



Shaw Environmental & Infrastructure, Inc.

RECEIVED JANUARY 19, 2011

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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

January 18, 2011

*EBER 1210043
KB
1-24-11*

This is the Certificate of Analysis for the following samples:

Shaw Project ID: Eberline Analytical
Shaw Project Number: 139736
Date Received by Lab: 12/20/10
Number of Samples: Five (5)
Sample Type: Soil

I. Introduction/Case Narrative

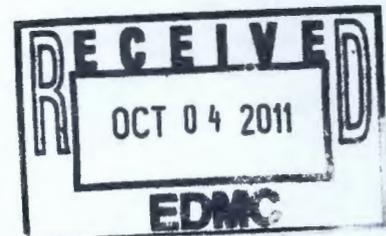
Five (5) soil samples were received by the Shaw Geotechnical Laboratory on December 20, 2010. The samples were submitted for determination of bulk density, moisture content, particle size, and saturated hydraulic conductivity/ permeability as listed on the Chain of Custody/Sample Analysis Request. The sample numbers received were B27K64, B27K68, B27NF0, B27NF4, and B27HR8.

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 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



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
Moisture Content of Soil and Rock	ASTM D 2216
Particle Size (sieve only).....	ASTM D 422
Permeability.....	ASTM D 5084
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 heterogenous 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

Appendix A
Sample Cross-Reference List

Page 4 of 16
Report No.: EBER1210043
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

SAMPLE NUMBER CROSS-REFERENCE LIST

Lab Sample ID	Client Sample ID	MATRIX
SEK 5227	B27K64	SOIL
SEK 5228	B27K68	SOIL
SEK 5229	B27NF0	SOIL
SEK 5230	B27NF4	SOIL
SEK 5231	B27HR8	SOIL

Appendix B
Data Results

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name Eberine

Field Sample No. B27NF0

Project No. 139736.11000000

Lab Sample No. SEK 5229

Moisture Content = 13.8%

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	98.8%
	0.375"	9.500	90.8%
	#4	4.750	85.5%
	#10	2.000	80.2%

F I N E	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	76.5%
	#40	0.425	59.2%
	#60	0.250	30.2%
	#100	0.149	11.9%
	#140	0.106	8.2%
	#200	0.075	6.2%

14.5% Gravel

79.3% Sand

6.2% Silt/Clay

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name Eberine

Field Sample No. B27NF4

Project No. 139736.11000000

Lab Sample No. SEK 5230

Moisture Content = 8.0%

SIEVE ANALYSIS

C O A R S E	Sieve No.	Diameter mm	Percent Finer
	3"	75.000	100.0%
	1.5"	37.500	83.9%
	0.75"	19.000	56.3%
	0.375"	9.500	39.0%
	#4	4.750	32.8%
	#10	2.000	29.1%

F I N E	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	26.3%
	#40	0.425	24.3%
	#60	0.250	19.1%
	#100	0.149	10.7%
	#140	0.106	7.0%
	#200	0.075	4.6%

