



Shaw Environmental & Infrastructure, Inc.

RECEIVED MARCH 31, 2011

0097585

Geotechnical Laboratory  
304 Directors Drive  
Knoxville, TN 37923  
(865) 690-3211

**CERTIFICATE OF ANALYSIS**

Mr. Michael Neely  
CH2M Hill Plateau Remediation Company  
P.O. Box 1600  
Mail Stop – B6-06  
Richland, WA 99352

March 30, 2011

This is the Certificate of Analysis for the following samples:

Shaw Project ID: Eberline Analytical  
Shaw Project Number: 139736  
Date Received by Lab: 03/01/2011  
Number of Samples: Five (5)  
Sample Type: Soil

I. Introduction/Case Narrative

Five (5) soil samples were received by the Shaw Geotechnical Laboratory on March 1, 2011. The samples were submitted for determination of bulk density, particle size and hydraulic conductivity /permeability as listed on the Chain of Custody/Sample Analysis Requests. The sample numbers for the received samples were B2BBD4, B296R6, B2BBD5, B29HR0, and B296R7.

Please see Appendix A, Sample Number Cross Reference List; Appendix B, Analysis Results; and Appendix C, Chain-of-Custody/Sample Receipt Records

“I certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or a designee, as verified by the following signature.”

Reviewed and Approved:

R. Gregory Bennett  
Geotechnical Laboratory Manager, Technology Applications Group



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## II. Analytical Results/Methodology

REFERENCES: United Nations, *Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria*, third ed. New York, 1999. United States Army Corps of Engineers (USACE), Engineer Manual 1110-2-1906, *Laboratory Soils Testing*, appendix II, 1970; United States Environmental Protection Agency, SW846, *Test Methods for Examining Solid Waste, Physical/Chemical Methods*, 3rd ed., Nov 1986 (EPA SW-846). Annual Book of ASTM Standards, Section 4, Construction, Volume 04.08, *Soil and Rock (I)*, and Volume 04.09, *Soil and Rock (II)*, 2008. Shaw Environmental and Infrastructure, Standard Operating Procedures.

Bulk Density..... **ASTM D 2937**  
Particle Size (sieve only)..... **ASTM D 422**  
Permeability of Granular Soils..... **ASTM D 2434**

## III. Quality Control

Quality control checks such as duplicates and spikes (QC samples), are not normally applicable to geotechnical testing. This is due largely to the inability of obtaining samples with known characteristics, the heterogeneous nature of the samples, and quality control procedures built-in to the analytical method.

QC measures to ensure accuracy and precision of test results include the following:

- 100% verification of all numerical results - raw data entries, transcriptions and calculations entered by lab technicians are checked, recalculated and verified. Most data calculations are performed by computer programs.
- Data validation through test reasonableness - summaries of all test results for individual reports are reviewed to determine the overall reasonableness of data and to determine the presence of any data that may be considered outliers.
- Quality control procedures are built into most standardized geotechnical procedures. For example, liquid limit and plastic limit analyses call for re-analyses and specify acceptance criteria.
- Routine instrument calibration - instruments, gauges and equipment used in testing are calibrated on a routine basis. All instrument calibration follows ASTM or manufacturer guidelines.
- Maintenance of all past calibration records - calibration records and certification documents of all instruments, gauges and equipment are updated routinely and maintained in the Quality Control Coordinators Quality/Operations files.

- Certified and trained personnel - all technicians are trained in the application of standard laboratory procedures for geotechnical analyses as well as the quality assurance measures implemented by Shaw.
- Quantitative analyses frequently used in geotechnical/physical testing programs do not use QC tools common to wet chemistry or radiochemistry laboratories. Measures not employed in the analysis of samples reported in this report include: laboratory control samples (LCS), blanks, matrix spikes (MS), duplicate analyses, dilutions, digestions, correction factors, surrogate sample analyses, detection limit determinations, control charts, and/or tentatively identified compounds (TICs).

