660	78
2,4-DICHLOROPHENOL	ND	350	70
2,4-DIMETHYLPHENOL	ND	350	64
2,4-DINITROPHENOL	ND	660	38
2,4-DINITROTOLUENE	ND	350	77
2,6-DINITROTOLUENE	ND	350	64
2-CHLORONAPHTHALENE	ND	350	72
2-CHLOROPHENOL	ND	350	61
2-METHYLNAPHTHALENE	ND	350	73
2-METHYLPHENOL	ND	350	53
2-NITROANILINE	ND	660	59
2-NITROPHENOL	ND	350	69
3,3'-DICHLOROENZIDINE	ND	660	56
3-NITROANILINE	ND	660	65
4,6-DINITRO-2-METHYLPHENOL	ND	660	88
4-BROMOPHENYL-PHENYL ETHER	ND	350	66
4-CHLORO-3-METHYLPHENOL	ND	350	66
4-CHLOROANILINE	ND	350	88
4-CHLOROPHENYL-PHENYL ETHER	ND	350	69
4-METHYLPHENOL (1)	ND	350	57
4-NITROANILINE	ND	350	88
4-NITROPHENOL	ND	660	88
ACENAPHTHENE	ND	350	71
ACENAPHTHYLENE	ND	350	79
ANTHRACENE	ND	350	60
BENZO(A)ANTHRACENE	ND	350	49
BENZO(A)PYRENE	ND	350	48
BENZO(B)FLUORANTHENE	ND	350	68
BENZO(K)FLUORANTHENE	ND	350	52
BENZO(G,H,I)PERYLENE	ND	350	44
BIS(2-CHLOROETHOXY)METHANE	ND	350	73
BIS(2-CHLOROETHYL)ETHER	ND	350	64
BIS(2-CHLOROISOPROPYL)ETHER	ND	350	75
BIS(2-ETHYLHEXYL)PHTHALATE	ND	350	54
BUTYLBENZYLPHTHALATE	ND	350	45
CHRYSENE	ND	350	50
DI-N-BUTYLPHTHALATE	ND	350	54
DI-N-OCTYLPHTHALATE	ND	350	74
DIBENZO(A,H)ANTHRACENE	ND	350	48
DIBENZOFURAN	ND	350	71
DIETHYLPHTHALATE	ND	350	74
DIMETHYLPHTHALATE	ND	350	73
FLUORANTHENE	ND	350	57
FLUORENE	ND	350	81
HEXACHLOROBENZENE	ND	350	52
HEXACHLOROBUTADIENE	ND	350	56
HEXACHLOROCYCLOPENTADIENE	ND	350	66
HEXACHLOROETHANE	ND	350	69
INDENO(1,2,3-CD)PYRENE	ND	350	49
ISOPHORONE	ND	350	69
N-NITROSO-DI-N-PROPYLAMINE	ND	350	75
N-NITROSODIPHENYLAMINE (2)	ND	350	52
NAPHTHALENE	ND	350	71
NITROBENZENE	ND	350	77
PENTACHLOROPHENOL	ND	660	72
PHENANTHRENE	ND	350	53
PHENOL	ND	350	59
PYRENE	ND	350	55
CARBAZOLE	ND	350	52

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4,6-TRIBROMOPHENOL	75	50-155
2-FLUOROBIPHENYL	79	32-114
2-FLUOROPHENOL	67	30-105
NITROBENZENE-D5	74	33-114
PHENOL-D5	70	30-110
TERPHENYL-D14	76	31-143

RL: Reporting Limit
(1): Cannot be separated from 3-Methylphenol
(2): Cannot be separated from Diphenylamine

SW3550B/8081A
PESTICIDES

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=====
Client      : IT CORPORATION           Date Collected: 11/01/01
Project     : FORT MCCLELLAN          Date Received: 11/02/01
Batch No.   : 01K021                  Date Extracted: 11/05/01 15:30
Sample ID   : XQ0016                  Date Analyzed: 11/08/01 19:03
Lab Samp ID: K021-01                  Dilution Factor: 1
Lab File ID: WK05185A                 Matrix          : SOIL
Ext Btch ID: CPK008S                  % Moisture     : 4.7
Calib. Ref.: WK05165A                 Instrument ID   : GCT016
=====
  
```

PARAMETERS	RESULTS		RL	MDL
	(ug/kg)		(ug/kg)	(ug/kg)
ALPHA-BHC	(ND)	ND	2.1	.22 .2
GAMMA-BHC (LINDANE)	(ND)	ND	2.1	.28 .18
BETA-BHC	(ND)	ND	2.1	.39 .24
HEPTACHLOR	(ND)	ND	2.1	.24 .33
DELTA-BHC	(ND)	ND	2.1	.25 .56
ALDRIN	(ND)	ND	2.1	.5 .75
HEPTACHLOR EPOXIDE	(ND)	ND	2.1	.18 .18
GAMMA-CHLORDANE	(ND)	ND	2.1	.22 .2
ALPHA-CHLORDANE	(ND)	ND	2.1	.18 .18
ENDOSULFAN I	(ND)	ND	2.1	.77 .34
4,4'-DDE	(ND)	ND	4.2	.96 1.1
DIELDRIN	(ND)	ND	4.2	.35 .35
ENDRIN	(ND)	ND	4.2	.35 .35
4,4'-DDD	(ND)	ND	4.2	1 1.1
ENDOSULFAN II	(ND)	ND	4.2	.37 .64
4,4'-DDT	(ND)	ND	4.2	.67 .54
ENDRIN ALDEHYDE	(ND)	ND	4.2	.35 .37
ENDOSULFAN SULFATE	(ND)	ND	4.2	.42 .58
METHOXYCHLOR.	(ND)	ND	21	3.6 2.6
ENDRIN KETONE	(ND)	ND	4.2	.45 .47
TOXAPHENE	(ND)	ND	42	8.7 8.7

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	(77) 84	62-114
DECACHLOROBIPHENYL	(82) 85	70-119

RL : Reporting limit
 Left of | is related to first column ; Right of | related to second column
 () included the reported column

EPA METHOD 8131A
HERBICIDES

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=====
Client   : IT CORPORATION           Date Collected: 11/01/01
Project  : FORT MCCLELLAN          Date Received: 11/02/01
Batch No.: 01K021                 Date Extracted: 11/08/01 19:00
Sample ID: XQ0016                 Date Analyzed: 11/09/01 01:21
Lab Samp ID: K021-01              Dilution Factor: 1
Lab File ID: QK08007A             Matrix          : SOIL
Ext Btch ID: HEK004S              % Moisture     : 4.7
Calib. Ref.: QK08002A             Instrument ID  : GCT009
=====
  
