



August 1, 2016

Contract #: 54813

CH2M HILL Plateau Remediation Company
 2420 Stevens Center Place
 P.O. Box 1600
 Richland, WA 99354
 Attn.: Tracey A. Burch

Subject: Geotechnical Laboratory Testing Services, Data Deliverable for SDG # W603011, Rev. 2

Enclosed is the final report on geotechnical analyses performed by RJ Lee Group Inc. in conjunction with PBS Engineering and Environmental, Inc. (PBS) for Sample Delivery Group number (SDG #) W603011.

This revision was caused by issues noted by CHPRC in the attached P&D report. No data or results by PBS were affected.

General Set Comments

RJ Lee Group received from CH2M-Hill Plateau Remediation Company (CHPRC) 32 samples to be tested for geotechnical analysis at the Columbia Basin Analytical Laboratories. The SIR associated with this SDG attached.

The CHPRC sample, in SDG # W603011, has been assigned a PBS Geotechnical Lab Sample number per the below table.

SDG #	CHPRC Sample #	Borehole Core ID	Length Logged (ft)	Interval Logged (ft bgs)	Aliquots	Aliquot Depth	Date Processed
W603011	B340T1	C9550 Core 1	5	43.7 - 48.7	No	N/A	3/30/2016
W603011	B340T3	C9550 Core 2	5	47.9 - 52.9	Yes	49.9 - 51.9	3/18/2016
W603011	B340T5	C9550 Core 3	5	53.0 - 58.0	No	N/A	3/16/2016
W603011	B340T7	C9550 Core 4	5	58.0 - 63.0	No	N/A	3/17/2016
W603011	B340T9	C9550 Core 5	5	63.2 - 68.2	Yes	66.6 - 67.6	3/24/2016
W603011	B340V1	C9550 Core 6	5	68.0 - 73.0	No	N/A	3/30/2016
W603011	B340V3	C9550 Core 7	5	73.1 - 78.1	No	N/A	3/30/2016
W603011	B340V5	C9550 Core 8	5	78.1 - 83.1	No	N/A	3/30/2016
W603011	B340V7	C9550 Core 9	5	83.2 - 88.2	No	N/A	3/30/2016
W603011	B340V9	C9550 Core 10	5	88.0 - 93.0	No	N/A	3/22/2016
W603011	B340W1	C9550 Core 11	5	93.3 - 98.3	No	N/A	3/23/2016
W603011	B340W3	C9550 Core 12	5	98.1 - 103.1	Yes	100.8 - 101.8	3/24/2016
W603011	B340W5	C9550 Core 13	5	103.2 - 108.2	No	N/A	3/23/2016
W603011	B340W7	C9550 Core 14	5	108.2 - 113.2	Yes	110.2 - 111.2	3/25/2016
W603011	B340W9	C9550 Core 15	5	113.0 - 118.0	No	N/A	3/23/2016
W603011	B340X1	C9550 Core 16	5	118.0 - 123.0	No	N/A	3/23/2016
W603011	B340X3	C9550 Core 17	5	123.1 - 128.1	No	N/A	3/23/2016
W603011	B340X5	C9550 Core 18	5	128.0 - 133.0	Yes	129.5 - 130.5	3/24/2016
W603011	B340X7	C9550 Core 19	5	133.2 - 138.2	No	N/A	3/30/2016
W603011	B340X9	C9550 Core 20	5	138.0 - 143.0	No	N/A	3/30/2016

W603011	B340Y1	C9550 Core 21	5	143.0 - 148.0	No	N/A	3/31/2016
W603011	B340Y3	C9550 Core 22	5	148.0 - 153.0	No	N/A	3/31/2016
W603011	B340Y5	C9550 Core 23	5	153.3 - 158.3	Yes	154.0 - 155.0	3/29/2016
W603011	B340Y7	C9550 Core 24	5	158.0 - 163.0	No	N/A	3/31/2016
W603011	B340Y9	C9550 Core 25	5	163.1 - 168.1	No	N/A	4/1/2016
W603011	B34101	C9550 Core 26	5	168.0 - 173.0	No	N/A	4/1/2016
W603011	B34103	C9550 Core 27	5	173.2 - 178.2	Yes	175.5 - 176.5	3/24/2016
W603011	B34105	C9550 Core 28	5	178.0 - 183.0	No	N/A	4/1/2016
W603011	B34107	C9550 Core 29	5	183.1 - 188.1	No	N/A	4/5/2016
W603011	B34109	C9550 Core 30	5	188.1 - 193.1	No	N/A	4/5/1946
W603011	B34111	C9550 Core 31	5	193.2 - 198.2	Yes	194.0 - 196.0	3/29/2016
W603011	B34113	C9550 Core 32	2	198.0 - 200.0	No	N/A	4/5/2016

This project deliverable, provided in Attachment 1, contains the reports of the requested analytical results and a copy of the associated chain of custody for the sample listed above.

The analytical results provided in this deliverable relate only to the items tested. The sample was received in acceptable condition unless otherwise noted in the attached report(s).

I certify that this analytical report is in compliance with the Hanford SOW, both technically and for completeness. Release of the data contained in this hard copy report has been authorized by the Laboratory Director or a designee as verified by the following signature.



08/01/2016

Richard Westberg
Laboratory Director, Columbia Basin Analytical Laboratories

Date

If you have any questions, please feel free to contact us at 509-545-4989 or email at rwestberg@rjleegroup.com.

Attachment 1

PBS Geotechnical laboratory Testing Results, SDG # W603011,
dated August 1, 2016



Engineering + Environmental

April 13, 2016

Mr. Larry Lockrem
RJ Lee Group, Inc.
Columbia Basin Analytical Laboratories
2710 North 20th Avenue
Pasco, Washington 93301

**Subject: Geotechnical Laboratory Testing
 Sample Delivery Group No. W603011
 PBS Project No. 63797.003**

Dear Mr. Lockrem:

In accordance with your request, PBS Engineering and Environmental Inc. (PBS) is providing you with the results of our recent geologic core logging and aliquot sampling. Our services were provided in accordance with the request provided with Sample Delivery Group (SDG) number W603011.

Samples were processed in accordance with the following procedures and inclusive standards and practices.

- Core logging per GTL-009.00 – Geologic Logging of Soils (CHPRC procedure GRP-EE-01-7.0 – Geologic Logging)(ASTM D2488-09a- Standard Practice for Description and Identification of Soils)
- Core aliquot sampling per GTL-011.00 “Sample Aliquot Collection” and GEN-008.09 “Sample Receipt and Management”

The following 32 cores were processed to include 156 ft of logged sediment and 8 aliquot samples.

SDG#	Borehole ID	Core #	Core HEIS#	Aliquot HEIS#	
				TARL	TASL
W603011	C9550	1	B340T1	-	-
W603011	C9550	2	B340T3	B34T20	B34T21
W603011	C9550	3	B340T5	-	-
W603011	C9550	4	B340T7	-	-
W603011	C9550	5	B340T9	B34T22	B34T23
W603011	C9550	6	B340V1	-	-
W603011	C9550	7	B340V3	-	-
W603011	C9550	8	B340V5	-	-
W603011	C9550	9	B340V7	-	-
W603011	C9550	10	B340V9	-	-
W603011	C9550	11	B340W1	-	-
W603011	C9550	12	B340W3	B34T24	B34T25
W603011	C9550	13	B340W5	-	-

400 Bradley Boulevard, Suite 300, Richland, WA 99352
509.942.1600 Main
866.727.0140 Fax
www.pbseiv.com

Larry Lockrem
Geotechnical Laboratory Testing,
April 13, 2016
Page 2 of 2

SDG#	Borehole ID	Core #	Core HEIS#	Aliquot HEIS#	
				TARL	TASL
W603011	C9550	14	B340W7	B34T26	B340W7
W603011	C9550	15	B340W9	-	-
W603011	C9550	16	B340X1	-	-
W603011	C9550	17	B340X3	-	-
W603011	C9550	18	B340X5	B34T28	B34T29
W603011	C9550	19	B340X7	-	-
W603011	C9550	20	B340X9	-	-
W603011	C9550	21	B340Y1	-	-
W603011	C9550	22	B340Y3	-	-
W603011	C9550	23	B340Y5	B34T30	B34T31
W603011	C9550	24	B340Y7	-	-
W603011	C9550	25	B340Y9	-	-
W603011	C9550	26	B34101	-	-
W603011	C9550	27	B34103	B34T32	B34T33
W603011	C9550	28	B34105	-	-
W603011	C9550	29	B34107	-	-
W603011	C9550	30	B34109	-	-
W603011	C9550	31	B34111	B34T34	B34T35
W603011	C9550	32	B34113	-	-

Totals:	Core	Ft. Logged	Aliquots collected
	32	156	8

We trust that this letter meets your current needs. If you have any questions, or wish to further discuss our observations, conclusions, and recommendations, please contact me at 509.942.1600.

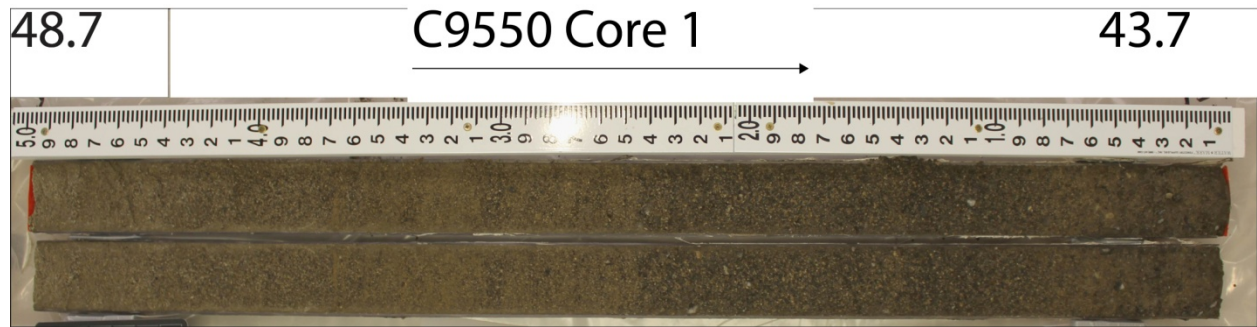
Sincerely,
PBS Engineering and Environmental, Inc.