#### IV. Data Qualification

None

**Appendix A**  
**Sample Cross-Reference List**

Page 4 of 16  
Report No.: EBER0311068  
Mr. Michael Neely  
Client: CH2M Hill Plateau Remediation Company  
Shaw Project Name: Eberline Analytical  
Shaw Project No.: 139736

**Shaw  
Geotechnical Laboratory  
Knoxville, TN  
(865) 690-3211**

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**SAMPLE NUMBER CROSS-REFERENCE LIST**

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Lab Sample ID	Client Sample ID	MATRIX
SEK 5500	B2BBD4	SOIL
SEK 5501	B296R6	SOIL
SEK 5502	B2BBD5	SOIL
SEK 5503	B29HR0	SOIL
SEK 5504	B296R7	SOIL

**Appendix B**  
**Data Results**



**PARTICLE-SIZE DISTRIBUTION**  
**ASTM D 422**

Project Name Eberine

Field Sample No. B2BBD4

Project No. 139736.13300000

Lab Sample No. SEK 5500

Moisture Content = 13.7%

**SIEVE ANALYSIS**

C O A R S E	Sieve No.	Diameter mm	Percent Finer
	3"	75.000	100.0%
	1.5"	37.500	75.8%
	0.75"	19.000	62.0%
	0.375"	9.500	52.7%
	#4	4.750	45.4%
	#10	2.000	38.4%

F I N E	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	28.5%
	#40	0.425	18.3%
	#60	0.250	13.1%
	#100	0.149	9.5%
	#140	0.106	8.0%
	#200	0.075	6.9%

54.6% Gravel

38.5% Sand

6.9% Silt/Clay

**PARTICLE-SIZE DISTRIBUTION**  
**ASTM D 422**

Project Name Eberine

Field Sample No. B296R6

Project No. 139736.13300000

Lab Sample No. SEK 5501

Moisture Content = 9.3%

**SIEVE ANALYSIS**

C O A R S E	Sieve No.	Diameter mm	Percent Finer
	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	67.3%
	0.375"	9.500	50.8%
	#4	4.750	42.9%
	#10	2.000	38.4%

F I N E	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	35.4%
	#40	0.425	32.4%
	#60	0.250	26.0%
	#100	0.149	13.6%
	#140	0.106	9.8%
	#200	0.075	7.5%

57.1% Gravel

35.4% Sand

7.5% Silt/Clay

**PARTICLE-SIZE DISTRIBUTION  
 ASTM D 422**

Project Name Eberine

Field Sample No. B2BBD5

Project No. 139736.13300000

Lab Sample No. SEK 5502

Moisture Content = 25.8%

**SIEVE ANALYSIS**

C O A R S E	Sieve No.	Diameter mm	Percent Finer
	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	99.1%
	#4	4.750	99.0%
	#10	2.000	99.0%

F I N E	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	96.8%
	#40	0.425	74.7%
	#60	0.250	39.4%
	#100	0.149	9.2%
	#140	0.106	5.0%
	#200	0.075	3.3%

1.0% Gravel

95.7% Sand

3.3% Silt/Clay

**PARTICLE-SIZE DISTRIBUTION**  
**ASTM D 422**

Project Name Eberine

Field Sample No. B29HR0

Project No. 139736.13300000

Lab Sample No. SEK 5503

Moisture Content = 45.9%

**SIEVE ANALYSIS**

C O A R S E	Sieve No.	Diameter mm	Percent Finer
	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	100.0%
	#4	4.750	100.0%
	#10	2.000	100.0%

F I N E	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	100.0%
	#40	0.425	100.0%
	#60	0.250	99.9%
	#100	0.149	88.3%
	#140	0.106	42.9%
	#200	0.075	11.7%