67.2% Gravel

28.2% Sand

4.6% Silt/Clay

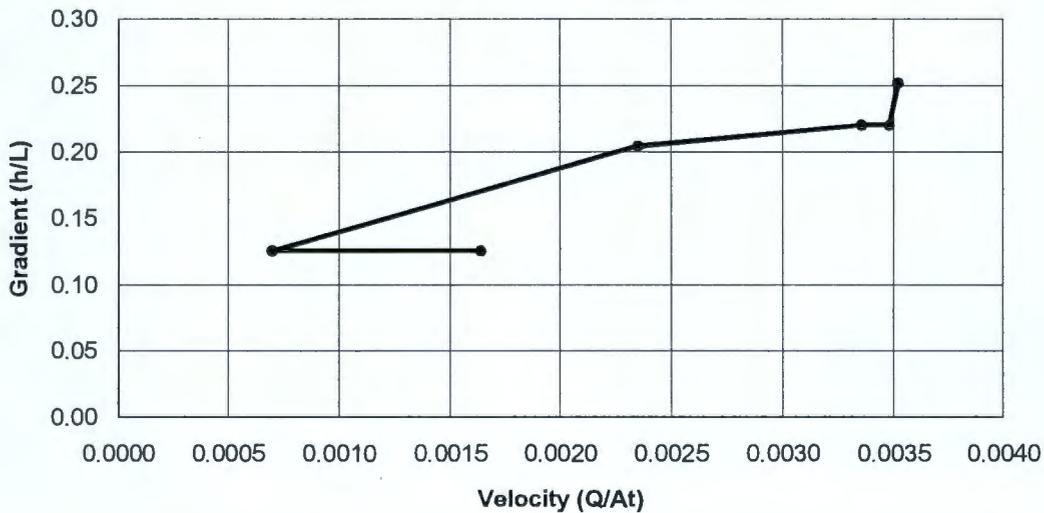
HYDRAULIC CONDUCTIVITY / PERMEABILITY
ASTM D 2434

PROJECT NAME:	Eberline	CLIENT SAMPLE NO.	B27NF0
PROJECT NO.	139736	LAB SAMPLE NO.	SEK 5229
Specimen diameter, cm	6.35	Void ratio	1.16
Specimen length, cm	11.1696		
Wet weight of specimen, g.	616.1	Specific gravity of solids, assumed	2.80
Specimen cross-sect. area, cm ²	31.67		
Water content, %	0.44	Permeant Fluid	Tap Water
Wet unit weight, pcf	81.3	Material Used	-3/8 inch
Dry unit weight, pcf	81.0		

Trial no.	Head, h	Q, cm ³	Time, sec	Q/At	h/L	Temp, °C	k, cm/s
1	1.6	214	1920	0.00352	0.2520	22.0	1.33E-02
2	1.4	238	2160	0.00348	0.2205	23.0	1.47E-02
3	1.4	172	1620	0.00335	0.2205	22.0	1.45E-02
4	1.3	134	1800	0.00235	0.2047	23.0	1.07E-02
5	0.8	65	2940	0.00070	0.1260	22.0	5.28E-03
6	0.8	140	2700	0.00164	0.1260	22.0	1.24E-02