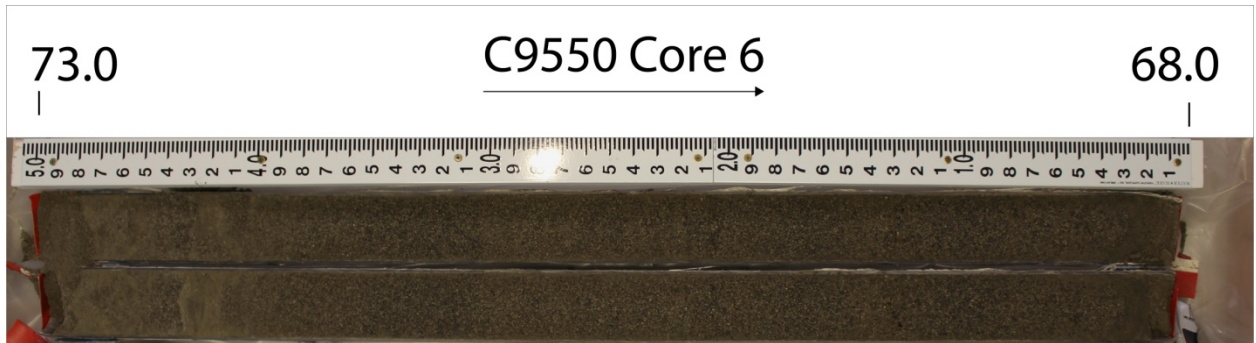


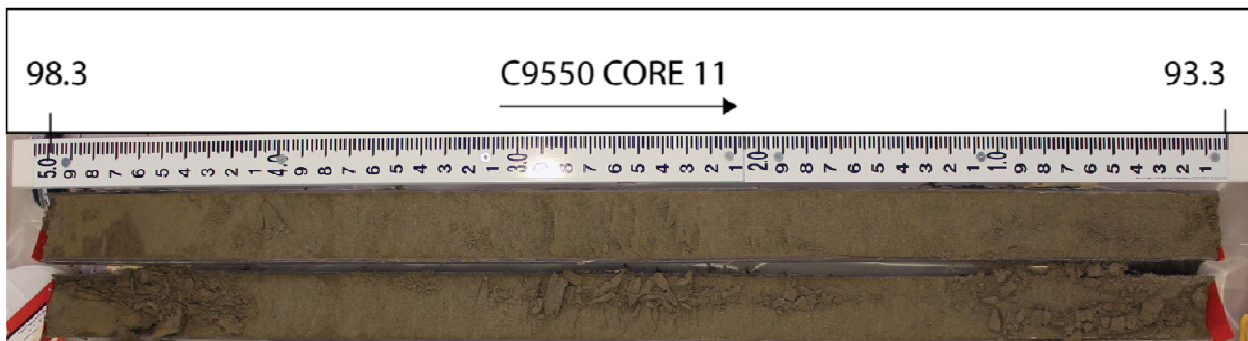
Sean M. Sexton
Project Geologist

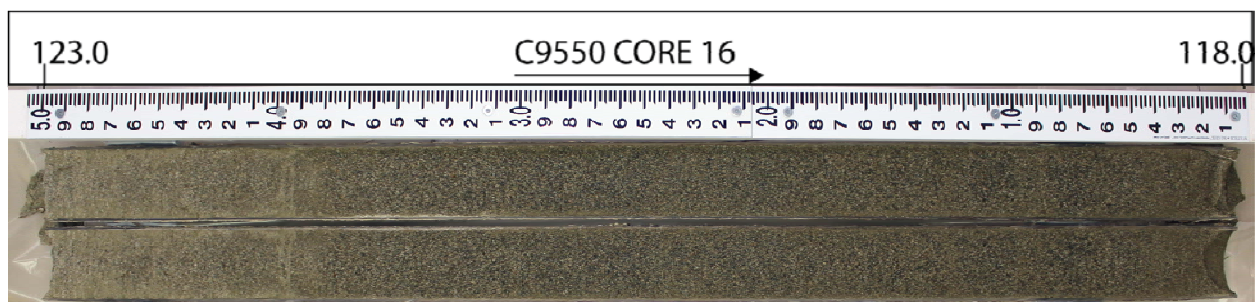
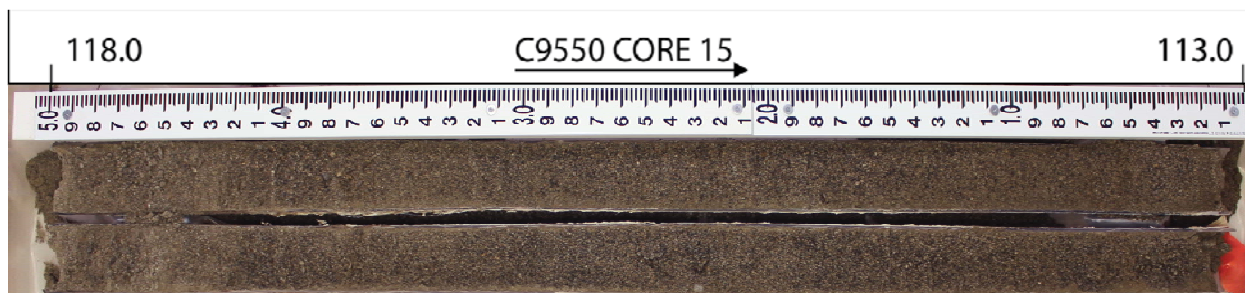
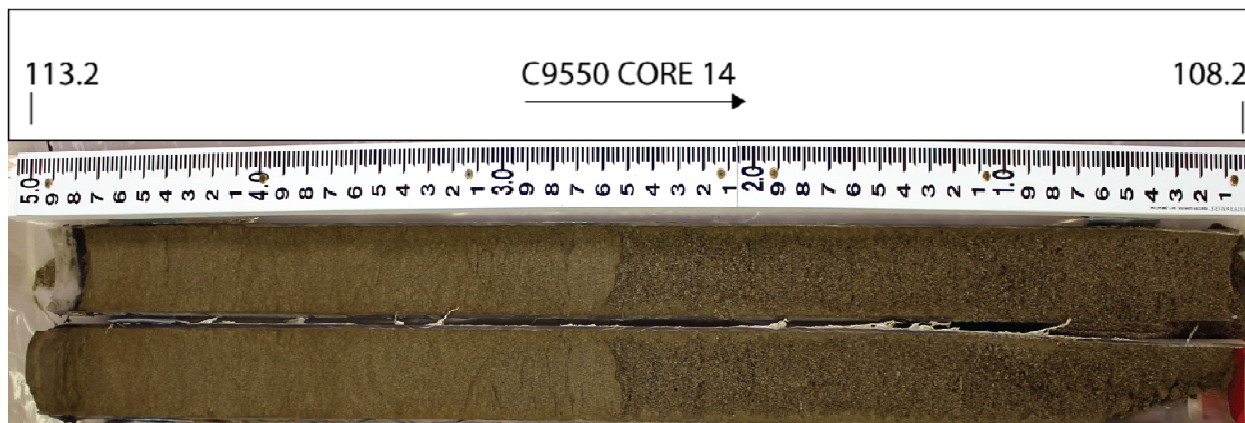
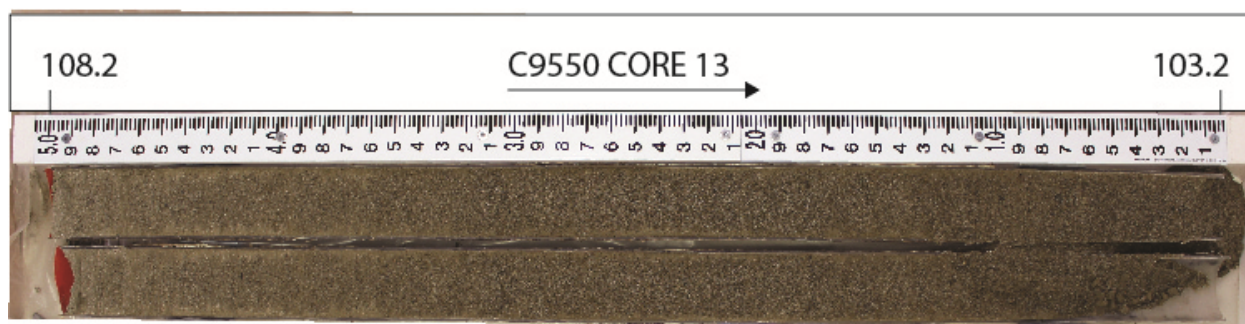
Attachments: Core Photographs
Borehole Logs
Chains of Custody

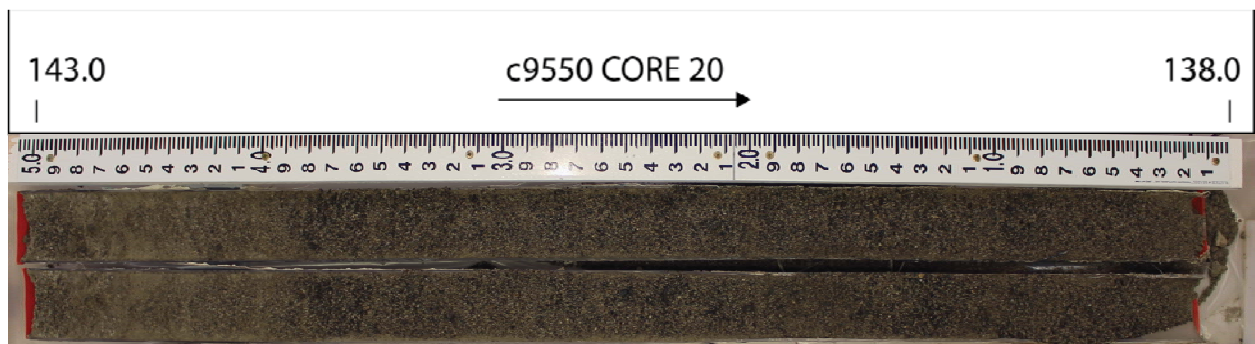
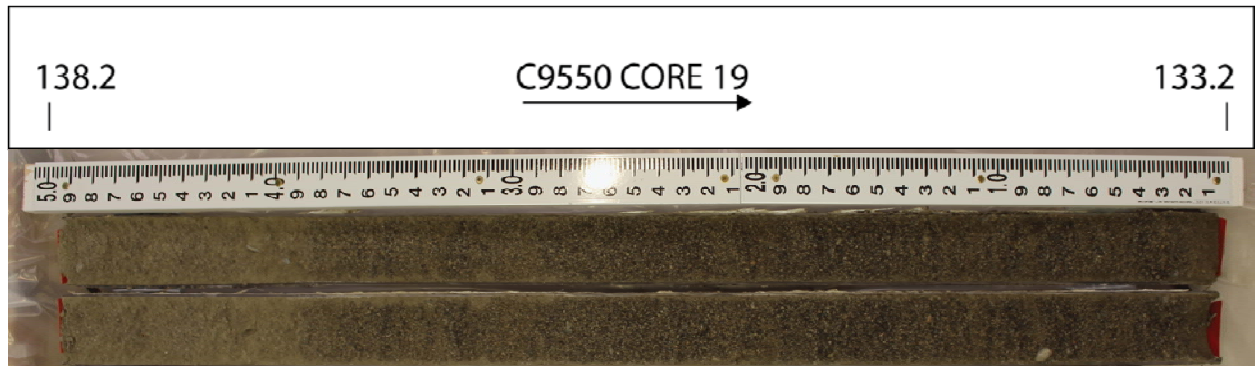
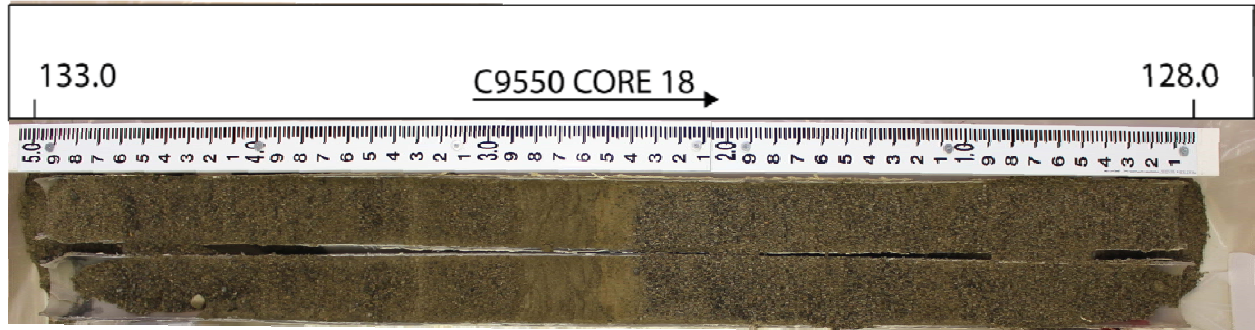
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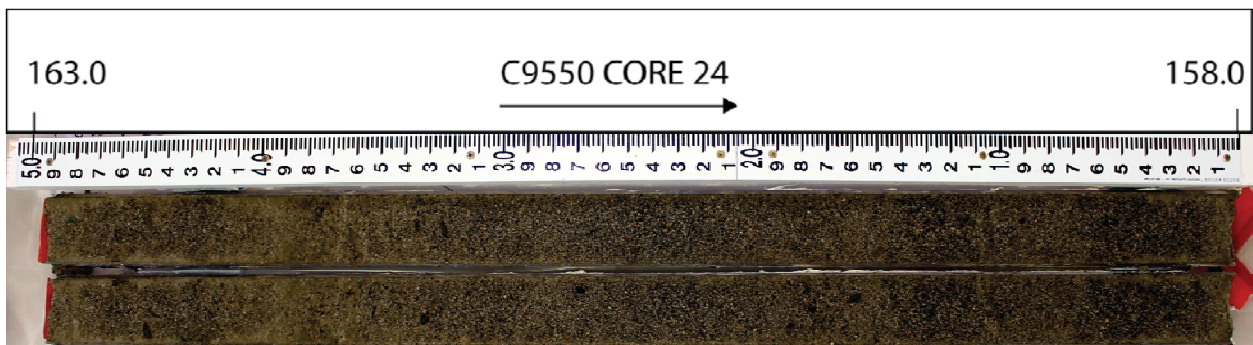
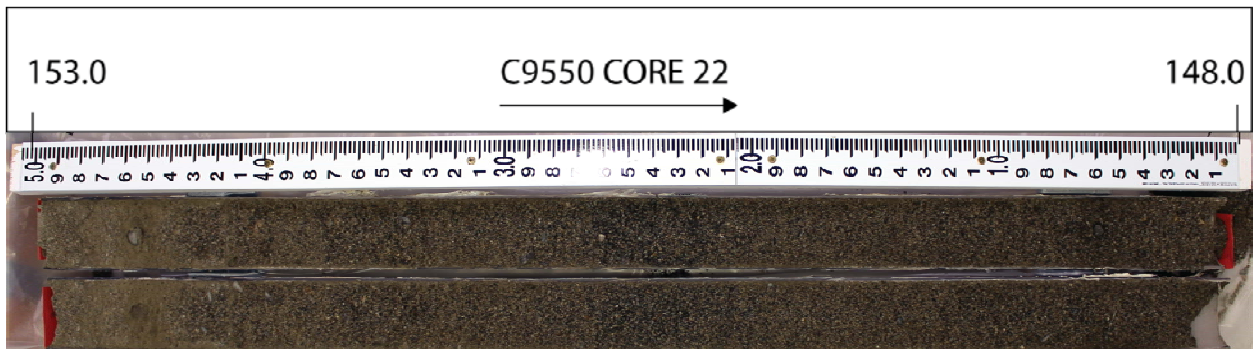
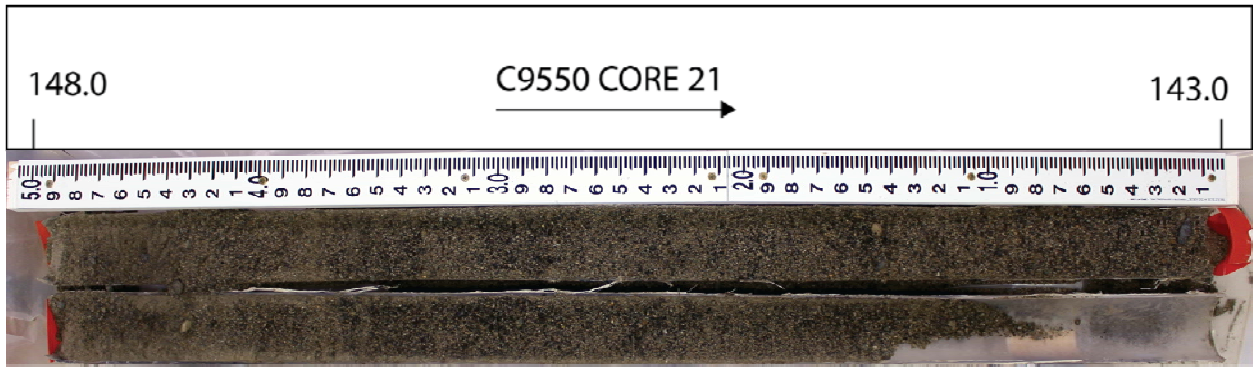