0.0% Gravel

88.3% Sand

11.7% Silt/Clay



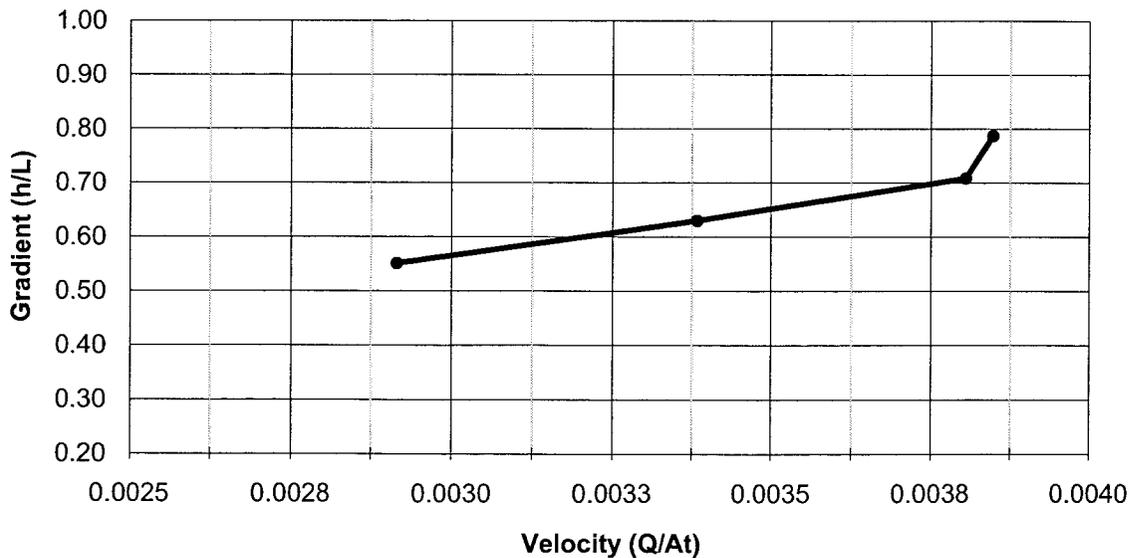
**HYDRAULIC CONDUCTIVITY / PERMEABILITY**  
**ASTM D 2434**

PROJECT NAME:	Eberline	CLIENT SAMPLE NO.	B29HR0
PROJECT NO.	139736	LAB SAMPLE NO.	SEK 5503
Specimen diameter, cm	6.35	Void ratio	1.44
Specimen length, cm	13.86		
Wet weight of specimen, g.	513.90	Specific gravity of solids, assumed	2.80
Specimen cross-sect. area, cm <sup>2</sup>	31.67		
Water content, %	2.02	Permeant Fluid	Tap Water
Wet unit weight, pcf	73.1	Material Used	-3/8 inch
Dry unit weight, pcf	71.6		

Trial no.	Head, h	Q, cm <sup>3</sup>	Time, sec	Q/At	h/L	Temp, °C	k, cm/s
1	3.5	72	780	0.00291	0.5512	23.0	4.92E-03
2	4.0	45	420	0.00338	0.6299	23.0	5.00E-03
3	4.5	94	780	0.00381	0.7087	23.0	5.00E-03
4	5.0	58.5	480	0.00385	0.7874	22.5	4.60E-03

**Coefficient of Permeability, cm/s**                      **5.00E-03**

**Velocity vs. Hydraulic Gradient**



**Appendix C**  
**Chain of Custody Records**

CH2M Hill Plateau Remediation Company

COLLECTOR *Rosanne Post Higgins*

SAMPLING LOCATION C8027 (399-1-62); 1-009

ICE CHEST NO. *UWS 252*

SHIPPED TO Shaw Group

COMPANY CONTACT RADLOFF, AW

TELEPHONE NO. 376-4554

PROJECT DESIGNATION 300 Area Remedial Investigation/Feasibility Analysis - 300-PF-5 Soils

FIELD LOGBOOK NO. *HNF-N-503-2 P. 98*

ACTUAL SAMPLE DEPTH *35.4 - 38.4*

OFFSITE PROPERTY NO. SEE PTR

PROJECT COORDINATOR RADLOFF, AW

SAF NO. F10-196

COA 300206ES10

METHOD OF SHIPMENT FEDERAL EXPRESS

PRICE CODE 8H

AIR QUALITY

DATA TURNAROUND 30 Days / 30 Days

F10-196-205

PAGE 1 OF 1

DISPOSAL weight 5.30 lbs.