Coefficient of Permeability, cm/s 1.47E-02

Velocity vs. Hydraulic Gradient



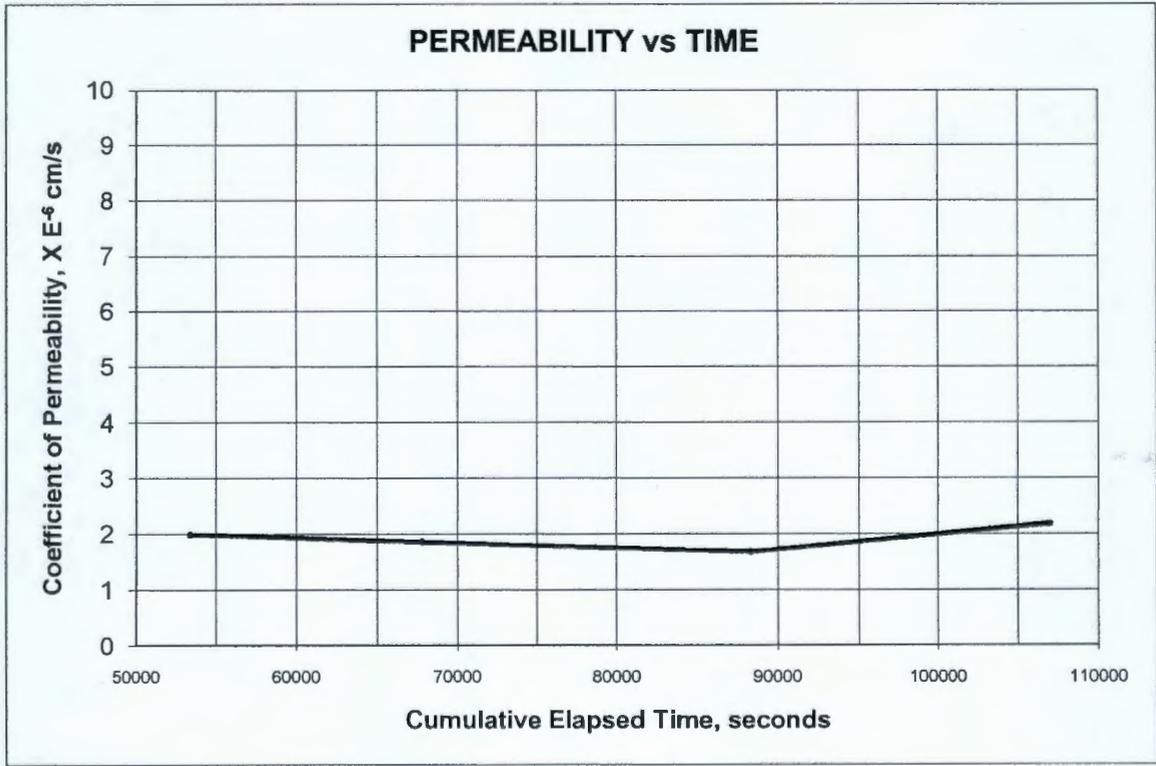
HYDRAULIC CONDUCTIVITY / PERMEABILITY
ASTM D 5084

PROJECT NAME: Eberline
 PROJECT NO. 139736.11000000

CLIENT SAMPLE NO. B27NF4
 LAB SAMPLE NO. SEK 5230

	INITIAL	FINAL		
Specimen diameter, cm	5.12			
Specimen length, cm	9.28		Hydraulic gradient	15.2
Wet weight of specimen, g.	371.22		Min. consolidation stress, psi	2.0
Specimen cross-sect. area, cm ²	20.59		Max. consolidation stress, psi	4.0
Water content, %	8.0		Total backpressure, psi	56.0
Wet unit weight, pcf	121.3		Permeant Fluid	Deaired DI Water
Dry unit weight, pcf	112.3			
Est. degree of saturation, %	44.9	44.9		
Specific gravity of solids, assumed	2.65			