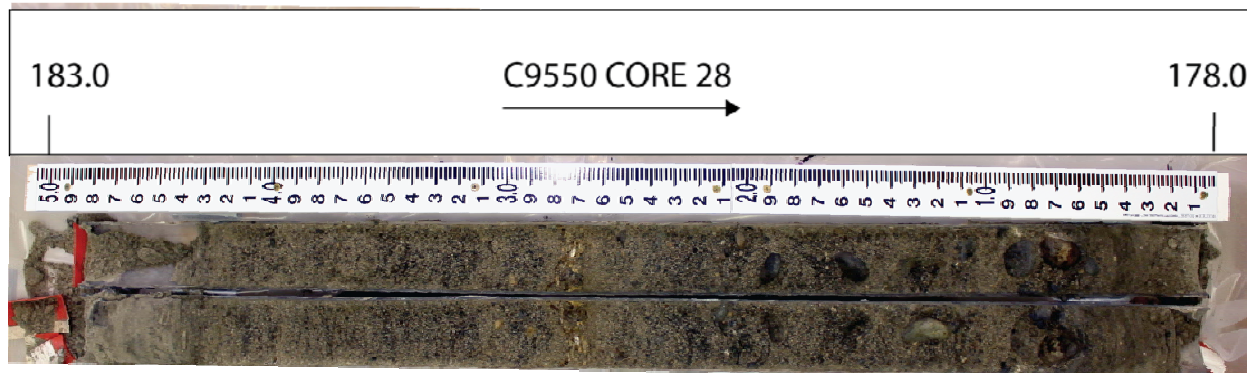
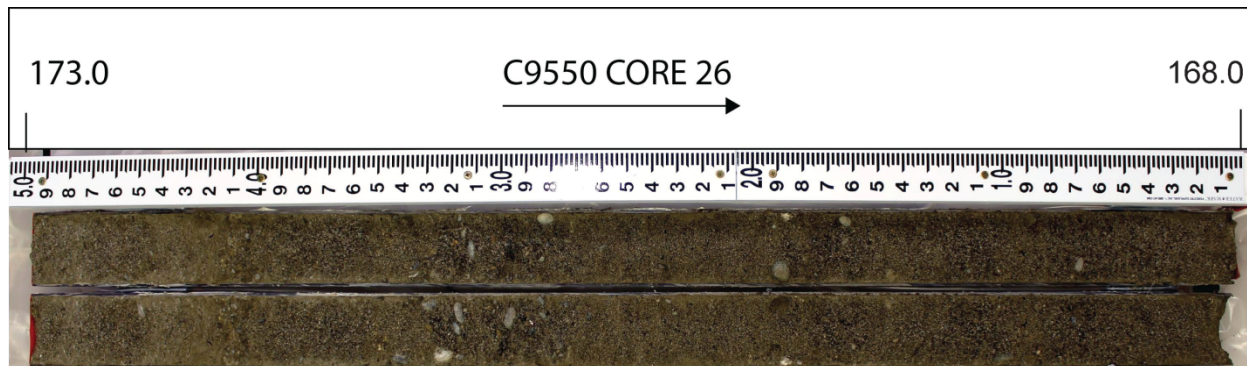
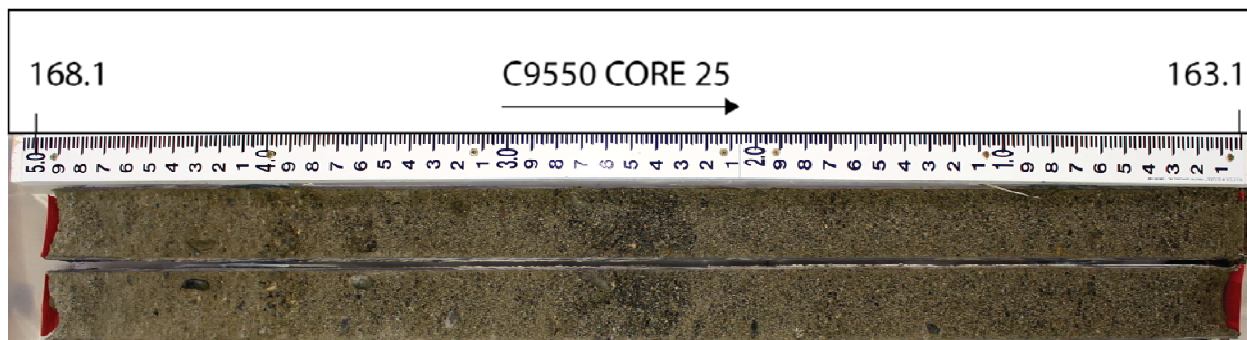


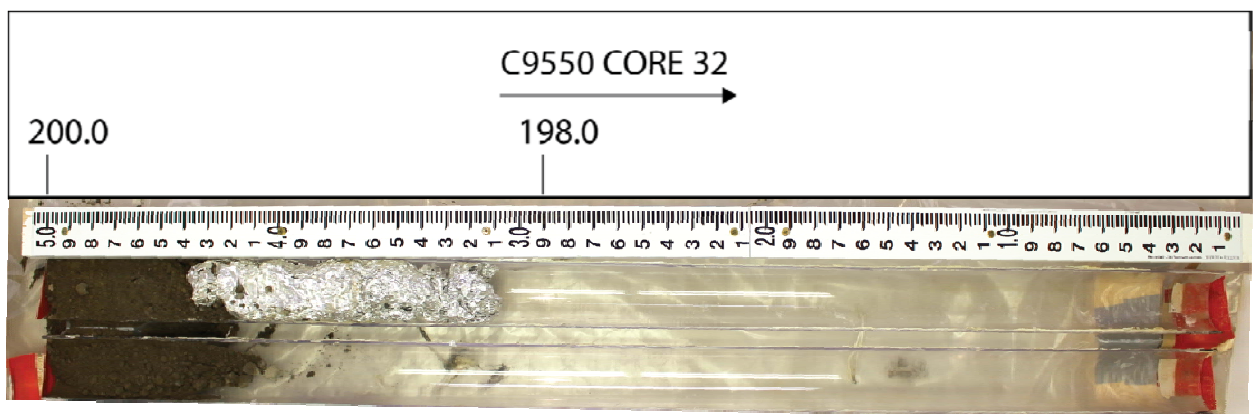
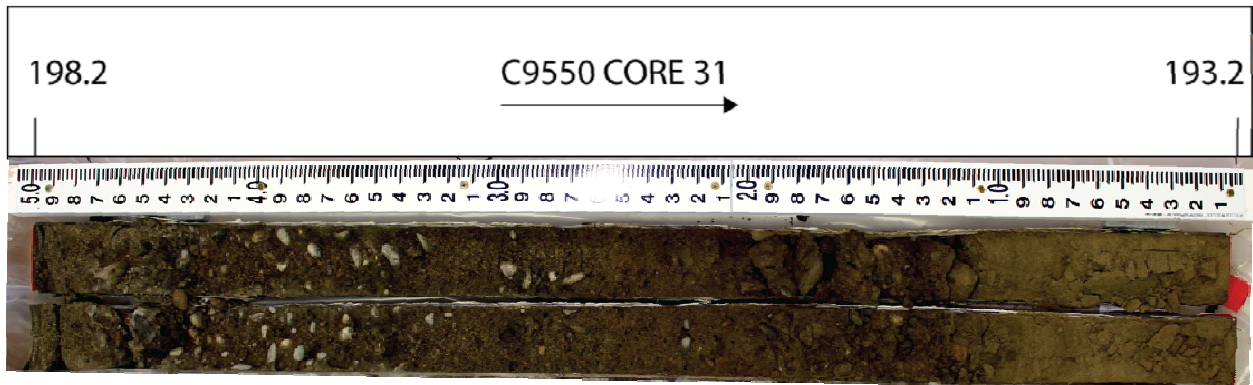
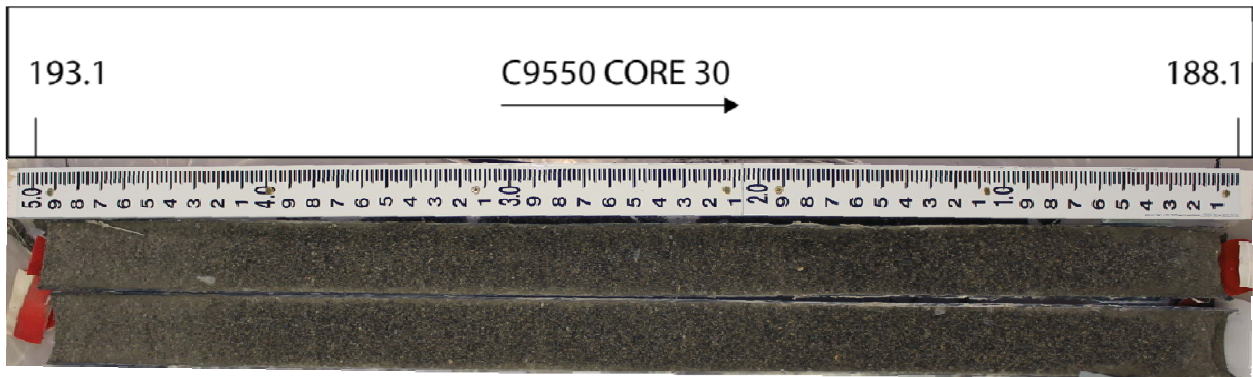
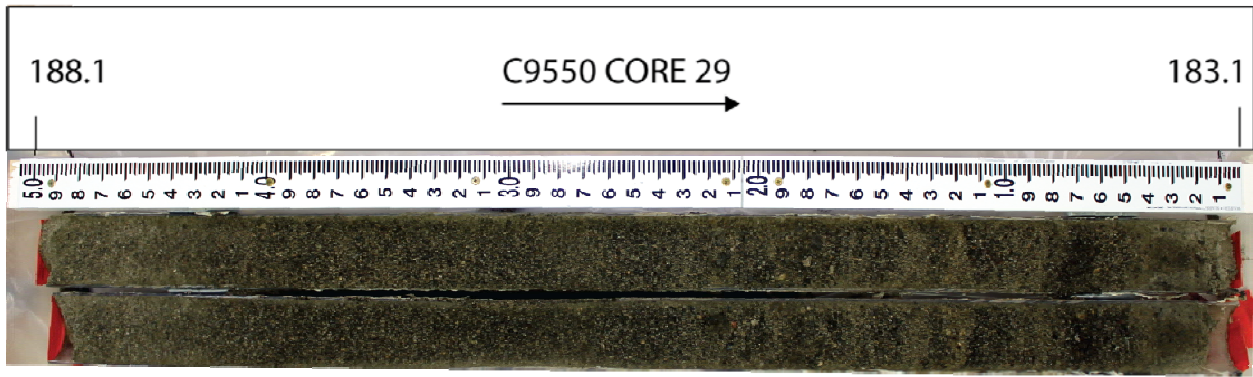