```

PARAMETERS	RESULTS (ug/kg)	RL (ug/kg)	MDL (ug/kg)
2,4-D	(ND) ND	10	3.7 5.3
2,4-DB	(ND) ND	21	6.2 8
2,4,5-T	(ND) ND	10	5.8 5.2
2,4,5-TP(SILVEX)	(ND) ND	10	5.3 5
DALAPON	(ND) ND	21	11 4.1
DICAMBA	(ND) ND	21	7.3 5.7
DICHLOROPROP	(ND) ND	10	4.4 5.1
DINOSEB	(ND) ND	10	2.1 1.7
MCPA	(ND) ND	2100	190 380
MCPB	(ND) ND	2100	180 260

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4-DCPAA	(79) 79	38-150

RL: Reporting Limit
 Left of | is related to first column; Right of | related to second column
 () included the reported data

METHOD 3050B/6010B
METALS BY ICP

```

=====
Client      : IT CORPORATION           Date Collected: 11/01/01
Project    : FORT MCCLELLAN          Date Received: 11/02/01
SDG NO.    : 01K021                  Date Extracted: 11/07/01 15:55
Sample ID  : XQ0016                   Date Analyzed: 11/08/01 23:20
Lab Samp ID: K021-01                  Dilution Factor: 1
Lab File ID: I07K024012              Matrix          : SOIL
Ext Btch ID: IPK009S                 % Moisture     : 4.7
Calib. Ref.: I07K024007              Instrument ID   : EMAXTI07
=====
  
```

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Aluminum	25600	21	5.28
Antimony	ND	10.5	4.14
Barium	44.6	1.05	.355
Beryllium	.662J	1.05	.353
Cadmium	ND	1.05	.46
Calcium	220	105	12.2
Chromium	14.8	2.1	.849
Cobalt	5.11	2.1	1.08
Copper	13.6	2.1	.823
Iron	27000	21	10.5
Magnesium	738	105	16.5
Manganese	515	1.05	.408
Nickel	12.1	2.1	.577
Potassium	827	525	75.1
Silver	ND	2.1	1.15
Sodium	51.5J	105	18.9
Vanadium	39.2	2.1	.825
Zinc	30.6	1.05	.302

RL: Reporting Limit

METHOD 3050B/6010B
METALS BY TRACE ICP

```
=====
Client      : IT CORPORATION           Date Collected: 11/01/01
Project     : FORT MCCLELLAN          Date Received: 11/02/01
SDG NO.    : 01K021                  Date Extracted: 11/07/01 15:55
Sample ID:  XQ0016                    Date Analyzed: 11/07/01 21:33
Lab Samp ID: K021-01                  Dilution Factor: 1
Lab File ID: I31K019013               Matrix          : SOIL
Ext Btch ID: IPK009S                  % Moisture     : 4.7
Calib. Ref.: I31K019008               Instrument ID  : EMAXTI31
=====
```

PARAMETERS	RESULTS (mg/kg)	RL (mg/kg)	MDL (mg/kg)
Arsenic	9.04	1.05	.157
Lead	21.3	1.05	.21
Selenium	ND	1.05	.491
Thallium	ND	2.1	.636

RL: Reporting Limit

METHOD 7471A
 MERCURY BY COLD VAPOR

Client : IT CORPORATION
 Project : FORT MCCLELLAN
 Batch No. : 01K021

Matrix : SOIL
 Instrument ID : T1047

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/kg)	DLF	MOIST	RL (mg/kg)	MDL (mg/kg)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1S	HGK011SB	ND	1	NA	.1	.025	11/08/0113:34	11/07/0120:30	M01K011044	M01K011042	HGK011S	NA	11/07/01
LCS1S	HGK011SL	.860	1	NA	.1	.025	11/08/0113:36	11/07/0120:30	M01K011045	M01K011042	HGK011S	NA	11/07/01
LCD1S	HGK011SC	.825	1	NA	.1	.025	11/08/0113:39	11/07/0120:30	M01K011046	M01K011042	HGK011S	NA	11/07/01
XQ0016	K021-01	.027J	1	4.7	.105	.0262	11/08/0116:41	11/07/0120:30	M01K012034	M01K012030	HGK011S	11/01/01	11/02/01

RL: Reporting Limit

1017

ATTACHMENT A-3

WASTE DISPOSAL DOCUMENTATION

**WASTE CHARACTERIZATION ANALYTICAL RESULTS
GENERATOR WASTE PROFILE SHEET
NON-HAZARDOUS WASTE MANIFEST**

WASTE CHARACTERIZATION ANALYTICAL RESULTS

METHOD 1311/50308/82608
 TCLP VOLATILE ORGANICS BY GC/MS

```

=====
Client       : IT CORPORATION           Date Collected: 11/07/01
Project      : FORT MCCLELLAN          Date Received: 11/09/01
Batch No.    : 01K087                  Date Extracted: 11/15/01 07:52
Sample ID    : KR0058                  Date Analyzed: 11/15/01 07:52
Lab Samp ID  : K087-08                  Dilution Factor: 10
Lab File ID  : RKW399                  Matrix          : WATER
Ext Btch ID  : V006K30                  % Moisture     : NA
Calib. Ref.  : RKW390                  Instrument ID   : T-006
=====
  