Coefficient of Permeability, cm/s 1.9E-06



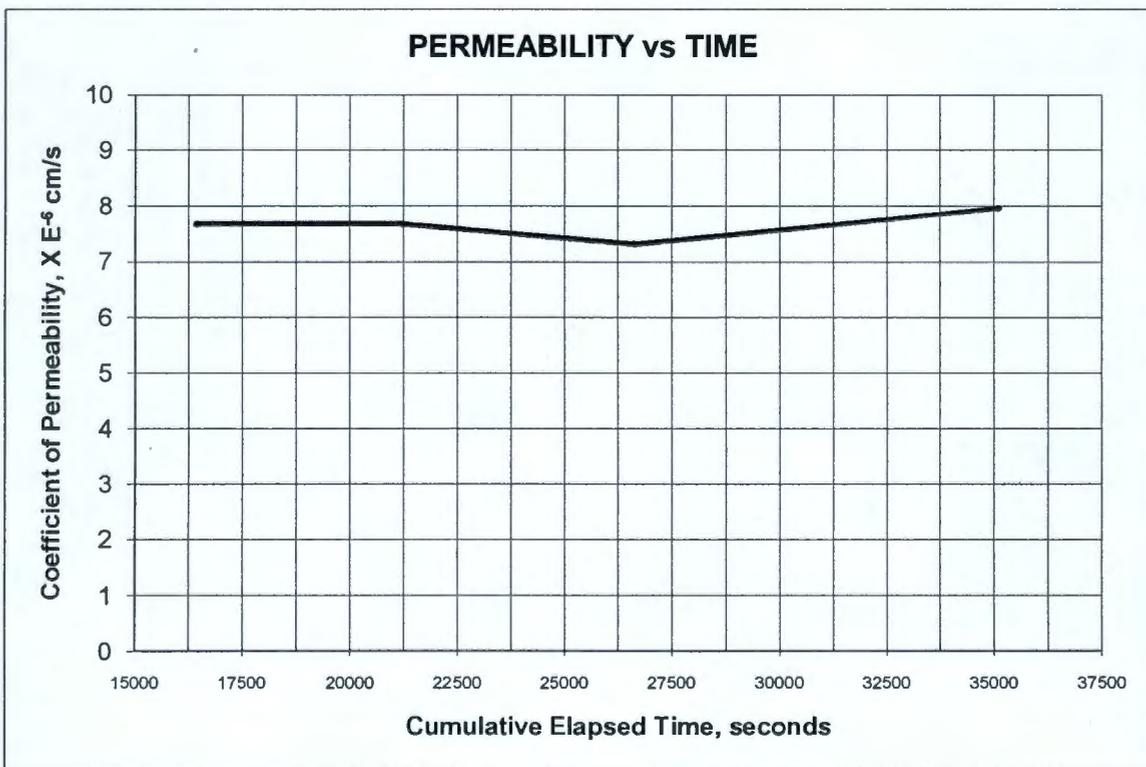
HYDRAULIC CONDUCTIVITY / PERMEABILITY
ASTM D 5084

PROJECT NAME: Eberline
 PROJECT NO. 139736.11000000

CLIENT SAMPLE NO. B27HR8
 LAB SAMPLE NO. SEK 5231

	INITIAL	FINAL	
Specimen diameter, cm	4.88		
Specimen length, cm	8.49		Hydraulic gradient
Wet weight of specimen, g.	327.7		16.6
Specimen cross-sect. area, cm ²	18.73		Min. consolidation stress, psi
Water content, %	9.8		2.0
Wet unit weight, pcf	128.7		Max. consolidation stress, psi
Dry unit weight, pcf	117.2		4.0
Est. degree of saturation, %	63.1	63.1	Total backpressure, psi
Specific gravity of solids, assumed	2.65		56.0
			Permeant Fluid
			Deaired DI Water

Coefficient of Permeability, cm/s **7.7E-06**



Appendix C
Chain of Custody Records

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F10-196-096	PAGE 1 OF 1
COLLECTOR <i>Rosario Luis Kauer Higuera</i>	COMPANY CONTACT DYERMAN, DL	TELEPHONE NO. 373-2530	PROJECT COORDINATOR DYERMAN, DL		PRICE CODE	SN
SAMPLING LOCATION C7659 (399-1-99); 1-017	PROJECT DESIGNATION 300 Area Remedial Investigation/Feasibility Analysis - 300-PF-5 Soils	SAF NO. F10-196	AIR QUALITY <input type="checkbox"/>		DATA TURNAROUND 45 Days / 45 Days	
ICE CHEST NO. GWS-189-02	FIELD LOGBOOK NO. HNE-N-505-2 pg 75	ACTUAL SAMPLE DEPTH 116.8 - 119.3	COA 300204E510	METHOD OF SHIPMENT FEDERAL EXPRESS		
SHIPPED TO Shaw Group	OFFSITE PROPERTY NO. SEE PTR	BILL OF LADING/AIR BILL NO. SEE PTR		7885672-13052 ^{6ms} 12-17-10		

MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS	PRESERVATION	None
A=Air BL=Drum Liquids NS=Drum S=Soils L=Liquid O=Oil S=Soil SE=Substrate T=Residue V=Vegetation W=Water WT=Wipe X=Other	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)	HOLDING TIME	None
		TYPE OF CONTAINER	Low
		NO. OF CONTAINER(S)	1
		VOLUME	1000g
	SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	Soil Toxicity - 0.75%

7885674 34373

3070 grams

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B27K64	SOIL	12-15-10	0940

SEK 5227

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM <i>Larry Kauer</i>	DATE/TIME 12-15-10 1500	RECEIVED BY/STORED IN SSU-21	DATE/TIME 12-15-10 1500	** The 300 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. <div style="border: 1px solid black; padding: 5px; display: inline-block;">ORIGINAL</div>	
RELINQUISHED BY/REMOVED FROM <i>MOA/3 Soils</i>	DATE/TIME DEC 17 2010 0700	RECEIVED BY/STORED IN <i>Timothy CRPO</i>	DATE/TIME DEC 17 2010 0700		
RELINQUISHED BY/REMOVED FROM <i>Michelle</i>	DATE/TIME DEC 17 2010 1400	RECEIVED BY/STORED IN FEDEX	DATE/TIME DEC 17 2010		
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		
LABORATORY SECTION	RECEIVED BY <i>Paul Johnson</i>	TITLE R50	DATE/TIME 12-20-10 1330		
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME		