Date: 4.5.16

Reference Measuring Point: Ground Surface14 of 54

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BOREHOLE LOG					Page <u>3</u> of <u>9</u>
					Date: <u>4.5.16</u>
Well ID: <u>C9550</u>		Well Name: <u>MA</u>		Location: <u>B4 Cr. 1/2 NW Corner</u>	
Project: <u>200-DV-1</u>			Reference Measuring Point: <u>Ground Surface</u>		
Depth (Ft.)	Sample		Graphic Log	Sample Description	Comments
	Type No.	Blows Recovery			
80.0				78.1-83.1: Sand (S) (100%) w. srt. v.f.-f. S. of 10% mafic/40% Qtz. felds. no v.s. bed. mois 2.5Y 5/3 lt. olv. brn. no rxn HCl. trc. mica.	Sonic w/ 5' core 78.1-83.1 Core 8 B340V5 Driven 1.12.16
82.5				83.1-88.0: Sand S (100%) w. srt. f.-m. S. of 20% mafic/80% Qtz. felds. trc. mica. sprs. fn. layers (2.4 g thick) of v.f.-f. S. throughout. moist 2.5Y 5/3 lt. olv. brn. 5-10mm thick laminar bedding.	82.1-83.1: overdriven 83.2-88.2 Core 9 B340V7 Driven 1.13.16
85.0				e 84.5: faint 1/4" thick bed of fn. w. srt. S. color 2.5Y 5/4 lt. olv. brn. no rxn HCl.	
				e 84.2: 3mm thick silty sand layer w/ light & dark filamentous beds.	
87.0				87.7-88.2: overdriven.	
				88.0-89.8: Sand, S. (100%) sub-ang. fn.-m. S. of 45% Qtz. felds./65% mafic. low compaction. no rxn w/ HCl slight moist 2.5Y 5/3 lt. olv. brn. sprs. mica. -sharp contact. bedding.	89.0-93.0: Core 10: B340V9 Drilled 1.13.16
90.0				89.8-93.0: Sand (S) (100%) ang-sub-ang. v.f.-f. S. of 45% Qtz. felds./65% mafic. no rxn w/ HCl, slight moist 2.5Y 5/3 lt. olv. brn. vfn. grading to fn. S. bed contains 2-3mm thick v.fn. bedding of fn. + v.fn. S. sprs. mica.	
92.5				93.3-98.1: Sand, S (100%) sub-ang. v.fn.-m. S. 90% Qtz. felds./10% mafic. (v.w. srt.) 4-8mm thick layers w/ v.fn. 1mm thick layers of v.fn. Qtz. felds. 2% fn. mica + biotite. slight moist 2.5Y 5/3 lt. olv. brn. no rxn w/ HCl.	93.3-98.3: Core 11: B340W1 Drilled 1.13.16
95.0					
97.5				98.1-103.1: Sand, S (100%) next pg.	98.1-103.1 Core 12: B340W3 Drilled 1.13.16
100.0					
Reported By: <u>A. Lantz</u>				Reviewed By:	
Title: <u>Geo. Tech.</u>				Title:	
Signature: <u>A. Lantz</u>		Date: <u>4.5.16</u>		Signature:	
				Date:	

BOREHOLE LOG					Page 4 of 9
					Date: 4.5.16
Well ID: C9550		Well Name: NA		Location: BY Cribbs W. Corner	
Project: DV-1			Reference Measuring Point: Ground Surface.		
Depth (Ft.)	Sample Type No.	Blows Recovery	Graphic Log	Sample Description	Comments
				Group Name, Grain Size Distribution, Soil Classification, Color, Moisture Content, Sorting, Angularity, Mineralogy, Max Particle Size, Reaction to HCl	Depth of Casing, Drilling Method, Method of Driving Sampling Tool, Sampler Size, Water Level
100	B34T24 B34T25	100% #12		98.1-103.1: Sand S. (100% S) mod.-pr. srt'd. down hole. m.-v.c. S. down coarsening of 60% Qtz fids./40% mafic. 5% sub. rdd. v.f.-f. pbl. of bsl at base of bed. dry 2.5Y 5/2 graysh brn. no rxn HCl.	Sonic w/ 5' core 98.1-103.1: Core 12: B340W3 Drilled 1.13.16 Aliquot 100.8-101.8': 3.24.16 B34T24, B34T25
102.5		100% #13		103.2-107.7: Sand S. (100% S) m.-v.c. ang. S. of 70% Qtz fids./30% mafic abnt beds (1.5cm thick) of v.c. S. w/ 5% sub. ang. v.f.-f. pbl. of 90% mafic comp. beds are 1-1.5' apart slight moist 2.5Y 5/2 H. olv. brn. no rxn HCl.	103.2-108.2: Core 13: B340W3 Drilled 1.13.16
105		100% #13		-graded contact 107.7- : Sand cont. gradually increasing occurrence of silt interbeds (1-3mm thick) space 1-2 cm apart. 2.5Y 5/2 graysh brn. w/ filaments of 2.5Y 7/6 pale brn. strong rxn w/ HCl. -may be relict of overdrive.	Detail photo @ 107.7-108.2
107.5		100% #14		108.2-110.2: Sand S. (100% S) mod.-srt'd. m.-v.c. sub. ang. 2.5Y 7/6 Qtz fids./30% mafic, moist. 2.5Y 5/2 H. graysh brn. sprs. 1cm thick layers containing v.c.s. sub. ang. S. + trc. v.f. pbl. no rxn HCl.	109.2-113.2: Core 14: B340W7 Drilled 1.13.16 Aliquot: 3.25.16 B34T26, B340W7
110	B34T26 B340W7	100% #14		110.2-113.2: Sand S. (100% S) v.w. srt'd. v.f.-m. S. of 90% Qtz 10% mafic, moist 2.5Y 5/2 H. olv. brn. massive-no visible structure. (bed 3 w/ 30cm probe 14% Fe)	@ sharp contact (110.7'): 3mm thick silt layer color 10YR 5/3 brn. mod. plastic.
112.5		100% #15		@ 110.9: filament of black carbon.	
115		100% #15		113.0-118.0: Gravelly Sand (a S) (80% S, 20% G) pr. srt'd. ang. m.-v.c. S. of 50/50% mafic/felsic w/ sub. ang. sub. rdd. v.f.-c. pbl. of 90% mafic/10% felsic comp. sprs. lng. biotite, muscovite. no bedding visible. 2.5Y 5/2 graysh brn. no rxn HCl.	113.0-118.0: Core 15: B340W9 Drilled 1.13.16
117.5		100% #16		118.0-123.0: Sand S. (100% S) ang. m.-v.c. S. mod. srt'd. of 50/50% mafic/felsic comp. no visible structure. 2.5Y 5/2 graysh brn. moist. no rxn HCl. sprs. Fe' staining. 2-4mm. patches.	118.0-123.0: Core 16: B340X1 Drilled: 1.13.16
120					

Reported By: A. Lantau	Reviewed By:
Title: Geo. Tech	Title:
Signature: A. Lantau	Signature:
Date: 4.5.16	Date:

BOREHOLE LOG					Page <u>5</u> of <u>9</u>	
					Date: <u>4.5.16</u>	
Well ID: <u>C9550</u>		Well Name: <u>NA</u>		Location: <u>BY Cries NW Corner</u>		
Project: <u>200-DV-1</u>				Reference Measuring Point: <u>Ground Surface</u>		
Depth (Ft.)	Sample		Graphic Log	Sample Description	Comments	
	Type No.	Blows Recovery				
120				118.0-123.0: Sand S. (100% S.) ang. m.-v.c. S. mod. srt'd. of 50/50 mafic/felsic comp. no visible structure. 2.5Y 5/2 grayish brn. moist. no rxn w/HCl spres. Fe ⁺ staining, 2-4 mm patches.	Sonic w/ 5' core 118.0 - 123.0: Core 16: B340X1 Drilled 1.15.16	
122.5				123.1-125.1: Gravelly Sand gS (90% S, 10% G) mod. srt'd. ang. m. S. v.c. S. of bimodal size comp.: m.-c. Qtz & v.c. mafic S. w/ sub-rndd. v.f.-m. pbl. of 98% mafic/2% Qtz. slight moist. no rxn HCl. 2.5Y 5/2 grayish brn. sharp contact below, weathered contact.	123.1-128.1: Core 17: B340X3 Drilled 1.14.16 (Downward Coarsening)	
125.0				125.1-126.0: Silt (M) interbeds. 1.5"-2" thick interbeds of silt. non plastic. high dilatancy. stratified w/ c.s. sand. moist 2.5Y 3/4 H. olv. brn. mod. rxn HCl. 1cm weathered horizon above & below, possible organic carbon at base of horizon.	no activity.	
127.5				126-128.1: Sand (S) 100% mod. srt'd. m.-v.c. S. ang. of 75% Qtz fcls./25% mafic. no structure. moist. 2.5Y 5/2 grayish brn. no rxn w/HCl.	128.0-133.0: Core 18: B340X5 Drilled 1.14.16	
130.0	B34T28 B34T29			128.0-130.3: Sand S. (100% S) mod. srt'd. m.-v.c. ang. S. of 70% Qtz fcls. 30% mafic. 2.5Y 5/2 grayish brn. no rxn HCl. 130.3-130.9: silty Sand mS (75% S/25% m) pr. srt'd. v.f. S. w/ non plastic M. <5% v.c. ang. S. of silt. (coarsens down) to v.f. S. → m. S. f. lamina (1-2mm) dark silt present throughout.	Align 3.24.16 130.5-129.5: B34T29, B34T28	
132.5				130.9-133.0: 8-gravelly Sand (85% S, 15% G) mod. srt'd. C.-v.c. ang. S. of 60% mafic, 40% Qtz fcls. w/ sub-rndd. v.f.-c. pbl. of 90% bslt, 10% felsic. Downward coarsening.	133.2-138.2: Core 19: B340X7 Drilled 1.14.16	
135.0				133.2-136.1: Sand S. (gravelly Sand gS) (85% S, 15% G) gravels crudely stratified in 1/2"-3" beds. bimodal Sand: m.-c. ang. S. of 25% mafic/75% felsic & v.c. sub rndd S. of 75% bslt/25% Qtz. Gravel: mod. srt'd. beds v.f.-f. sub-ang G. of 95% bslt/5% felsic. interspersed f.-c. pbl. of w. rndd. felsic (non basalt). ~5% black & 2.5Y 5/2 H. olv. brn. no rxn HCl Dry.		
137.5				136.1-138.2: Sand S. (98% S, 2% G) mod. srt'd. m.-c.s. S. of 50% mafic/50% felsic. down coarsening from m. → c.s. S. @ 136.5: C.-v.c. ang. S. bed. 50/50 mafic felsic.	137.2-138.2: overdrive 138-143.0: Core 20: B340 X9 Drilled 1.14.16 Next pg.	
140						
Reported By: <u>A. Lantieri</u>				Reviewed By:		
Title: <u>Geo. Tech</u>				Title:		
Signature: <u>A. Lantieri</u>		Date: <u>4.5.16</u>		Signature:		Date:

BOREHOLE LOG					Page <u>6</u> of <u>9</u>
					Date: <u>4.5.16</u>
Well ID: <u>C9550</u>		Well Name: <u>NA</u>		Location: <u>B4 Crib NW Corner</u>	
Project: <u>200-DV-1</u>			Reference Measuring Point: <u>Ground Surface</u>		
Depth (Ft.)	Sample		Graphic Log	Sample Description	Comments
	Type No.	Blows Recovery			
140				138.2-143.0: gravelly Sand (GS) (85% S, 15% G) mod. srted. bimodal m.-c. ang. S. of 70% Qtz fcls./30% maf. + v.c. subang. bslt. S. w/ w.srted. v.f. plb. of bslt. trc. c.pbl. of bslt. Dry 2.5Y ₅ /H. olv. brn. w/ black pebbles. no bedding. no rxn HCl.	Sonic w/ 5' core. 138.0-143.0: Core 20: B340X7 Drilled 1.14.16
142.5				143.0- gravelly Sand GS (85% S, 15% G) mod. srted. overall w/ pr. srted. beds. 1.5-2" thick beds of GS m.-v.c. ang. S. of 50/50 mafic/felsic comp. w/ v.f.-f. plb. subang. dry 2.5Y ₅ /H. olv. brn. no rxn HCl. sprs. med. mica.	142-143: overdriven 143-148: Core 21: B340Y1 Drilled 1.14.16
145				• 144.5: Coarse grain. pr. srted. int. bed. mafic dom. of crs.-v.c. S., v.f.-m. plb. • 146.5: 3" thick int. bed. crs. grain m. S.-c. plb. of 60% mafic/40% Qtz fcls. sharp top contact. pot. top of bed.	
147.5				148.0-153.0: gravelly sand GS (80% S, 20% G) 1.5-2' beds mod. pr. srted. down coarsening; ang. m.-c. S. of 60% mafic/40% Qtz fcls. w/ v.f.-c. plb. sub-rndt of 50% mafic/50% felsic. moist 2.5Y ₅ /H. olv. brn. no rxn HCl.	147-148: overdriven + heated. 148.0-153.0: Core 22: B340Y3 Drilled 1.18.16
150				• 148.6: 2" thick more coarse base of bed. max pebble 15mm. • 148.6-149.6: Down coarsening bed. max plb.: m. plb. 20mm. • 149.6-151.7: pr. srted. down crs. bed. max: 32mm C. plb. • 151.7-153: Down crs. bed. max: f. plb. 32mm. pr. srted.	
152.5					152.5-153: overdrilled. Drilled 1.18.16
155				153-158.3: Gravelly Sand GS (90% S, 10% G) pr. srted. crs.-v.crs. S. of 50% mafic/50% felsic w/ sprs. v.f.-c. plb. of 40% mafic, 10% Qtz, int. Volcanics. sprs. 4mm clay clots. overall 2.5Y ₅ /H. olv. brn.	153.3-158.3: Core 23: B340Y5 154-155.0 Aliquot: 3.25.16 B34T30, B34T31 @154': 34 cfm by 08 Contact. (fuel tank 3, 50cm probe, 144 cfm by 16-77) + 2 to 4 cfm 300 cfm by 10.16 4.5.16
157.5				• 155.1-155.6: Sand interbed (100% S) w. srted. crs. ang. Qtz. sand w/ trc. v.f. plb. of bslt. 2.5Y ₅ /H. olv. brn.	overdriven + heated 157.3-158.3
160.0					158.0-163.0: Core 24: B340Y7
Reported By: <u>A. Linton</u>			Reviewed By:		
Title: <u>Geo. Tech.</u>			Title:		
Signature: <u>A. Linton</u>		Date: <u>4.5.16</u>	Signature:		Date:

BOREHOLE LOG					Page <u>7</u> of <u>9</u>
					Date: <u>4.5.16</u>
Well ID: <u>C9550</u>		Well Name: <u>NA</u>		Location: <u>BY Crib NW Corner</u>	
Project: <u>200-DV-1</u>			Reference Measuring Point: <u>Ground Surface</u>		
Depth (Ft.)	Sample		Graphic Log	Sample Description	Comments
	Type No.	Blows Recovery			
160.0				158-163.0: gravelly Sand (gs) (85% S, 15% G) 1' thick graded bedding downward coarsening mod. srt. m.-c. S grading to m. S. w/ fn. pbl. at base of beds. Sand: m.-v.c. ang. of 60% mafic/40% felsic Qtz. Gravel: base of beds contain v.f.-f. pbl. of 95% bslt./5% Qtz 162.5	Sonic w/ 5' core 158-163.0: Core 24: B34077
				2.5Y 7.5/1.0. v. brn. dry. 159.0: faint 3mm thick fn. S. of 80% Qtz/20% mafic. 163.1-167.0: Gravelly Sand (gs) (85% S, 15% G) 0.5-1' well graded beds of mod. srt. m.-v.c. ang. S. w/ 15% pbl. (fn) pbl. grading to pr. srt. m. S. - v.f. pbl. of bslt. Sand: 20% mafic, 80% felsic. Gravel: 80% bslt, 20% meta. felsic. interspersed (spcs) m.-v.c. w. rnd pbls of meta. max 50mm. 165.0	161.2-163.0: over driven & heated. 163.1-168.1: Core 25 B34079 Drilled 1.18.16 (overall dry 2.5Y 7.5/1.0. v. brn.) (no rxn HCl.)
				• 165.6: 4" thick bed sandy Gravel sG (75% G, 25% S) c.-v.c. ang. S. of 30% maf, 70% Qtz. w/ v.f.-v.c. rnd pbl. of 80% bslt./20% felsic meta. 167.5	167.2-168.1: overdriven.
				167.6-167.8: pr. srt. coarse grain bed. Sandy Gravel sG (75% G, 25% S, <2% m) fn.-m. S. of 20% mafic, 80% felsic Qtz. w/ pr. srt. v.f.-v.c. w. rnd. pbl. max: 50mm. of 80% bslt. > 20% felsic meta. matrix: 2.5Y 7.5/1.0. v. brn. clasts: black. on top of bed. off clay alt. rocks. (st. weathering) mod. rxn w/ HCl. 170.0	168.0-173.0: Core 26: B34101 Drilled: 1.18.16
				168.0-173.0: gravelly Sand (gs) (85% S, 15% G) same as above (163-167) above 0.5-1.5' w. graded beds. trc. 3mm mica. • 171.0: 0.4' thick coarse bed of med.-c. ang. S. (70% bslt, 30% felsic meta.) w/ fn.-c. pbl. of (80% mafic/20% felsic) max. 30mm. trc. carbon chips. (no rxn HCl) • 172.1: 0.1' thick bed fn.-m. pbl. (90% mafic/10% felsic) w/ trc. 5% clots of silt (2-3mm) 2.5Y 7.5/1.0. v. brn. 172.5	172.2-173.0: overdriven.
				172.2-172.4: gravelly Sand (gs) (15% G, 85% S) trc. m. pr. srt. fn.-c. s. ang. S. w/ 5% v.c.s. sub-ang. S. of 15% mafic, 85% Qtz. f.lbs. w/ w. rnd. m. pbl. - sm. chl. of 30% mafic/70% felsic. w/ trc. lg. mica. & trc. 2-4mm clots of mod. plastic. 10/16% glush. brn. (overall color: 2.5Y 7.5/1.0. v. brn.) 175.0	173.2-176.2: Core 27: B34103 Drilled 1.18.16 Aliquot: 3.27.16 (175.5-176.5) B34132, B34133
				prob. 1-3' thick downward coarsening beds. 2-4" thick base of beds contains up to 20% m.-c. pbl. of 70% bslt. no rxn HCl. spcs. sm. chl. 70mm. trc. 3.27.16 • 177.4-178.2: pr. srt. v.f.-v.c. S. bed. of same comp as above. w/ up to 5% m. contains. 2-5mm. clots of mod. plastic m. 177.5	T-96: slough. bottom 8" overdriven. 4" hind.
				+78.0 178.0-178.7: Next lg. At 4.5.16	178.0-183.0: Core 28: B34105 Drilled 1.19.16
180.0					

Reported By: <u>A. Lantieri</u>		Reviewed By:	
Title: <u>Geo. Tech.</u>		Title:	
Signature: <u>A. Lantieri</u>	Date: <u>4.5.16</u>	Signature:	Date:

BOREHOLE LOG					Page 8 of 9
					Date: 4.5.16
Well ID: C9550		Well Name: NA		Location: BY crabs NW Corner	
Project: 200-DV-1			Reference Measuring Point: Ground Surface		
Depth (Ft.)	Sample		Graphic Log	Sample Description	Comments
	Type No.	Blows Recovery			
180.0				178.0-178.6: Sandy silt/silty sand (50% m/50% s) non-plastic, v. low dilatancy 2.5Y 7/2 blv. brn. moist w/ v.f.-m.s. 4mm bedding. pot. slough. grades to gravelly sand from 179.5-179.8.	Sonic w/ 5' core 178.0-182.3: Core 28: B341P5 Drilled 1.19.16
182.5				• 178.6-178.8: 2" thick bed of v.c. pbl. oil stains on clasts. matrix black from pulverized bsst. clast.	181.7-183.0: overdriven, end of core tube compacted into core.
183.0				178.8-180.0: gravelly sand gs (90% s, 10% g) v.p. srted. bed. pot. & fining i.v.f.-v.c. subang. s. of 70% felsic/30% mafic w/ v.f.-v.c. pbl. v.w. rdd. of 80% bsst./20% felsic meta & int. v.c. grad. grading to m. pbl. (down fining).	2" chips of liner in core. Temp registered 147.9
				180-183: gravelly sand (gs) (90% s, 10% g) pr. srted. m.-v.c.s. subang. s. of 40% felsic/60% mafic w/ sp. s. v.w. rdd. m. pbl. of 40% felsic, 60% bsst. 2.5Y 7/2 blv. brn. moist. (bsst. > int. vol. > felsic meta.) @ 180.7: pot. rip up clast of palagonite w/ vesicular bsst. pbl. v. weathered. to saprolite. mottled multi color olive green, pink yellow, bright white.	
182.5				183.1-195.3: gravelly sand (gs) (70% s, 30% g) mod. stratified. & coarsening beds. 4-10" thick grading m.s. to m.s.w/ c.pbl. of 90% bsst./10% felsic meta.	183.1-188.1: core 29: B341P7 Drilled 4.19.16 (183.1-183.6: pulverized from above overdrill)
183.0				• 4" beds grade from 100% m.s. to 70% m.-v.c.s./30% v.f.-f. pbl. of 95% bsst./5% felsic. (sand: 90% Qtz. f.l.s./10% mafic.)	
185.0				• sp. s. w/ srted. m.-c. pbl. of 80% bsst./20% felsic meta. throughout. 2.5Y 7/2 blv. brn. moist. no rxn HCl.	
187.5				195.3-189.1: gravelly sand gs (90% s, 20% g) mod. srted. bimodal: v.f.-c. subang. s. of 90% Qtz. f.l.s. w/ a.c. subang. mafic s. gravel: v.f. pbl. of 90% bsst./10% Qtz. 2.5Y 7/2 blv. brn. moist. no rxn w/ HCl. massive - no vis. bedding.	* 187.1-189.1: overdrilled - pulverized 188.1-193.1: Core 30: B341P9 Drilled 1.19.16
190.0				188.1-193.1: gravelly sand gs (90% s, 10% g) massive. no vis. bedding. v.f.-v.c. subang. s. of 60%-50% felsic, 50-60% mafic. mod. srted.-pr. srted. w/ sp. s. v.f.-m. pbl. of 90% bsst./10% felsic meta. (sub-rdd.) no vis. bedding. massive? moist 2.5Y 7/2 blv. brn. no rxn HCl.	181.1-181.3: pulverized from above overdrive.
192.5					192.5-193.1: over driven.
195.0				193.2-198.2: Next pg.	193.2-194.3: Core 31: B34111 Drilled 4.19.16 Next pg.
Reported By: A. Lantieri				Reviewed By:	
Title: Geo. Tech.				Title:	
Signature: A. Lantieri		Date: 4.5.16		Signature:	
				Date:	