```

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
BENZENE	ND	50	10
2-BUTANONE	ND	500	23
CARBON TETRACHLORIDE	ND	50	7.5
CHLOROBENZENE	ND	50	8.8
CHLOROFORM	ND	50	10
1,4-DICHLOROETHENE	ND	50	6.5
1,2-DICHLOROETHANE	ND	50	2.7
1,1-DICHLOROETHENE	ND	50	16
TETRACHLOROETHENE	ND	50	18
TRICHLOROETHENE	ND	50	15
VINYL CHLORIDE	ND	50	19

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
1,2-DICHLOROETHANE-D4	109	62-139
TOLUENE-D8	104	75-125
BROMOFLUOROBENZENE	113	75-125

RL: Reporting Limit
 * : Out side of QC Limit
 J : An estimated value between PRL and MDL
 E : Value exceed the upper level of the initial calibration
 B : Found in the associated blank
 D : Value from dilution analysis

TCLP Extraction Date: 11/10/01 13:30

SW 1311/3520C/8270C
TCLP SEMI VOLATILE ORGANICS BY GC/MS

```

=====
Client      : IT CORPORATION           Date Collected: 11/07/01
Project     : FORT MCCLELLAN         Date Received: 11/09/01
Batch No.   : 01K087                 Date Extracted: 11/14/01 12:00
Sample ID   : KR0058                 Date Analyzed: 11/15/01 22:45
Lab Samp ID: K087-08                 Dilution Factor: 10
Lab File ID: RKX103                  Matrix          : WATER
Ext Btch ID: SVK011W                 % Moisture      : NA
Calib. Ref.: RJX336                  Instrument ID   : T-042
=====
  
```

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
2,4,5-TRICHLOROPHENOL	ND	500	42
2,4,6-TRICHLOROPHENOL	ND	100	48
2,4-DINITROTOLUENE	ND	100	62
2-METHYLPHENOL	ND	100	35
4-METHYLPHENOL (1)	ND	100	39
HEXACHLOROENZENE	ND	100	55
HEXACHLOROBUTADIENE	ND	200	39
HEXACHLOROETHANE	ND	100	40
NITROBENZENE	ND	100	51
PENTACHLOROPHENOL	ND	500	64
PYRIDINE	ND	250	86

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4,6-TRIBROMOPHENOL	107	25-134
2-FLUOROBIPHENYL	78	43-125
2-FLUOROPHENOL	71	25-125
NITROBENZENE-D5	78	32-125
PHENOL-D5	76	25-125
TERPHENYL-D14	90	42-126

RL: Reporting Limit
 (1): Cannot be separated from 3-Methylphenol
 TCLP Extraction Date on 11/10/01 12:30

~~3004~~
1023

SW1311/SW3520C/8081A
TCLP/PESTICIDES

```

=====
Client      : IT CORPORATION           Date Collected: 11/07/01
Project    : FORT MCCLELLAN          Date Received: 11/09/01
Batch No.  : 01K087                  Date Extracted: 11/14/01 12:15
Sample ID  : KRO058                   Date Analyzed: 11/17/01 04:02
Lab Samp ID: K087-08                  Dilution Factor: 10
Lab File ID: WK14148A                 Matrix          : WATER
Ext Btch ID: CPK028W                  % Moisture      : NA
Calib. Ref.: WK14128A                 Instrument ID   : GCT016
=====

```

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
GAMMA-BHC (LINDANE)	(ND) ND	.5	.08 .07
HEPTACHLOR	(ND) ND	.5	.08 .19
HEPTACHLOR EPOXIDE	(ND) ND	.5	.05 .05
GAMMA-CHLORDANE	(ND) ND	.5	.05 .06
ALPHA-CHLORDANE	(ND) ND	.5	.05 .09
ENDRIN	(ND) ND	1	.1 .1
METHOXYCHLOR	(ND) ND	5	.83 .58
TOXAPHENE	(ND) ND	30	13 13

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	(105) 121	20-145
DECACHLOROBIPHENYL	(107) 125	20-165

RL: Reporting Limit
 Left of | is related to first column ; Right of | related to second column
 () included the reported column

Date of TCLP extraction: 11/10/01 12:30

SW1311/SW3520C/8082
TCLP PCBs

```

=====
Client       : IT CORPORATION           Date Collected: 11/07/01
Project      : FORT MCCLELLAN          Date Received: 11/09/01
Batch No.    : 01K087                  Date Extracted: 11/14/01 12:15
Sample ID    : KR0058                  Date Analyzed: 11/17/01 04:02
Lab Samp ID  : K087-08                 Dilution Factor: 10
Lab File ID  : WK14148A                Matrix           : WATER
Ext Btch ID  : CPK028W                 % Moisture       : NA
Calib. Ref.  : WK14131A                Instrument ID    : GCT016
=====
  
```

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
PCB-1016	(ND) ND	10	5.7 2.5
PCB-1221	(ND) ND	10	2.5 3
PCB-1232	(ND) ND	10	2.5 2.5
PCB-1242	(ND) ND	10	2.5 2.5
PCB-1248	(ND) ND	10	2.5 2.5
PCB-1254	(ND) ND	10	2.5 2.7
PCB-1260	(ND) ND	10	2.5 2.5