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CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F10-196-098	PAGE 1 OF 1
COLLECTOR <i>Leslie Ross Kaiser Higgins</i>	COMPANY CONTACT DYKMAN, DL	TELEPHONE NO. 373-2530	PROJECT COORDINATOR DYKMAN, DL	PRICE CODE 8N	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C7659 (399-1-59); E-019	PROTECT DESIGNATION 300 Area Remedial Investigation/Ferriability Analysis - 300-PF-5 Soils	SAF NO. F10-196	AIR QUALITY <input type="checkbox"/>	METHOD OF SHIPMENT FEDERAL EXPRESS	
ICE CHEST NO. GWS-189-02	FIELD LOGBOOK NO. HNF-N-503-2 pg 75	ACTUAL SAMPLE DEPTH 146.2 - 148.7	CGA 300204ES10	BILL OF LADING/AIR BILL NO. SEE PTR	
SHIPPED TO Shaw Group	OFFSITE PROPERTY NO. SEE PTR	780567243052 12-17-10 780567434373 2/80 gms			

MATRIX* A=Air SL=Soil LI=Liquid DS=Down SO=Soils L=Liquid CS=Soil S=Soil SE=Sediment T=Tree V=Vegetation W=Water WI=Wipe X=Other	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
	SPECIAL HANDLING AND/OR STORAGE	HOLDING TIME None
		TYPE OF CONTAINER Unit
		NO. OF CONTAINER(S) 1
		VOLUME 1000s
	SAMPLE ANALYSIS Bulk Sample - 600g	

SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME
B27K88	SCIL	12-15-10	1335

SEK 5228

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM <i>Leslie Ross Kaiser Higgins</i>	DATE/TIME 12-15-10 / 1500	RECEIVED BY/STORED IN SSU-R1	DATE/TIME 12-15-10 / 1500	** The 300 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. 	
RELINQUISHED BY/REMOVED FROM MO-413 SSU-R1	DATE/TIME DEC 17 2010 0700	RECEIVED BY/STORED IN CHRPG	DATE/TIME DEC 17 2010 0700		
RELINQUISHED BY/REMOVED FROM LA Wallace	DATE/TIME DEC 17 2010 1430	RECEIVED BY/STORED IN FEDEX	DATE/TIME DEC 17 2010		
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		
LABORATORY SECTION	RECEIVED BY <i>[Signature]</i>	TITLE R50	DATE/TIME 12-20-10 / 1330		
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME		

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CH2MHILL Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F10-225-070	PAGE 1 OF 1
COLLECTOR <i>Farris Anderson, Zinner</i>	COMPANY CONTACT DALE DYERMAN	TELEPHONE NO. (809) 373-2530	PROJECT COORDINATOR DYERMAN, DL		PRICE CODE BN	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C783 (199-52-15); I-089	PROJECT DESIGNATION 100 Area Remedial Investigation/Feasibility Analysis - 100-BC Soils		SAF NO. F10-225	AIR QUALITY <input type="checkbox"/>	45 Days / 45 Days	
ICE CHEST NO. <i>GWS-189-02</i>	FIELD LOGBOOK NO. <i>HAF-W-585-15 #23</i>	ACTUAL SAMPLE DEPTH <i>195.9' - 188.3'</i>	COA 300078E510	METHOD OF SHIPMENT FEDERAL EXPRESS		
SHIPPED TO Shaw Group	OFFSITE PROPERTY NO. SEE PTR	BILL OF LADING/AIR BILL NO. SEE PTR		<i>12-17-10</i> 786567243052 <i>786567434373</i>		
MATRIX* A=Air DL=Drum L=Liquid DS=Drum S=Soil L=Liquid D=Oil S=Soil SF=Sediment T=Trace V=Vegetation W=Water WI=Wipe X=Other	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	None			
		HOLDING TIME	6 Months	None		
		TYPE OF CONTAINER	Liner	Moisture Resistant		
		NO. OF CONTAINER(S)	1	5		
		VOLUME	1000g	200g		
	SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	NO TYPING INSTRUCTIONS	Moisture Content - 02/56		
SAMPLE NO. B27NFO	MATRIX* SOIL	SAMPLE DATE 12-15-10	SAMPLE TIME 1015	SEK 5229		