BOREHOLE LOG					Page <u>90</u> of <u>91</u>
					Date: <u>4.5.16</u>
Well ID: <u>C9550</u>		Well Name: <u>N.A.</u>		Location: <u>B4 Cnbs NW Corner</u>	
Project: <u>200-DV-1</u>			Reference Measuring Point: <u>Ground Surface</u>		
Depth (Ft.)	Sample		Graphic Log	Sample Description	Comments
	Type No.	Blows Recovery			
195.0	B34T34 B34T35 (3.29.16)			193.2-194.3': Sand (100%) v.w. srt. v.f. - m. S. of 95% felsic 5% mafic, 2.5% H. oliv. no rxn HCl. (pot. slough.)	Sonic w/ S' core 193.2-198.2: Core 31: B34/11
				194.3-195.3': silty sandy gravel mSG (70%g, 20%S, 10%M) v.f. srt. v.f. - v.c. S. of 70% felsic / 30% mafic w/ w. mnd.	Drilled 1.19.16 Aliquot: 194.0-196.0 (3.29.16)
				v.f. - v.c. pbl. of 80% bslt, 20% felsic meta. w/ mod. plastic clayey silt. 2.5% grayish brn. no rxn HCl.	B34T34, B34T35
197.5				195.3-197.2': slightly silty sandy gravel (m)SG (60-70%g, 40-30%S ≤5%M) mod. srt. & coarsening v.f. - v.c. any S. of 80% Qtz 20% mafic w/ tars. v.f. - v.c. pbl. of 60% felsic meta / 40% bslt.	overdriven 197.6-199.2'
				overall ^{coarsen} from v.f. silty S. to C. Sandy Gravel. moist 10YR 5/4 yellowish brn. no rxn HCl. slight imbrication.	
197.5				198.0-200.0': gravelly sandy Silt. gsm (50%g, 40%S, 20%g). uncompact, soft, non-plastic - low plastic silt colored 10YR 4/2 dark grayish brown, 2mm thick beds of v.f. sand colored 10YR 4/4 dark yellowish brown. contains v.f. - c. sub-ang. S. of 80% Qtz. fids / 20% mafic + Gravel: ang. v.f. - m. pbl. of bslt. shards of metal + scale from drill pipe in top 2" of core.	198.0-200.0' Core 32: B34/13 Drilled 1.19.16
200.0	T.D.		T.D.		

Reported By: <u>A. Lantau</u>	Reviewed By:
Title: <u>Geo. Tech.</u>	Title:
Signature: <u>[Signature]</u>	Date: <u>4.5.16</u>
Signature:	Date:

REV 2

8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-620	PAGE 1 OF 1
COLLECTOR	D.L. Floyd/CHPRC	COMPANY CONTACT	TODAK, D	TELEPHONE NO.	376-6427
SAMPLING LOCATION	C9550, Core 1	PROJECT DESIGNATION	200-DV-1 Operable Unit Characterization of Waste Sites - Soil		
ICE CHEST NO.		FIELD LOGBOOK NO.	HNF-N-507-33	ACTUAL SAMPLE DEPTH	43.7 to 48.7
SHIPPED TO	Mobile Field Laboratory 2-18-81 R J Lee	OFFSITE PROPERTY NO.	N/A	COA	302632
MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	PRESERVATION	Cool <=6C	PROJECT COORDINATOR	TODAK, D
		HOLDING TIME	6 Months	PRICE CODE	C05
		TYPE OF CONTAINER	PVC CORE	AIR QUALITY	☐ 7 Days / 7 Days
		NO. OF CONTAINER(S)	1	METHOD OF SHIPMENT	GOVERNMENT VEHICLE
		VOLUME	350g	BILL OF LADING/AIR BILL NO.	N/A
		SAMPLE ANALYSIS	CORE SAMPLE PREP		
SAMPLE NO.	B340T1	MATRIX*	SOIL		
		SAMPLE DATE	DEC 17 2015		
		SAMPLE TIME	0800		
CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-16-043	
D.L. Floyd/CHPRC	DEC 17 2015	SSU #3	DEC 17 2015		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
SSU #3	MAR 02 2016 0800	CHRIS FULTON	MAR 02 2016		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
CHRIS FULTON	MAR 02 2016 1025	CHRIS FULTON	MAR 02 2016 0800		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
CHPRC		1.8 HFE 6 GROUP	MAR 02 2016 1025		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	
PRINTED ON 12/9/2015		FSR ID = FSR11581		TRVL NUM = TRVL-16-043	
				A-6003-618 (REV 2)	

REV 2

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8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-622	PAGE 1 OF 1
COLLECTOR D.L. Floyd/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 2	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-N-645331-1114	SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE
ICE CHEST NO.	OFFSITE PROPERTY NO.	ACTUAL SAMPLE DEPTH 47.5 + 52.5	COA 302632	BILL OF LADING/AIR BILL NO.	
SHIPPED TO Mobile Field Laboratory Cell 2-18-16 RT Lec	PRESERVATION Cool <=6C	HOLDING TIME 6 Months	NO. OF CONTAINER(S) 1	VOLUME 350g	
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	TYPE OF CONTAINER PVC CORE	CORE SAMPLE PREP		
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIE TO: B34073 1-11-16		SAMPLE ANALYSIS			
SAMPLE NO. B34073	MATRIX*	SAMPLE DATE DEC 17 2015	SAMPLE TIME 1235	✓	

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS TRVL-16-043	
RELINQUISHED BY/REMOVED FROM D.L. Floyd/CHPRC	DATE/TIME DEC 17 2015	RECEIVED BY/STORED IN SSU #3	DATE/TIME DEC 17 2015	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM D.L. Floyd/CHPRC	DATE/TIME JAN 11 2016	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 11 2016	1-11-16	
RELINQUISHED BY/REMOVED FROM SSU #3	DATE/TIME MAR 02 2016	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016	1530	
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016	0800	
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016	1025	
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	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

PRINTED ON 12/9/2015

FSR ID = FSR11582

TRVL NUM = TRVL-16-043

A-6003-618 (REV 2)

REV 2

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8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-624	PAGE 1 OF 1
COLLECTOR	C.L. Foyd/CHPRC	COMPANY CONTACT	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05
SAMPLING LOCATION	C9550, Core 3	PROJECT DESIGNATION	200-DV-1 Operable Unit Characterization of Waste Sites - Soil	SAF NO. F15-011	AIR QUALITY ☐
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-N-6435	ACTUAL SAMPLE DEPTH 53.0 to 58.0 ft	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE
SHIPPED TO	Mobile Field Laboratory	OFFSITE PROPERTY NO.	3/24	BILL OF LADING/AIR BILL NO.	ORIGINAL
MATRIX*	Possible Sample Hazards/ Remarks *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/1ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1. A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	PRESERVATION Cool <=6C	HOLDING TIME 6 Months	TYPE OF CONTAINER PVC CORE	NO. OF CONTAINER(S) 1
SPECIAL HANDLING AND/OR STORAGE	NOT TO BE RELEASED TO: B340T5 SL 1-11-16	SAMPLE ANALYSIS	VOLUME 350g	CORE SAMPLE PREP	
SAMPLE NO.	B340T5	SAMPLE DATE	JAN 11 2016	SAMPLE TIME	1335

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-16-043	
D.L. Foyd/CHPRC	JAN 11 2016	55043	JAN 11 2016		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
55043	MAR 02 2016	CHRIS FULSTON	MAR 02 2016		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
CHPRC	MAR 02 2016	1025	MAR 02 2016		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

PRINTED ON 12/9/2015 FSR ID = FSR11583 TRVL NUM = TRVL-16-043 A-6003-618 (REV 2)

REV 2

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8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-626	PAGE 1 OF 1
COLLECTOR	DL Floyd/CHPRC	COMPANY CONTACT	TELEPHONE NO. 376-6427	PROJECT COORDINATOR	PRICE CODE C05
SAMPLING LOCATION	C9550, Core 4	PROJECT DESIGNATION	200-DV-1 Operable Unit Characterization of Waste Sites - Soil	SAF NO. F15-011	AIR QUALITY ☐
ICE CHEST NO.		FIELD LOGBOOK NO.	376-6427	COA	METHOD OF SHIPMENT GOVERNMENT VEHICLE
SHIPPED TO	Mobile Field Laboratory 2-16-72	OFFSITE PROPERTY NO.	N/A	BILL OF LADING/AIR BILL NO.	ORIGINAL
MATRIX*	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/1ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool < =6C	ACTUAL SAMPLE DEPTH 302632	W603011	
A=Air DL=Drum Liquids DS=Drum Soils L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	HOLDING TIME 6 Months	TYPE OF CONTAINER PVC CORE	NO. OF CONTAINER(S) 1	VOLUME 350g	SAMPLE ANALYSIS CORE SAMPLE PREP
SPECIAL HANDLING AND/OR STORAGE INACTIVE TO: B34076					
SAMPLE NO.	SOIL	MATRIX*	SAMPLE DATE	SAMPLE TIME	
B34077			JAN 11 2016	1432	✓

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-16-043	
DL Floyd/CHPRC	JAN 11 2016	SSU #3	JAN 11 2016		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
SSU #3	MAR 02 2016 0900	CHPRC	MAR 02 2016 0900		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
CHPRC	MAR 02 2016 1025	CHPRC	MAR 02 2016 1025		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
		CHPRC			
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	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	
PRINTED ON 12/9/2015 FSR ID = FSR11584 TRVL NUM = TRVL-16-043 A-6003-618 (REV 2)					

8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-628	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION ✓ C9550, Core 5	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. INF-N- 507 - 33/27	ACTUAL SAMPLE DEPTH 63.2-68.2	SAF NO. F15-011	AIR QUALITY ☐
ICE CHEST NO.	OFFSITE PROPERTY NO. N/A	COA 302632	BILL OF LADING/AIR BILL NO. N/A	METHOD OF SHIPMENT GOVERNMENT VEHICLE ORIGINAL	
SHIPPED TO Mobile Field Laboratory 2-12-16 RJS Lee	PRESERVATION Cool <=6C	W603011			
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	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	HOLDING TIME 6 Months			
	NO. OF CONTAINER(S) 1	TYPE OF CONTAINER PVC CORE			
	VOLUME 350g				
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TO B34079 1-12-16	SAMPLE ANALYSIS CORE SAMPLE PREP				
SAMPLE NO. B34079	MATRIX* SOIL	SAMPLE DATE 1-12-16	SAMPLE TIME 0830		

CHAIN OF POSSESSION		SIGN / PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 12 2016 1342	RECEIVED BY/STORED IN 550 #3	DATE/TIME JAN 12 2016 1342	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM 550 #3	DATE/TIME MAR 02 2016 0800	RECEIVED BY/STORED IN CHRIS FULTON	DATE/TIME MAR 02 2016 0800		
RELINQUISHED BY/REMOVED FROM CHRIS FULTON	DATE/TIME MAR 02 2016 1025	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 1025		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1025	RECEIVED BY/STORED IN LEE GROUP	DATE/TIME MAR 02 2016 1025		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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FSR ID = FSR11585

TRVL NUM = TRVL-16-043

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REV 2

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-630	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 6	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil		SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE
ICE CHEST NO.	FIELD LOGBOOK NO. F15-N-507-33/27	ACTUAL SAMPLE DEPTH 6.80-73.0	COA 302632	ORIGINAL	
SHIPPED TO Mobile Field Laboratory 2-18-16	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wire X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR/1ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.		PRESERVATION Cool < -6C		
HOLDING TIME		6 Months			
TYPE OF CONTAINER		PVC CORE			
NO. OF CONTAINER(S)		1			
VOLUME		350g			
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIE TO: B340V0		SAMPLE ANALYSIS CORE SAMPLE PREP			
SAMPLE NO. B340V1	MATRIX* SOIL	SAMPLE DATE 1-12-16	SAMPLE TIME 0910	☒	

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS TRVL-16-043	
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 12 2016 1342	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 12 2016 1342		
RELINQUISHED BY/REMOVED FROM SSU #3	DATE/TIME MAR 02 2016 0800	RECEIVED BY/STORED IN CHRIS FULLTON	DATE/TIME MAR 02 2016 0800		
RELINQUISHED BY/REMOVED FROM CHRIS FULLTON	DATE/TIME MAR 02 2016 1025	RECEIVED BY/STORED IN T. RICE RILEE GROUP	DATE/TIME MAR 02 2016 1025		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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FSR ID = FSR11586