SEE PTR 794473771641

SEK 5500

PRESERVATION	None
HOLDING TIME	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	1
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS
SAMPLE DATE	2-24-11
SAMPLE TIME	1517

POSSIBLE SAMPLE HAZARDS/ REMARKS  
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

SPECIAL HANDLING AND/OR STORAGE

15 of 19

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>Rosanne Post Higgins</i>	2-24-11 1600	<i>James M. Kullb</i>	2-24-11 1600
<i>James M. Kullb</i>	2-24-11 1330	<i>SSUR</i>	2-25-11 1330
<i>SSUR</i>	2-25-11 1330	<i>E.C. Christian</i>	2-28-11 0830
<i>E.C. Christian</i>	2-28-11 0830	<i>FEDEX</i>	2-28-11 1400
<i>FEDEX</i>	2-28-11 1400	<i>M. Bergin</i>	3-1-11 1100

SPECIAL INSTRUCTIONS  
\*\* The 300 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.  
(1) Bulk Density - D2937; Particle Size (Dry Sieve) - D422;

LABORATORY SECTION RECEIVED BY

FINAL SAMPLE DISPOSITION DISPOSAL METHOD

TITLE

DISPOSED BY

DATE/TIME

DATE/TIME

A-6003-618 (REV 2)

CH2M Hill Plateau Remediation Company

COLLECTOR: Aquilar, Becerra, Wallace

SAMPLING LOCATION: C8026 (399-1-61); I-009

ICE CHEST NO.: GWS-252

SHIPPED TO: Shaw Group

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COMPANY CONTACT: RADLOFF, AW

TELEPHONE NO.: 376-4554

PROJECT DESIGNATION: 300 Area Remedial Investigation/Feasibility Analysis - 300-FF-5 Soils

FIELD LOGBOOK NO.: ANF-N-491-13 Pg 18

ACTUAL SAMPLE DEPTH: 45.3 - 47.8

OFFSITE PROPERTY NO.: SEE PTR

PROJECT COORDINATOR: RADLOFF, AW

PRICE CODE: 8N

AIR QUALITY:

METHOD OF SHIPMENT: FEDERAL EXPRESS

F10-196-152

PAGE 1 OF 1

DATA TURNAROUND: 45 Days / 45 Days

POSSIBLE SAMPLE HAZARDS/ REMARKS: Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

PRESERVATION: None

HOLDING TIME: None

TYPE OF CONTAINER: Liner

NO. OF CONTAINER(S): 1

VOLUME: 1000g

SAMPLE ANALYSIS: SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE:

SAMPLE NO.: 16

MATRIX\*: SOIL

SAMPLE DATE: 2-24-11

SAMPLE TIME: 1437

DISPOSAL weight 5.81 lbs.

SEE PTR 794473771641



CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>imf...</i>	2-24-11 1525	MD-741 SSU-R3	2-24-11 1525
<i>...</i>	2/25/11-1530	<i>...</i>	2/25/11 1330
<i>...</i>	2/25/11-1400	<i>...</i>	2/25/11 1400
<i>...</i>	2/25/11 0830	E.C. CHRISTIAN	2/25/11 0830
<i>...</i>	2/25/11 1400	FEDEX	2/25/11 1400
<i>...</i>	2/25/11 1400	<i>...</i>	3-11/11:00

SPECIAL INSTRUCTIONS

\*\* The 300 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.

(1) Bulk Density - D2937; Particle Size (Dry Sieve) - D422;

LABORATORY SECTION: RECEIVED BY

FINAL SAMPLE DISPOSITION: DISPOSAL METHOD

TITLE: DATE/TIME

DISPOSED BY: DATE/TIME

CH2M Hill Plateau Remediation Company

COLLECTOR: *Reserve West Highway*

SAMPLING LOCATION: C8027 (399-1-62); I-010

ICE CHEST NO.: *6WS-252*

SHIPPED TO: Shaw Group

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COMPANY CONTACT: RADLOFF, AW