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
TETRACHLORO-M-XYLENE	(105) 121	20-145
DECACHLOROBIPHENYL	(107) 125	20-165

RL: Reporting Limit
 Left of | is related to first column ; Right of | related to second column
 () included the reported column
 * Out side of QC Limit
 Date of TCLP extraction: 11/10/01 12:30

SW-1311/8151A
TCLP HERBICIDES

```
=====
Client   : IT CORPORATION           Date Collected: 11/07/01
Project  : FORT MCCLELLAN          Date Received: 11/09/01
Batch No.: 01K087                  Date Extracted: 11/15/01 21:00
Sample ID: KR0058                  Date Analyzed: 11/16/01 14:56
Lab Samp ID: K087-08              Dilution Factor: 50
Lab File ID: QK16008A             Matrix           : WATER
Ext Btch ID: HEK006W              % Moisture       : NA
Calib. Ref.: QK16002A             Instrument ID    : GCT009
=====
```

PARAMETERS	RESULTS (ug/L)	RL (ug/L)	MDL (ug/L)
2,4-D	(ND) ND	50	7.4 7.4
2,4,5-TP(SILVEX)	(ND) ND	20	9.5 9

SURROGATE PARAMETERS	% RECOVERY	QC LIMIT
2,4-DCPAA	(83) 81	30-150

RL: Reporting Limit
TCLP Extraction Date: 11/10/01 12:30

METHOD 1311/3010A/6010B
TCLP METALS BY ICP

=====
Client : IT CORPORATION Date Collected: 11/07/01
Project : FORT MCCLELLAN Date Received: 11/09/01
SDG NO. : 01K087 Date Extracted: 11/13/01 18:00
Sample ID: KR0058 Date Analyzed: 11/14/01 22:39
Lab Samp ID: K087-08 Dilution Factor: 5
Lab File ID: 107K035029 Matrix : WATER
Ext Btch ID: IPK019W % Moisture : NA
Calib. Ref.: 107K035020 Instrument ID : EMAXT107
=====

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
Barium	1.02	.05	.005
Cadmium	ND	.05	.008
Chromium	ND	.1	.022
Silver	ND	.1	.042

TCLP EXTRACTION DATE: 11/10/01 12:30

METHOD 1311/3010A/6010B
TCLP METALS BY TRACE ICP

```
=====  
Client      : IT CORPORATION           Date Collected: 11/07/01  
Project     : FORT MCCLELLAN          Date Received: 11/09/01  
SDG NO.    : 01K087                   Date Extracted: 11/13/01 18:00  
Sample ID   : KR0058                   Date Analyzed: 11/14/01 13:03  
Lab Samp ID: K087-08                   Dilution Factor: 5  
Lab File ID: I31K027038                Matrix          : WATER  
Ext Btch ID: IPK019W                    % Moisture     : NA  
Calib. Ref.: I31K027033                Instrument ID   : EMAXT131  
=====
```

PARAMETERS	RESULTS (mg/L)	RL (mg/L)	MDL (mg/L)
Arsenic	.0235J	.05	.0145
Lead	.0176J	.05	.011
Selenium	ND	.05	.0255

TCLP EXTRACTION DATE: 11/10/01 12:30

METHOD 1311/7470A
TCLP MERCURY

Client : IT CORPORATION
Project : FORT MCCLELLAN
Batch No. : 01K087

Matrix : WATER
Instrument ID : T1047

SAMPLE ID	EMAX SAMPLE ID	RESULTS (ug/L)	DLF	MOIST	RL (ug/L)	MDL (ug/L)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1W	HGK023WB	ND	1	NA	.5	.118	11/17/0120:09	11/17/0110:00	M01K022008	M01K022006	HGK023W	NA	11/17/01
LCS1W	HGK023WL	5.23	1	NA	.5	.118	11/17/0120:12	11/17/0110:00	M01K022009	M01K022006	HGK023W	NA	11/17/01
LCD1W	HGK023WC	5.16	1	NA	.5	.118	11/17/0120:14	11/17/0110:00	M01K022010	M01K022006	HGK023W	NA	11/17/01
MBLK1S	TXK003SB	ND	10	NA	5	1.18	11/17/0120:32	11/17/0110:00	M01K022017	M01K022006	HGK023W	NA	11/17/01
KR0058	K087-08	ND	10	NA	5	1.18	11/17/0120:39	11/17/0110:00	M01K022020	M01K022018	HGK023W	11/07/01	11/09/01

RL: Reporting Limit
TCLP Extraction Date: 11/10/01 12:30

METHOD 1010
IGNITABILITY

Client : IT CORPORATION
Project : FORT MCCLELLAN
Batch No. : 01K087

Matrix : SOIL
Instrument ID : T1028

SAMPLE ID	EMAX SAMPLE ID	RESULTS (oC)	DLF MOIST	RL (oC)	MDL (oC)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
KR0058	K087-08	>60	1 8.0	60	NA	11/14/0109:00	NA	IGK003S-04	NA	IGK003S	11/07/01	11/09/01
KR0058DUP	K087-08D	>60	1 8.0	60	NA	11/14/0109:15	NA	IGK003S-05	NA	IGK003S	11/07/01	11/09/01

RL: Reporting Limit

METHOD 9045C
PH

Client : IT CORPORATION
Project : FORT MCCLELLAN
Batch No. : 01K087

Matrix : SOIL
Instrument ID : T1053

SAMPLE ID	EMAX SAMPLE ID	RESULTS (pH unit)	DLF MOIST	RL (pH unit)	MDL (pH unit)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME	
KR0058	K087-08	7.29	1	NA	.1	NA	11/14/0114:05	11/14/0110:30	PHK004S-02	NA	PHK004S	11/07/01	11/09/01
KR0058DUP	K087-08D	7.45	1	NA	.1	NA	11/14/0114:10	11/14/0110:30	PHK004S-03	NA	PHK004S	11/07/01	11/09/01