TRVL NUM = TRVL-16-043

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CH2M HILL Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F15-011-632	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days		
SAMPLING LOCATION C9550, Core 7	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-N-507-33/27	ACTUAL SAMPLE DEPTH 73.1-78.1	SAF NO. F15-011	AIR QUALITY ☐		
ICE CHEST NO.	OFFSITE PROPERTY NO. N/A	COA 302632	BILL OF LADING/AIR BILL NO. N/A	METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO Mobile Field Laboratory 27572 RT Lee	PRESERVATION Cool <=6C						
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.						
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIE TO B340V3 1-12-16		HOLDING TIME 6 Months					
TYPE OF CONTAINER PVC CORE		NO. OF CONTAINER(S) 1					
VOLUME 350g		CORE SAMPLE PREP					
SAMPLE NO. B340V3	MATRIX*	SAMPLE DATE 1-12-16	SAMPLE TIME 10 25	✓			
CHAIN OF POSSESSION		SIGN/PRINT NAMES		SPECIAL INSTRUCTIONS TRVL-16-043			
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 12 2016 1342	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 12 2016 1342	TRVL-16-043			
RELINQUISHED BY/REMOVED FROM SSU #3	DATE/TIME MAR 02 2016 0900	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 0900				
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1025	RECEIVED BY/STORED IN Riff Riff Rifle Group	DATE/TIME MAR 02 2016 1025				
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				
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME			
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME			

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TRVL NUM = TRVL-16-043

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-634	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 8	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil		SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE
ICE CHEST NO.	FIELD LOGBOOK NO. F15-N-567-33	ACTUAL SAMPLE DEPTH 78.1 - 83.1	COA 302632	ORIGINAL	
SHIPPED TO Mobile Field Laboratory 2-18-16 RS Lee	OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		
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	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.		PRESERVATION Cool <=6C	W603011	
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TO B340V5 See 1-12-16		HOLDING TIME 6 Months	TYPE OF CONTAINER PVC CORE		
		NO. OF CONTAINER(S) 1	VOLUME 350g		
		SAMPLE ANALYSIS CORE SAMPLE PREP.			
SAMPLE NO. B340V5	MATRIX* SOIL	SAMPLE DATE 1-12-16	SAMPLE TIME 12:15		

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS TRVL-16-043	
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 12 2016 1342	RECEIVED BY/STORED IN SSU 3	DATE/TIME JAN 12 2016 1342		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 0900	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 0900		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1025	RECEIVED BY/STORED IN RICE RILEE GROUP	DATE/TIME MAR 02 2016 1025		
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		
LABORATORY SECTION		RECEIVED BY	TITLE	DATE/TIME	
FINAL SAMPLE DISPOSITION		DISPOSAL METHOD	DISPOSED BY	DATE/TIME	

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TRVL NUM = TRVL-16-043

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F15-011-636	PAGE 1 OF 1
COLLECTOR E.L. Kauef/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days		
SAMPLING LOCATION C9550, Core 9	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-N-567-33 Page 28	SAF NO. F15-011	AIR QUALITY ☐			
ICE CHEST NO.	ACTUAL SAMPLE DEPTH 83.2-88.2 ft	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE	ORIGINAL			
SHIPPED TO Mobile Field Laboratory <i>RS Lee</i>	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A					
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	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool < -6C	HOLDING TIME 6 Months	TYPE OF CONTAINER PVC CORE	NO. OF CONTAINER(S) 1	VOLUME 350g	SAMPLE ANALYSIS CORE SAMPLE PREP.
SPECIAL HANDLING AND/OR STORAGE ← RADIOACTIVE TILE TO: B340V7 <i>1-13-16</i>							
SAMPLE NO. B340V7	MATRIX*	SAMPLE DATE 1-13-16	SAMPLE TIME 0835				

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kauef/CHPRC	DATE/TIME JAN 13 2016 13 ⁰⁰	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 13 2016 13 ⁰⁰	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM <i>CSU #3</i>	DATE/TIME MAR 02 2016 0900	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 0900		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1025	RECEIVED BY/STORED IN RICE RILEE GROUP	DATE/TIME MAR 02 2016 1025		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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TRVL NUM = TRVL-16-043

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-638	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 10	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. INF-N-507-33/Pg. 28	SAF NO. F15-011	AIR QUALITY ☐	
ICE CHEST NO.	ACTUAL SAMPLE DEPTH 88.0 - 93.0	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE	ORIGINAL	
SHIPPED TO Mobile Field Laboratory	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.			
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	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool <=6C	W603011		
	HOLDING TIME 6 Months				
	TYPE OF CONTAINER PVC CORE				
	NO. OF CONTAINER(S) 1				
	VOLUME 350g				
	SAMPLE ANALYSIS CORE SAMPLE PREP.				
SAMPLE NO. B340V9	MATRIX* SOIL	SAMPLE DATE 1-13-16	SAMPLE TIME 0935		
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE IIT-TO-B340V9 May L. Batten 1-13-16					

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 13 2016 15	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 13 2016 15	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM CHRIS FULTON	DATE/TIME MAR 02 2016 0900	RECEIVED BY/STORED IN CHRIS FULTON/CHPRC	DATE/TIME MAR 02 2016 0900		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1025	RECEIVED BY/STORED IN INF-N-507-33/Pg. 28	DATE/TIME MAR 02 2016 1025		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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REV 2

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		FIS-011-640	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 11	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-N-507-33/ page 28	SAF NO. F15-011	AIR QUALITY ☐	
ICE CHEST NO.	ACTUAL SAMPLE DEPTH 93.3-98.3	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE	ORIGINAL	
SHIPPED TO Mobile Field Laboratory 2-18-16	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.			
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool <=6C	W603011		
	HOLDING TIME 6 Months				
	TYPE OF CONTAINER PVC CORE				
	NO. OF CONTAINER(S) 1				
	VOLUME 350g				
	SAMPLE ANALYSIS CORE SAMPLE PREP				
SAMPLE NO. B340W1	MATRIX*	SAMPLE DATE 1-13-16	SAMPLE TIME 1010		
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIT TO B340W1 Troy L. Bacon 1-13-16					

CHAIN OF POSSESSION		SIGN / PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 13 2016 11	RECEIVED BY/STORED IN SSU # 3	DATE/TIME JAN 13 2016 13	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM SSU #3	DATE/TIME MAR 02 2016 1300	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 1300		
RELINQUISHED BY/REMOVED FROM CHRIS FULTON	DATE/TIME MAR 02 2016 1410	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 1410		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1410	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 1410		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-642	PAGE: 1 OF 1
COLLECTOR E.L. Kaue/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 12	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
ICE CHEST NO.	FIELD LOGBOOK NO. FINE-N-507-33/ Page 28	ACTUAL SAMPLE DEPTH 98.1-103.1	COA 302632	BILL OF LADING/AIR BILL NO. NA	
SHIPPED TO Mobile Field Laboratory 2-18-16	OFFSITE PROPERTY NO. NA	BILL OF LADING/AIR BILL NO. NA			
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool <=6C	HOLDING TIME 6 Months	W603011	
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TO B340W3 Troy L. Bascen 1-13-16		NO. OF CONTAINER(S) 1	VOLUME 350g	CORE SAMPLE PREP	
SAMPLE NO. B340W3	MATRIX*	SAMPLE DATE 1-13-16	SAMPLE TIME 1050	✓	

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kaue/CHPRC	DATE/TIME JAN 13 2016 1330	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 13 2016 1330	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM 554 #3	DATE/TIME MAR 02 2016 1300	RECEIVED BY/STORED IN CHRIS FULTON/CHPRC	DATE/TIME MAR 02 2016 1300		
RELINQUISHED BY/REMOVED FROM CHRIS FULTON	DATE/TIME MAR 02 2016 1410	RECEIVED BY/STORED IN CHRIS FULTON/CHPRC	DATE/TIME MAR 02 2016 1410		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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FSR ID = FSR11592

TRVL NUM = TRVL-16-043

A-6003-618 (REV 2)

8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F15-011-644	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC		COMPANY CONTACT TODAK, D		TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 13		PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil		FIELD LOGBOOK NO. HNF-N. 507-33 / Page 28	SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE
ICE CHEST NO.		ACTUAL SAMPLE DEPTH 103.2 - 108.2 ft		COA 302632	ORIGINAL		
SHIPPED TO Mobile Field Laboratory 2-1876		OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A			
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other		PRESERVATION Cool <=6C		W603011			
POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.		HOLDING TIME 6 Months					
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TO: B340W4 1-13-16		TYPE OF CONTAINER PVC CORE					
		NO. OF CONTAINER(S) 1					
		VOLUME 350g					
		SAMPLE ANALYSIS CORE SAMPLE PREP					
SAMPLE NO. B340W5	MATRIX* SOIL	SAMPLE DATE 1-13-16	SAMPLE TIME 1225				
CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS TRVL-16-043			
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 13 2016 1330	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 13 2016 1330				
RELINQUISHED BY/REMOVED FROM 504 #3	DATE/TIME MAR 02 2016 1330	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 1330				
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1410	RECEIVED BY/STORED IN RILEY PLATE GROUP	DATE/TIME MAR 02 2016 1410				
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				
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME			
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME			

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A-6003-618 (REV 2)

8/1/2016

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F15-011-646	PAGE 1 OF 1
COLLECTOR E.L. Kaufer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE COS	DATA TURNAROUND 7 Days / 7 Days		
SAMPLING LOCATION C9550, Core 14	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-N-507-33	ACTUAL SAMPLE DEPTH 108.2-113.2	SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE	ORIGINAL
ICE CHEST NO.	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO.					
SHIPPED TO <i>Mobile Field Laboratory</i> <i>2-18-16</i> <i>RJ Lee</i>	PRESERVATION Cool <=6C						
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	HOLDING TIME 6 Months					
	TYPE OF CONTAINER PVC CORE	NO. OF CONTAINER(S) 1					
	VOLUME 350g						
SPECIAL HANDLING AND/OR STORAGE <i>Radioactive to B340W6</i> <i>1-13-16</i>	SAMPLE ANALYSIS CORE SAMPLE PREP						
SAMPLE NO. B340W7	MATRIX*	SAMPLE DATE 1-13-16	SAMPLE TIME 1320				

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kaufer/CHPRC	DATE/TIME JAN 13 2016 1530	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 13 2016 1530	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM <i>SSU #3</i> CHRIS FULTON CHPRC	DATE/TIME MAR 02 2016 1300	RECEIVED BY/STORED IN CHRIS FULTON CHPRC	DATE/TIME MAR 02 2016 1300		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1410	RECEIVED BY/STORED IN <i>SSU #3</i>	DATE/TIME MAR 02 2016 1410		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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FSR ID = FSR11594

TRVL NUM = TRVL-16-043

A-6003-618 (REV 2)

CH2M HILL Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-648	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 15	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. ENT-N-507-33	SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE
ICE CHEST NO.	ACTUAL SAMPLE DEPTH 113.0 - 118.0	COA 302632	ORIGINAL		
SHIPPED TO Mobile Field Laboratory 218-222 925 Lee	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A			
MATRIX* A=Air DL=Drum L=Liquid DS=Drum S=Solids O=Oil S=Soil SE=Seiment T=Tissue V=Vegetation W=Water WT=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool < -6C	HOLDING TIME 6 Months	TYPE OF CONTAINER PVC CORE	NO. OF CONTAINER(S) 1
SPECIAL HANDLING AND/OR STORAGE PHOTOACTIVE FILM TO 0348W6 Troy L. Bacon 1-13-16	SAMPLE ANALYSIS CORE SAMPLE, PREP.	VOLUME 350g			
SAMPLE NO. B340W9	SAMPLE DATE 1-13-16	SAMPLE TIME 1400	W603011		

CHAIN OF POSSESSION		SIGN/PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 13 2016 1530	RECEIVED BY/STORED IN SSU W3	DATE/TIME JAN 13 2016 1530	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM CHRIS FULTON	DATE/TIME MAR 02 2016 1300	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 1300		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1410	RECEIVED BY/STORED IN T. RICE R J LEE	DATE/TIME MAR 02 2016 1410		
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		
LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME		
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME		

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A-6003-618 (REV 2)