TELEPHONE NO.: 376-4554

PROJECT COORDINATOR: RADLOFF, AW

PRICE CODE: 8H

DATA TURNAROUND: 30 Days / 30 Days

PROJECT DESIGNATION: 300 Area Remedial Investigation/Feasibility Analysis - 300-FF-5 Soils

FIELD LOGBOOK NO.: *1107-11-503-2 24 99*

ACTUAL SAMPLE DEPTH: *38.4 - 40.9*

SAF NO.: F10-196

COA: 300206ES10

METHOD OF SHIPMENT: FEDERAL EXPRESS

OFFSITE PROPERTY NO.: SEE PTR

BILL OF LADING/AIR BILL NO.: *794473771641*

SEE PTR

DISPOSAL weight 5.18 lbs.

SEK5502

PRESERVATION	None
HOLDING TIME	None
TYPE OF CONTAINER	Liner
NO. OF CONTAINER(S)	1
VOLUME	1000g
SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS
SAMPLE DATE	2-25-11
SAMPLE TIME	0930
SPECIAL HANDLING AND/OR STORAGE	

POSSIBLE SAMPLE HAZARDS/REMARKS: Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)

MATRIX\*: A=Air, DL=Drum, Liquids, DS=Drum, Solids, L=Liquid, O=Oil, S=Soil, SF=Sediment, T=Tissue, V=Vegetation, W=Water, WI=Wipe, X=Other

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>Henry Levine Long Service</i>	<i>2/25/11 1330</i>	<i>Shaw Group</i>	<i>2/25/11 1330</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>J. K. ...</i>	<i>2/25/11 1400</i>	<i>SSU-R1</i>	<i>2/25/11 1400</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>E.C. Christian</i>	<i>2/28/11 0830</i>	<i>E.C. Christian</i>	<i>2/28/11 0830</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>E.C. Christian</i>	<i>2/28/11 1400</i>	<i>FEDEX</i>	<i>2/25/11 1400</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
<i>M. ...</i>	<i>3-1-11 1100</i>	<i>M. ...</i>	<i>3-1-11 1100</i>
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME

SPECIAL INSTRUCTIONS: \*\* The 300 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. (1) Bulk Density - D2937; Particle Size (Dry Sieve) - D422;

LABORATORY SECTION: RECEIVED BY

FINAL SAMPLE DISPOSITION: DISPOSAL METHOD

TITLE: DATE/TIME

DISPOSED BY: DATE/TIME

A-6003-618 (REV 2)

CH2M Hill Plateau Remediation Company  
**COLLECTOR** Crow Herrick  
**SAMPLING LOCATION** C7631 (199-H2-1), T-020  
**ICE CHEST NO.** LWS-252  
**SHIPPED TO** Shaw Group

**CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST**

**COMPANY CONTACT** RADLOFF, AW  
**TELEPHONE NO.** 376-4554  
**PROJECT COORDINATOR** RADLOFF, AW  
**PRICE CODE** 8N  
**AIR QUALITY**   
**METHOD OF SHIPMENT** FEDERAL EXPRESS

**PROJECT DESIGNATION** 100 Area Remedial Investigation/Feasibility Analysis - 100-HR-3 - Sediment  
**FIELD LOGBOOK NO.** p9 13  
**ACTUAL SAMPLE DEPTH** 158.3-160.8 Ft  
**COA** 300110ES10  
**SAF NO.** F10-214  
**BILL OF LADING/AIR BILL NO.** SEE PTR 794473771641

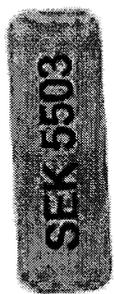
**OFFSITE PROPERTY NO.** SEE PTR  
**DISPOSAL weight** 4.60 lbs.