RL: Reporting Limit

METHOD Chapter 7.3/SWB46
 REACTIVE CYANIDE

Client : IT CORPORATION
 Project : FORT MCCLELLAN
 Batch No. : 01K087

Matrix : SOIL
 Instrument ID : 121

SAMPLE ID	EMAX SAMPLE ID	RESULTS (mg/kg)	DLF	MOIST (mg/kg)	RL (mg/kg)	MDL (mg/kg)	Analysis DATETIME	Extraction DATETIME	LFID	CAL REF	PREP BATCH	Collection DATETIME	Received DATETIME
MBLK1S	RCK005SB	ND	1	NA	20	8.71	11/14/0110:10	11/13/0117:30	RCK005S-8	NA	RCK005S	NA	11/13/01
LCS1S	RCK005SL	26.0	1	NA	20	8.71	11/14/0110:11	11/13/0117:30	RCK005S-9	NA	RCK005S	NA	11/13/01
KR005B	K087-08	ND	1	8.0	21.7	9.47	11/14/0110:12	11/13/0117:30	RCK005S-10	NA	RCK005S	11/07/01	11/09/01
KR005BDUP	K087-08D	ND	1	8.0	21.7	9.47	11/14/0110:13	11/13/0117:30	RCK005S-11	NA	RCK005S	11/07/01	11/09/01

RL: Reporting Limit

1035

METHOD Chapter 7.3/SW846
 REACTIVE SULFIDE

Client : IT CORPORATION
 Project : FORT MCCLELLAN
 Batch No. : 01K087

Matrix : SOIL
 Instrument ID :

SAMPLE ID	EMAX SAMPLE ID	RESULTS		RL		MDL	Analysis DATETIME	Extraction		LFID	CAL REF	PREP BATCH	Collection	Received
		(mg/kg)	DLF	MOIST	(mg/kg)			(mg/kg)	DATETIME				DATETIME	DATETIME
MBLK1S	RSK005SB	ND	1	NA	20	17.6	11/14/0111:01	11/13/0117:30	RSK005S-1	NA	RSK005S	NA	11/13/01	
LCS1S	RSK005SL	199	1	NA	20	17.6	11/14/0111:06	11/13/0117:30	RSK005S-2	NA	RSK005S	NA	11/13/01	
KR0058	K087-08	ND	1	8.0	21.7	19.1	11/14/0111:11	11/13/0117:30	RSK005S-3	NA	RSK005S	11/07/01	11/09/01	
KR0058DUP	K087-08D	ND	1	8.0	21.7	19.1	11/14/0111:16	11/13/0117:30	RSK005S-4	NA	RSK005S	11/07/01	11/09/01	

RL : Reporting Limit

1036

GENERATOR WASTE PROFILE SHEET



GENERATOR WASTE PROFILE SHEET

Requested Disposal Facility: SAND VALLEY LANDFILL
an Allied Waste Company

Waste Profile #
F41 y2 DS11

I. GENERATOR INFORMATION

Date: 1-8-02

Generator Name: <u>FORT McCLELLAN</u>			
Generator Site Address: <u>BUILDING 1740 SOLDIERS CHAPEL</u>			
City: <u>ANNISTON</u>	County: <u>CALHOUN</u>	State: <u>AL</u>	Zip: <u>36205</u>
Generator State ID No: <u>AL4210020562</u>		SIC Code No:	
Generator Mailing Address (if different): <u>ENVIRONMENTAL OFFICE, BLDG 215, 15TH STREET</u>			
City: <u>FORT McCLELLAN</u>	County: <u>CALHOUN</u>	State: <u>AL</u>	Zip: <u>36205</u>
Generator Contact Name: <u>DEBBIE BERRY</u>			
Phone Number:		Fax Number:	

II. TRANSPORTER INFORMATION

Transporter Name: <u>ROBBIE D. WOOD</u>			
Transporter Address: <u>PO BOX 125</u>			
City: <u>DODD WITE</u>	County:	State: <u>AL</u>	Zip: <u>35061</u>
Transporter Contact Name: <u>ROBBIE WOOD JR</u>			
Phone Number: <u>205 744-8440</u>	Fax Number: <u>205 744-5151</u>	State Transportation #:	

III. WASTE STREAM INFORMATION

Name of Waste: <u>SOIL CONTAMINATED WITH LOW LEVELS LEAD, MERCURY, COPPER</u>	
Process Generating Waste: <u>SOIL FROM REMEDIATION ACTION</u>	
Type of waste:	<u>INDUSTRIAL PROCESS WASTE</u> or <u>POLLUTION CONTROL WASTE</u>
Physical State:	<u>SOLID</u> SEMI-SOLID POWDER LIQUID OTHER:
Method of Shipment:	<u>BULK</u> DRUM BAGGED OTHER / EXPLAIN:
Estimated Annual Volume:	CUBIC YARDS: <u>250</u> TONS: _____ OTHER:
Frequency:	<u>ONE TIME ONLY</u> DAILY WEEKLY MONTHLY OTHER / EXPLAIN:
SPECIAL HANDLING INSTRUCTIONS: <u>NA</u>	

IV. REPRESENTATIVE SAMPLE CERTIFICATION

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?		<input checked="" type="radio"/> YES or NO
Sample Date: <u>11-8-01</u>	Circle one:	<input checked="" type="radio"/> COMPOSITE SAMPLE <input type="radio"/> GRAB SAMPLE
Sampler's Employer: <u>IT CORP.</u>		
Sampler's Name (printed): <u>D. KENT GEIS</u>	Signature: <u>[Signature]</u>	