2910 grams

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM <i>Calvin Harris / Calvin Harris</i>	DATE/TIME <i>12-15-10 1500</i>	RECEIVED BY/STORED IN <i>MA 223 - SSU-R1</i>	DATE/TIME <i>12-15-10 1500</i>	** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. <input type="checkbox"/> <input type="checkbox"/> ** Physical Properties laboratory: Conduct the hydraulic conductivity test (ASTM 5084 or 2434) as appropriate to the sample matrix. (1) Permeability - D2434 (Hydraulic Conductivity); Bulk Density - D2937; Particle Size (Dry Sieve) - D422; Saturated Hydraulic Conductivity (Hydraulic Conductivity);	
RELINQUISHED BY/REMOVED FROM <i>MO 413 SSU-R1</i>	DATE/TIME <i>DEC 17 2010 0700</i>	RECEIVED BY/STORED IN <i>T.A. Williams</i>	DATE/TIME <i>DEC 17 2010 0700</i>		
RELINQUISHED BY/REMOVED FROM <i>T.A. Williams</i>	DATE/TIME <i>DEC 17 2010 1400</i>	RECEIVED BY/STORED IN <i>FEDEX</i>	DATE/TIME <i>DEC 17 2010</i>		
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		
LABORATORY SECTION	RECEIVED BY <i>Paul Johnson</i>	TITLE <i>RSB</i>	DATE/TIME <i>12-20-10 1330</i>	<div style="border: 1px solid black; padding: 5px; display: inline-block;">ORIGINAL</div>	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME		

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CH2MHILL Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			F10-225-073	PAGE 1 OF 1
COLLECTOR <i>Facris, Anderson, Zunker</i>	COMPANY CONTACT DALE DYERMAN	TELEPHONE NO. (509) 373-2530	PROJECT COORDINATOR DYERMAN, DL		PRICE CODE BN	DATA TURNAROUND 45 Days / 45 Days
SAMPLING LOCATION C7783 (199-82-15); 14010	PROJECT DESIGNATION 100 Area Remedial Investigation/Feasibility Analysis - 100-BC Soils	SAF NO. F10-225	AIR QUALITY <input type="checkbox"/>		METHOD OF SHIPMENT FEDERAL EXPRESS	
ICE CHEST NO. <i>GL3-189-02</i>	FIELD LOGBOOK NO. <i>100F-0 545-15 #29</i>	ACTUAL SAMPLE DEPTH <i>191.5 - 193.4</i>	COA 300078E510	BILL OF LADING/AIR BILL NO. 780507243052 <i>10-17-10</i>		
SHIPPED TO Shaw Group	OFFSITE PROPERTY NO. SEE PTR	SEE PTR		SEE PTR		

MATRIX* A=Air DL=Dross L=Liquid D=Oil S=Soil SE=Substrate T=Trace V=Vegetation W=Water WE=Wet X=Other	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	None
	SPECIAL HANDLING AND/OR STORAGE	HOLDING TIME	# Months	None
		TYPE OF CONTAINER	Leak	Positive Sealant Cont.
		NO. OF CONTAINER(S)	1	1
		VOLUME	1000g	200g
	SAMPLE ANALYSIS	SEE TEST (S) OR SPECIAL INSTRUCTIONS	Monitor Element - 238Pu	