**F10-214-094** **PAGE 1 OF 1**  
**Data Turnaround** 30 Days/30 Days

PRESERVATION	HOLDING TIME	TYPE OF CONTAINER	NO. OF CONTAINER(S)	VOLUME	SAMPLE ANALYSIS	SAMPLE DATE	SAMPLE TIME
None	None	Liner	1	1000ml	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	2-25-11	0910

POSSIBLE SAMPLE HAZARDS/ REMARKS	SPECIAL HANDLING AND/OR STORAGE
Contains Radioactive Material at concentrations that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per DOE Order 5400.5 (1990/1993)	SOIL

RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
R Crow/R Crow	2-25-11 1225	MO-413 SSU-R1	2-25-11 1225
SSU-R1	2/28/11 0830	E.C. Christian	2/28/11 0830
E.C. Christian	2/28/11 1400	FEDEX	2/28/11 1400
E.C. Christian	3/11/11 1100	M. Borgula	3/11/11 1100
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME



ORIGINAL

CH2M Hill Plateau Remediation Company

COLLECTOR: *Aguiar, Becan, Billingsley*

SAMPLING LOCATION: C8026 (399-1-61); I-010

ICE CHEST NO.: *6WS-252*

SHIPPED TO: Shaw Group

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

COMPANY CONTACT: RADLOFF, AW

TELEPHONE NO.: 376-4554

PROJECT COORDINATOR: RADLOFF, AW

PRICE CODE: SN

DATA TURNAROUND: 45 Days / 45 Days

PROJECT DESIGNATION: 300 Area Remedial Investigation/Feasibility Analysis - 300-FF-5 Soils

FIELD LOGBOOK NO.: HNF-N-491-13 / Pg 19

ACTUAL SAMPLE DEPTH: 52.0 - 55.1

SAF NO.: F10-196

PROJECT NO.: F10-196-153

AIR QUALITY:

METHOD OF SHIPMENT: FEDERAL EXPRESS

COA: 300206ES10

BILL OF LADING/AIR BILL NO.: SEE PTR 7944737764

DISPOSAL weight 8.35 lbs.

SEK 5504

PRESERVATION: None

HOLDING TIME: None

TYPE OF CONTAINER: Liner

NO. OF CONTAINER(S): 1

VOLUME: 1000g

SAMPLE ANALYSIS: SEE ITEM (1) IN SPECIAL INSTRUCTIONS

SPECIAL HANDLING AND/OR STORAGE:

10	SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME	DATE/TIME
0296R7	SOIL		2-25-11	0945	2/25/11 1330
19					2/25/11 1400
					2/28/11 0830
					2/28/11 1400

CHAIN OF POSSESSION

RELINQUISHED BY/REMOVED FROM: *Chris Miller* DATE/TIME: 2-25-11 1330

RECEIVED BY/STORED IN: *Steve Dwork* DATE/TIME: 2/25/11 1330

RELINQUISHED BY/REMOVED FROM: *Steve Dwork* DATE/TIME: 2/25/11 1400

RECEIVED BY/STORED IN: *MO 43 SSUR* DATE/TIME: 2/25/11 1400

RELINQUISHED BY/REMOVED FROM: *E.G. Christian* DATE/TIME: 2/28/11 0830

RECEIVED BY/STORED IN: *CHRP2.0/Justin* DATE/TIME: 2/28/11 0830

RELINQUISHED BY/REMOVED FROM: *E.G. Christian* DATE/TIME: 2/28/11 1400

RECEIVED BY/STORED IN: *FEDEX* DATE/TIME: 2/28/11 1400

RELINQUISHED BY/REMOVED FROM: *Steve Dwork* DATE/TIME: 2/28/11 1600

RECEIVED BY/STORED IN: *M. Borgia* DATE/TIME: 3-1-11 1100

RELINQUISHED BY/REMOVED FROM: DATE/TIME: DATE/TIME

RECEIVED BY/STORED IN: DATE/TIME: DATE/TIME

LABORATORY SECTION: RECEIVED BY: TITLE: DATE/TIME:

FINAL SAMPLE DISPOSITION: DISPOSAL METHOD: DATE/TIME:

DISPOSED BY: DATE/TIME:

SPECIAL INSTRUCTIONS: \*\* The 300 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. (1) Bulk Density - D2937; Particle Size (Dry Sieve) - D422;