Waste Profile # F41720511

PHYSICAL CHARACTERISTICS OF WASTE

CHARACTERISTIC COMPONENTS

% BY WEIGHT (range)

- 1. LOW LEVEL LEAD, MERCURY, COPPER < 1%
- 2. CONCRETE < 20%
- 3. SOIL 79%

Color	Odor (describe):	Free Liquids: YES or NO Content _____ %	% Solids:	pH:	Flash Point:	Phenol
<u>BROWN</u>	<u>NONE</u>		<u>100%</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u> 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 its epoxides), Lindane, Methoxychlor, Toxaphene, 2, 4-D, 2, 4, 5, -TP Silvex as defined in § 40 CFR 261.33?	YES or <input checked="" type="radio"/> 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 <input checked="" type="radio"/> NO
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in § 40 CFR Part 761?	YES or <input checked="" type="radio"/> NO
Does this waste contain regulated concentrations of listed hazardous wastes defined by § 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	YES or <input checked="" type="radio"/> NO
Does this waste contain regulated concentrations of 2, 3, 7, 8-Tetrachlorodibenzodioxin (2, 3, 7, 8-TCDD), or any other dioxin as defined in § 40 CFR 261.31?	YES or <input checked="" type="radio"/> NO
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	YES or <input checked="" type="radio"/> NO
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	YES or <input checked="" type="radio"/> NO
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	YES or <input checked="" type="radio"/> NO
Is this waste generated at a Federal Superfund Clean Up Site?	YES or <input checked="" type="radio"/> 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 employees of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste, medical 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.

Jetha Chover Natural Resource Specialist Fort McCallum, AL
 AUTHORIZED REPRESENTATIVE NAME AND TITLE (Printed) COMPANY NAME

Jetha Chover 01/14/02
 AUTHORIZED REPRESENTATIVE SIGNATURE DATE

VII. ALLIED WASTE DECISION

Conditions: Approved Rejected _____ Expiration: _____

This approval is contingent upon receipt of a Notice of Special Waste Approval from the State of Alabama.

Tony Walker, Special Waste Analyst 1/17/02
 Name, Title Signature Date

NON-HAZARDOUS WASTE MANIFEST

NON-HAZARDOUS WASTE MANIFEST

Use print or type (Form designed for use on elite (12 pitch) typewriter)

UCK #126

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. AL4219020562		Manifest Document No. 01403	2. Page 1 of 1
3. Generator's Name and Mailing Address Environmental Office, Bldg. 215, 15th Street Fort McClellan, AL 36205					
4. Generator's Phone (256) 843-6561 Debbie Berry					
5. Transporter 1 Company Name Robbie D. Wood		6. US EPA ID Number ALD067138891		A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone 205/744-8440	
9. Designated Facility Name and Site Address BFI Sand Valley Landfill Collinsville, AL Paul Mottis 256/217-7219		10. US EPA ID Number		C. State Transporter's ID	
				D. Transporter 2 Phone	
				E. State Facility's ID 25-04	
				F. Facility's Phone 256/524-3208	

GENERATOR

11. WASTE DESCRIPTION	12. Containers		13. Total Quantity	14. Unit Wt./Vol.
	No.	Type		
a. Non Hazardous/Non-Regulated Material				
b.	001	DT	22	T
c.		<i>Woods</i> 176	38.92	TN
d.				

G. Additional Descriptions for Materials Listed Above. Pollution Control Waste Non-Hazardous Soil, Construction and Debris	H. Handling Codes for Wastes Listed Above BFI - Waste Profile WFM Y2 0511
--	---

15. Special Handling Instructions and Additional Information
In case of emergency, contact Jorge A. Sanchez at 770/365-4915

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name Debbie Berry	Signature <i>Debbie S. Berry</i>	Date Month Day Year 1 29 02
17. Transporter 1 Acknowledgement of Receipt of Materials	Signature <i>Frankie S. Williams</i>	Date Month Day Year 1 29 02
18. Transporter 2 Acknowledgement of Receipt of Materials	Signature	Date Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name Dwane Mitchell	Signature <i>Dwane Mitchell</i>	Date Month Day Year 1 29 02
---	------------------------------------	--

NON-HAZARDOUS WASTE MANIFEST

Use print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ALA210029562	Manifest Document No. 01403	2. Page 1 of 1
3. Generator's Name and Mailing Address Environmental Office, Bldg. 215, 15th Street Fort McClellan, AL 36205				
4. Generator's Phone (256) 848-8561 Debbie Berry				
5. Transporter 1 Company Name Robbie D. Wood		6. US EPA ID Number ALD067138891	A. State Transporter's ID	
7. Transporter 2 Company Name		8. US EPA ID Number	B. Transporter 1 Phone 256/744-3430	
9. Designated Facility Name and Site Address BFI Sand Valley Landfill Collinsville, AL Paul Mettla 256/207-7219		10. US EPA ID Number	C. State Transporter's ID	
			D. Transporter 2 Phone	
			E. State Facility's ID 25-04	
			F. Facility's Phone 256/524-3299	
11. WASTE DESCRIPTION			12. Containers	13. Total Quantity
			No.	Unit Wt./Vol.
a. Non Hazardous/Non-Regulated Material			001	DT
			wood	22
			143	30.25 TM
b.				
c.				
d.				
G. Additional Descriptions for Materials Listed Above Pollution Control Waste Non-Hazardous Soil, Construction and Debris			H. Handling Codes for Wastes Listed Above BFI - Waste Profile #F41 Y2 0511	
15. Special Handling Instructions and Additional Information In case of emergency, contact Jorge A. Sanchez at 770/365-4915				
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				
Printed/Typed Name Debbie Berry			Signature <i>Debbie Berry</i>	Date Month Day Year 01/29/02
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name MARCUS B. COLEMAN			Signature <i>Marcus B. Coleman</i>	Date Month Day Year 01/29/02
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name			Signature	Date Month Day Year
19. Discrepancy Indication Space				
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				
Printed/Typed Name Duane Mitchell			Signature <i>Duane Mitchell</i>	Date Month Day Year 1/29/02