SAMPLE NO. B27NF4	MATRIX* SOIL	SAMPLE DATE 12-15-10	SAMPLE TIME 1400	SEK 5230
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CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM <i>Colin...</i>	DATE/TIME <i>12-15-10</i>	RECEIVED BY/STORED IN <i>...</i>	DATE/TIME <i>12-15-10 1500</i>	** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. <input type="checkbox"/> Physical Properties laboratory: Conduct the hydraulic conductivity test (ASTM 5084 or 2434) as appropriate to the sample matrix. (1) Permeability - D2434 (Hydraulic Conductivity); Bulk Density - D2937; Particle Size (Dry Sieve) - D422; Saturated Hydraulic Conductivity (Hydraulic Conductivity);	
RELINQUISHED BY/REMOVED FROM <i>...</i>	DATE/TIME <i>DEC 17 2010 0700</i>	RECEIVED BY/STORED IN <i>...</i>	DATE/TIME <i>DEC 17 2010 0700</i>		
RELINQUISHED BY/REMOVED FROM <i>...</i>	DATE/TIME <i>DEC 17 2010 1400</i>	RECEIVED BY/STORED IN <i>...</i>	DATE/TIME <i>DEC 17 2010</i>		
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		
LABORATORY SECTION	RECEIVED BY <i>...</i>	TITLE <i>RSD</i>	DATE/TIME <i>12-20-10 @ 1330</i>		
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME		

ORIGINAL

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CH2MHILL Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F10-207-047	PAGE 1 OF 1
COLLECTOR <i>D. Wells</i>	COMPANY CONTACT DYERMAN, DL	TELEPHONE NO. 373-2530	PROJECT COORDINATOR RADLOFF, AW		PRICE CODE 8N	Data Turnaround 30 Days/30 Days	
SAMPLING LOCATION C7695 (1994-195); I-049	PROJECT DESIGNATION 100 Area Remedial Investigation/Feeability Analysis - 100-NR-4 Soils		SAF NO. F10-207		AIR QUALITY <input type="checkbox"/>		
ICE CHEST NO. <i>GLS-189-02</i>	FIELD LOGBOOK NO. <i>HATN-553-3/24</i>	ACTUAL SAMPLE DEPTH <i>18.6' - 19.5'</i>		COA 30082ES1G	METHOD OF SHIPMENT FEDERAL EXPRESS		
SHIPPED TO Shaw Group	OFFSITE PROPERTY NO. SEE PTR	BILL OF LADING/AIR BILL NO. 786567234373		<i>786567434373</i>			
MATRIX* A=Air OL=Drum Liquids OS=Drum Solids L=Liquid O=Oil S=Soil SL=Sediment T=Tissue V=Vegetation W=Water WO=Sludge X=Other	POSSIBLE SAMPLER 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	None			
		HOLDING TIME	None	None			
		TYPE OF CONTAINER	Liner	Neoprene Amalgam Tank			
		NO. OF CONTAINER(S)	1	1			
		VOLUME	1000g	200g			
	SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS	SEE ITEM (1) IN SPECIAL INSTRUCTIONS	Residual Content - DETR:			
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME				
B27HR6	SOIL	12-16-10	1450	X	X		

SEK 5231

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM <i>Dan O'Connell</i>	DATE/TIME <i>12-16-10/1400</i>	RECEIVED BY/STORED IN <i>MC 413 SSU-R1</i>	DATE/TIME <i>12-16-10/1400</i>	** The CACN for all analytical work at WSCF laboratory is 401697ES20. ** The 100 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF. (1) Bulk Density - D2937; Saturated Hydraulic Conductivity (Hydraulic Conductivity); Permeability - D2434 (Hydraulic Conductivity);	
RELINQUISHED BY/REMOVED FROM <i>MC 413 SSU-R1</i>	DATE/TIME <i>DEC 17 2010 0700</i>	RECEIVED BY/STORED IN <i>CH2M HILL</i>	DATE/TIME <i>DEC 17 2010 0700</i>		
RELINQUISHED BY/REMOVED FROM <i>TA Wells</i>	DATE/TIME <i>DEC 17 2010 1400</i>	RECEIVED BY/STORED IN FEDEX	DATE/TIME <i>DEC 17 2010</i>		
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		
LABORATORY SECTION	RECEIVED BY <i>[Signature]</i>	TITLE <i>ASD</i>	DATE/TIME <i>12-20-10 @ 1330</i>	<div style="border: 1px solid black; padding: 5px; display: inline-block;">ORIGINAL</div>	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME		

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