GENERATOR TRANSPORTER FACILITY



TRUCK #114 1200

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. AL 4210020562	Manifest Document No. 01404	2. Page 1 of 1
3. Generator's Name and Mailing Address Environmental Office, Bldg. 215, 15th Street Fort McJannet, AL 36205				
4. Generator's Phone (256) 348-6551 Debbie Berry				
5. Transporter 1 Company Name Robbie D. Wood		6. US EPA ID Number ALD067128091		A. State Transporter's ID
7. Transporter 2 Company Name		8. US EPA ID Number		B. Transporter 1 Phone 256/744-8440
9. Designated Facility Name and Site Address BFI Sand Valley Landfill Collinsville, AL Paul Mottia 256/237-7219		10. US EPA ID Number		C. State Transporter's ID
				D. Transporter 2 Phone
				E. State Facility's ID 25-04
				F. Facility's Phone 256/524-3208
11. WASTE DESCRIPTION Construction Debris			12. Containers No. Type	13. Total Quantity
a. Non Hazardous/Non-Regulated Material			101 DT	22 T
b.			114 WOOD	30.45 TN
c.				
d.				
G. Additional Descriptions for Materials Listed Above Pollution Control Waste Non-Hazardous Soil, Construction and Debris			H. Handling Codes for Wastes Listed Above BFI - Waste Profile #F41 Y2 0511	
15. Special Handling Instructions and Additional Information In case of emergency, contact Jorge A. Sanchez at 770/365-4915				
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.				
Printed/Typed Name Debbie Berry		Signature Debbie B. Berry		Date 01/29/02
17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed/Typed Name LAWNS CHILDRESS		Signature LAWNS CHILDRESS		Date 01/29/02
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed/Typed Name		Signature		Date
19. Discrepancy Indication Space				
20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.				
Printed/Typed Name DUANE MITCHELL		Signature Duane Mitchell		Date 1/29/02

NON-HAZARDOUS WASTE GENERATOR

TRANSPORTER

FACILITY

RUCK #144

1225

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
AL4210020562

Manifest Document No. 01405

2. Page 1 of 1

3. Generator's Name and Mailing Address
Environmental Office, Bldg. 215, 15th Street
Fort McClellan, AL 36205

4. Generator's Phone (256) 848-6561 Debbie Berry

5. Transporter 1 Company Name
Robbie D. Wood

6. US EPA ID Number
ALD067138891

A. State Transporter's ID
B. Transporter 1 Phone 205/744-8440

7. Transporter 2 Company Name

8. US EPA ID Number
10. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone
E. State Facility's ID

9. Designated Facility Name and Site Address
BFI
Sand Valley Landfill
Collinsville, AL Paul Mottla 256/217-7219

F. Facility's Phone
25-04
256/524-3208

11. WASTE DESCRIPTION

12. Containers No. Type 13. Total Quantity 14. Unit Wt./Vol.

a. Non Hazardous/Non-Regulated Material

001 DT 22 T

b. 29.40 1M

c.

d.

G. Additional Descriptions for Materials Listed Above
Pollution Control Waste
Non-Hazardous Soil, Construction and Debris

H. Handling Codes for Wastes Listed Above
BFI - Waste Profile
#F41 Y2 0511

15. Special Handling Instructions and Additional Information
In case of emergency, contact Jorge A. Sanchez at 770/365-4915

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name
Debbie Berry

Signature
Debbie Berry

Date
Month Day Year
01 21 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
HOWARD KIRK

Signature
Howard Kirk

Date
Month Day Year
1 29 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature

Date
Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name
Duane Mitchell

Signature
Duane Mitchell

Date
Month Day Year
1 29 02

GENERATOR TRANSPORTER FACILITY

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

AL4219020562

Manifest Document No.

01406

2. Page 1 of 1

3. Generator's Name and Mailing Address

Environmental Office, Bldg. 215, 15th Street
Fort McClellan, AL 36205

4. Generator's Phone (256) 848-6561

Debbie Berry

5. Transporter 1 Company Name

Robbie D. Wood

6. US EPA ID Number

ALD067138891

7. Transporter 2 Company Name

8. US EPA ID Number

10. US EPA ID Number

9. Designated Facility Name and Site Address

BFI
Sand Valley Landfill
Collinsville, AL Paul Mottla 256/217-7219

A. State Transporter's ID

B. Transporter 1 Phone 205/744-8440

C. State Transporter's ID

D. Transporter 2 Phone

E. State Facility's ID

25-04

F. Facility's Phone

256/524-3209

11. WASTE DESCRIPTION

a. Non Hazardous/Non-Regulated Material

b.

c.

d.

G. Additional Descriptions for Materials Listed Above

Pollution Control Waste
Non-Hazardous Soil, Construction and Debris

H. Handling Codes for Wastes Listed Above

BFI - Waste Profile
SF51 Y2 0511

15. Special Handling Instructions and Additional Information

in case of emergency, contact Jorge A. Sanchez at 770/365-4915

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name

Debbie Berry

Signature

Debbie Berry

Date

Month Day Year
1 30 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MARCUS B COLEMAN

Signature

Marcus B Coleman

Date

Month Day Year
01 30 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Dwane Mitchell

Signature

Dwane Mitchell

Date

Month Day Year
1 30 02

GENERATOR FACILITY TRANSPORTER

Track # 144

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
AL4210020562

Manifest Document No. 01407

2. Page 1 of 1

3. Generator's Name and Mailing Address
Environmental Office, Bldg. 215, 15th Street
Fort McClellan, AL 36205

4. Generator's Phone (256) 848-6561 Debbie Berry

5. Transporter 1 Company Name
Robbie D. Wood
6. US EPA ID Number
ALD067138891

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
BFI
Sand Valley Landfill
Collinsville, AL Paul Mottia 256/207-7219
10. US EPA ID Number

A. State Transporter's ID
B. Transporter 1 Phone 205/784-8400
C. State Transporter's ID
D. Transporter 2 Phone
E. State Facility's ID 25-04
F. Facility's Phone 256/524-3208

11. WASTE DESCRIPTION

a. Non Hazardous/Non-Regulated Material

12. Containers	13. Total Quantity	14. Unit Wt./Vol.
No.	Type	
001	DT	ZZ
	Wood	
	144	35.26 TN

G. Additional Descriptions for Materials Listed Above
Pollution Control Waste
Non-Hazardous Soil, Construction and Debris

H. Handling Codes for Wastes Listed Above
BFI - Waste Profile
BFI Y2 0511

15. Special Handling Instructions and Additional Information
In case of emergency, contact Jorge A. Sanchez at 770/365-4915.

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Debbie Berry
Signature: Debbie S. Berry
Date: 01/30/02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Howard Kirk
Signature: Howard Kirk
Date: 1/30/02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Blank]
Signature: [Blank]
Date: [Blank]

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Duane Mitchell
Signature: Duane Mitchell
Date: 1/30/02

GENERATOR

TRANSPORTER

FACILITY

TRUCK 144 1229

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
AL4210020562

Manifest Document No. 01408

2. Page 1 of 1

3. Generator's Name and Mailing Address
Environmental Office, Bldg. 215, 15th Street
Fort McClellan, AL 36205

4. Generator's Phone (256) 848-6561 Debbie Berry

5. Transporter 1 Company Name
Robbie D. Wood
6. US EPA ID Number
ALD067138891

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
BFI
Sand Valley Landfill
Collinsville, AL Paul Mottle 256/237-7219
10. US EPA ID Number

A. State Transporter's ID
B. Transporter 1 Phone 205/744-8400
C. State Transporter's ID
D. Transporter 2 Phone
E. State Facility's ID 25-04
F. Facility's Phone 256/524-3200

11. WASTE DESCRIPTION

12. Containers

13. Total Quantity

14. Unit

a. Non Hazardous/Non-Regulated Material

No. Type
RW 144
001 DT

41.36
ZZ

TN
T

G. Additional Descriptions for Materials Listed Above
Pollution Control Waste
Non-Hazardous Soil, Construction and Debris

H. Handling Codes for Wastes Listed Above
BFI - Waste Profile
#F01, Y2 0511

15. Special Handling Instructions and Additional Information

In case of emergency, contact Jorge A. Sanchez at 770/365-4915

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Debbie Berry
Signature: [Signature]
Date: 7/30/02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: HOWARD KIRK
Signature: [Signature]
Date: 7/30/02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: [Name]
Signature: [Signature]
Date: [Date]

19. Discrepancy Indication Space

20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Wanda Sanders
Signature: [Signature]
Date: 7/30/02

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

AL4210020562

Manifest Document No.

01409

2. Page 1 of 1

3. Generator's Name and Mailing Address
 Environmental Office, Bldg. 215, 15th Street
 Fort McClellan, AL 36205

4. Generator's Phone (256) 848-5561

Debbie Berry

5. Transporter 1 Company Name
 Robble D. Wood

6. US EPA ID Number
 ALD067138891

7. Transporter 2 Company Name

8. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone 205/744-8440

C. State Transporter's ID

D. Transporter 2 Phone

E. State Facility's ID

25-04

F. Facility's Phone

256/524-3209

9. Designated Facility Name and Site Address

BFI
 Sand Valley Landfill
 Collinsville, AL Paul Mottis 256/217-7219

11. WASTE DESCRIPTION

a. Non Hazardous/Non-Regulated Material

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt./Vol.

2013

4301

TN

001

DT

22

T

G. Additional Descriptions for Materials Listed Above

Pollution Control Waste
 Non-Hazardous Soil, Construction and Debris

H. Handling Codes for Wastes Listed Above

BFI - Waste Profile
 4/24/02 0511

15. Special Handling Instructions and Additional Information

In case of emergency, contact Jorge A. Sanchez at 770/366-4015

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name

Debbie Berry

Signature

Debbie Berry

Date

Month Day Year
 1 30 02

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MARCUS B COLEMAN

Signature

MARCUS B COLEMAN

Date

Month Day Year
 01 30 02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator, Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Wanda Sanders

Signature

Wanda Sanders

Date

Month Day Year



GENERATOR

ATTACHMENT A-4
SOIL REMOVAL PHOTOGRAPHIC LOG

**Attachment A-4
Soil Removal Photographic Log**

(Page 1 of 3)



Photo A-1. Cleared area around PPMP-127-DEP02. Vegetation was left along the road to provide natural cover.



Photo A-2. Area around PPMP-127-DEP02 after contaminated soil was excavated. Pin flags mark confirmatory sample locations.

Attachment A-4
Soil Removal Photographic Log

(Page 2 of 3)



Photo A-3. Excavation area around PPMP-127-GP06 west of grease pit and washrack. The concrete was removed and staged separately from the lead-contaminated soil. The site was accessed from the back (north) side and an off-road dump was utilized to minimize site impacts.



Photo A-4. Contaminated soil was stockpiled and covered with poly sheeting (pending analysis for waste characterization) prior to transportation and disposal.

Attachment A-4
Soil Removal Photographic Log

(Page 3 of 3)



Photo A-5. View toward Soldier's Chapel after site grading using clean backfill.