REV 2

8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-650	PAGE 1 OF 1
COLLECTOR E.L. Kauert/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 16	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-N-507-33-28	SAF NO. F15-011	AIR QUALITY ☐	
ICE CHEST NO.	ACTUAL SAMPLE DEPTH 118.0 - 123.0	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE	ORIGINAL	
SHIPPED TO Mobile Field Laboratory 2-18-16 RJS Lee	OFFSITE PROPERTY NO. NA	BILL OF LADING/AIR BILL NO. NA			
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool <=6C	HOLDING TIME 6 Months	W603011	
		TYPE OF CONTAINER PVC CORE	NO. OF CONTAINER(S) 1		
		VOLUME 350g	SAMPLE ANALYSIS CORE SAMPLE PREP		
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIE TO: B340X0					
SAMPLE NO. B340X1	MATRIX* SOIL	SAMPLE DATE 1-13-16	SAMPLE TIME 1445		

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kauert/CHPRC	DATE/TIME JAN 13 2016 1300	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 13 2016 1300	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1300	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 1300		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 02 2016 1410	RECEIVED BY/STORED IN CHPRC	DATE/TIME MAR 02 2016 1410		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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A-6003-618 (REV 2)

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-652	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC		COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05
SAMPLING LOCATION C9550, Core 17		PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil		SAF NO. F15-011	AIR QUALITY ☐
ICE CHEST NO.		FIELD LOGBOOK NO. HNF-A-507-33-29	ACTUAL SAMPLE DEPTH 123.1-128.1 ft	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE
SHIPPED TO Mobile Field Laboratory RS Lee 2-18-16		OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A		
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other		PRESERVATION Cool <=6C		W603011	
POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.		HOLDING TIME 6 Months			
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIT TO: B340X3 <i>Thy L. Boden 1-14-16</i>		TYPE OF CONTAINER PVC CORE			
		NO. OF CONTAINER(S) 1			
		VOLUME 350g			
		SAMPLE ANALYSIS CORE SAMPLE PREP			
SAMPLE NO. B340X3	MATRIX* SOIL	SAMPLE DATE 1-14-16	SAMPLE TIME 0835		
CHAIN OF POSSESSION					
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC		DATE/TIME JAN 14 2016 1350		SPECIAL INSTRUCTIONS TRVL-16-043	
RECEIVED BY/STORED IN SSC Lee		DATE/TIME JAN 14 2016 1350			
RELINQUISHED BY/REMOVED FROM SSU #3		DATE/TIME MAR 02 2016 1300			
RECEIVED BY/STORED IN CHRIS FULTON		DATE/TIME MAR 02 2016 1300			
RELINQUISHED BY/REMOVED FROM CHRIS FULTON		DATE/TIME MAR 02 2016 1410			
RECEIVED BY/STORED IN LEE GROUP		DATE/TIME MAR 02 2016 1410			
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			
LABORATORY SECTION		RECEIVED BY		TITLE	
FINAL SAMPLE DISPOSITION		DISPOSAL METHOD		DISPOSED BY	
DATE/TIME		DATE/TIME		DATE/TIME	

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TRVL NUM = TRVL-16-043

A-6003-618 (REV 2)

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F15-011-654		PAGE 1 OF 1	
COLLECTOR EL Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427		PROJECT COORDINATOR TODAK, D		PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days		
SAMPLING LOCATION C9550, Core 18	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil		SAF NO. F15-011		AIR QUALITY ☐				
ICE CHEST NO.	FIELD LOGBOOK NO. HMF-N-507-33.29	ACTUAL SAMPLE DEPTH 12.0/13.0		COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE				
SHIPPED TO Mobile Field Laboratory 2-18-16 R5 Lec		OFFSITE PROPERTY NO. N/A		BILL OF LADING / AIR BILL NO. N/A					
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WT=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.		Cool <=6C						
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIE TO-B340X1 Low-Level Bacon 1-14-16	PRESERVATION	6 Months		W6030 11					
	HOLDING TIME								
	TYPE OF CONTAINER	PVC CORE							
	NO. OF CONTAINER(S)	1							
	VOLUME	350g							
	SAMPLE ANALYSIS	CORE SAMPLE PREP							
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME						
B340X5	SOIL	1-14-16	1000	✓					

ORIGINAL

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	<i>E.L. Kaufer/CHPRC</i>	JAN 14 2016	DATE/TIME	RECEIVED BY/STORED IN	<i>SSU #3</i>
RELINQUISHED BY/REMOVED FROM	<i>SSU #3</i>	MAR 02 2016	DATE/TIME	RECEIVED BY/STORED IN	<i>CHRIS FELTON/CHPRC</i>
RELINQUISHED BY/REMOVED FROM	<i>CHRIS FELTON/CHPRC</i>	MAR 02 2016	DATE/TIME	RECEIVED BY/STORED IN	<i>RIE RILEE GROSS</i>
RELINQUISHED BY/REMOVED FROM			DATE/TIME	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM			DATE/TIME	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM			DATE/TIME	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM			DATE/TIME	RECEIVED BY/STORED IN	
LABORATORY SECTION	RECEIVED BY	TITLE			
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY			
		DATE/TIME			

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-656	PAGE 1 OF 1
COLLECTOR EL. Kaizer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 19	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
ICE CHEST NO.	FIELD LOGBOOK NO. HNF-A-507-33-29	ACTUAL SAMPLE DEPTH 133.2-138.2	COA 302632	ORIGINAL	
SHIPPED TO Mobile Field Laboratory EL 2-18-16	OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.			
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	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool <=6C	W603011		
	HOLDING TIME 6 Months				
	TYPE OF CONTAINER PVC CORE				
	NO. OF CONTAINER(S) 1				
	VOLUME 350g				
	SAMPLE ANALYSIS CORE SAMPLE PREP.				
SAMPLE NO. B340X7	MATRIX*	SAMPLE DATE 1-14-16	SAMPLE TIME 1040		

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM EL. Kaizer/CHPRC	DATE/TIME JAN 14 2016 14-16	RECEIVED BY/STORED IN SSO #3	DATE/TIME JAN 14 2016 1350	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM CHRIS FULLSTON CHPRC	DATE/TIME MAR 02 2016 1300	RECEIVED BY/STORED IN CHRIS FULLSTON CHPRC	DATE/TIME MAR 02 2016 1300		
RELINQUISHED BY/REMOVED FROM CHRIS FULLSTON CHPRC	DATE/TIME MAR 02 2016 1410	RECEIVED BY/STORED IN CHRIS FULLSTON CHPRC	DATE/TIME MAR 02 2016 1410		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-658	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 20	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-A-507-33.29	SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE
ICE CHEST NO.	ACTUAL SAMPLE DEPTH 138.0 - 143.0	COA 302632	BILL OF LADING/AIR BILL NO. N/A	ORIGINAL	
SHIPPED TO Mobile Field Laboratory 2-18-16 RS Lec	OFFSITE PROPERTY NO. N/A				
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	POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool <=6C	HOLDING TIME 6 Months	TYPE OF CONTAINER PVC CORE	NO. OF CONTAINER(S) 1
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE THE TO: B340X9- Boyle-Barton 1-14-16		VOLUME 350g		CORE SAMPLE PREP.	
SAMPLE NO. B340X9	MATRIX*	SAMPLE DATE 1-14-16	SAMPLE TIME 12/2		

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 14 2016 3:50	RECEIVED BY/STORED IN SU #3	DATE/TIME JAN 14 2016 3:50	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME 3/2/16 1300	RECEIVED BY/STORED IN CHPRC	DATE/TIME 3/2/16 1300		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME 3/2/16 1410	RECEIVED BY/STORED IN CHPRC	DATE/TIME 3/2/16 1410		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

8/1/2016

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F15-011-660	PAGE 1 OF 1
COLLECTOR E.L. Kauert/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days		
SAMPLING LOCATION C9550, Core 21	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-A-807-33.29	SAF NO. F15-011	AIR QUALITY ☐			
ICE CHEST NO.	ACTUAL SAMPLE DEPTH 1430-148.0 ft	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE	ORIGINAL			
SHIPPED TO Mobile Field Laboratory 2-16-16 RS Lee	OFFSITE PROPERTY NO.	N/A	BILL OF LADING/AIR BILL NO.	N/A			
MATRIX* A=Air DL=Drum L=Liquid DS=Drum S=Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/DATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool < -6C	W603011				
		HOLDING TIME 6 Months					
		TYPE OF CONTAINER PVC CORE					
		NO. OF CONTAINER(S) 1					
		VOLUME 350g					
		SAMPLE ANALYSIS CORE SAMPLE PREP					
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIE TO: B340Y0							
SAMPLE NO. B340Y1	MATRIX*	SAMPLE DATE 1-14-16	SAMPLE TIME 1307				

CHAIN OF POSSESSION	SIGN/PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM E.L. Kauert/CHPRC	RECEIVED BY/STORED IN SSU #3	TRVL-16-043
DATE/TIME JAN 14 2016 1350	DATE/TIME JAN 14 2016 1350	
RELINQUISHED BY/REMOVED FROM 354#3	RECEIVED BY/STORED IN Frank Hall	
DATE/TIME MAR 04 2016 0745	DATE/TIME MAR 04 2016 0745	
RELINQUISHED BY/REMOVED FROM Frank Hall CHPRC	RECEIVED BY/STORED IN Heather Haber	
DATE/TIME MAR 04 2016 0808	DATE/TIME MAR 04 2016 0808	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
DATE/TIME	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
DATE/TIME	DATE/TIME	
RELINQUISHED BY/REMOVED FROM	RECEIVED BY/STORED IN	
DATE/TIME	DATE/TIME	

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD		

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FSR ID = FSR11601

TRVL NUM = TRVL-16-043

A-6003-618 (REV 2)

8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-662	PAGE 1 OF 1
COLLECTOR	E.L. Kauer/CHPRC	COMPANY CONTACT	TELEPHONE NO.	PROJECT COORDINATOR	PRICE CODE C05
SAMPLING LOCATION	C9550, Core 22	PROJECT DESIGNATION	200-DV-1 Operable Unit Characterization of Waste Sites - Soil	SAF NO. F15-011	AIR QUALITY
ICE CHEST NO.	N/A	FIELD LOGBOOK NO.	HNF-A-507-33-36	ACTUAL SAMPLE DEPTH	COA 302632
SHIPPED TO	Mobile Field Laboratory 2-16-16 RS L-e-e	OFFSITE PROPERTY NO.	N/A	BILL OF LADING/AIR BILL NO.	N/A
MATRIX*	A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	PRESERVATION	Cool <=6C	W603011	
POSSIBLE SAMPLE HAZARDS/ REMARKS	*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	HOLDING TIME	6 Months		
		TYPE OF CONTAINER	PVC CORE		
		NO. OF CONTAINER(S)	1		
		VOLUME	350g		
SPECIAL HANDLING AND/OR STORAGE	RADIOACTIVE 150g C. Bacon 1-18-16	SAMPLE ANALYSIS	COME SAMPLE PREP		
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B340Y3	SOIL	1-18-16	0920	✓	

ORIGINAL

CHAIN OF POSSESSION		SIGN / PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME	TRVL-16-043	
EL. KauerCHPRC	JAN 18 2016 8:50	SSU # 3	JAN 18 2016 1550		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
SSU # 3	MAR 04 2016 0745	Frank Hall	MAR 04 2016 0745		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
Frank Hall	MAR 04 2016 0809	He. ne. Hui v. Huber	MAR 04 2016 09.21		
CHPRC	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		
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	DATE/TIME		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD			DATE/TIME	

8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F15-011-664	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CH2MPRC		COMPANY CONTACT TODAK, D		TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE COS	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 23		PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil		FIELD LOGBOOK NO. HNF-A-507-33-30	SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE
ICE CHEST NO. N/A		FIELD LOGBOOK NO. HNF-A-507-33-30		ACTUAL SAMPLE DEPTH 153.3-158.3	COA 302832	ORIGINAL	
SHIPPED TO Mobile Ecolab Laboratory 2-23-96 RS Lee		OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A			
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other		PRESERVATION Cool <= 6C N/A		W603011			
POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATTA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.		HOLDING TIME 6 Months					
TYPE OF CONTAINER		NO. OF CONTAINER(S) 1					
VOLUME		350g					
SPECIAL HANDLING AND/OR STORAGE -RADIOACTIVE TO B340Y5 -NOY L. Bauer 1-18-16		SAMPLE ANALYSIS CORE SAMPLE PREP					
SAMPLE NO. B340Y5	MATRIX* SOIL	SAMPLE DATE 1-18-16	SAMPLE TIME 1010	✓			

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/ REMOVED FROM E.L. Kauer/CH2MPRC	DATE/TIME JAN 18 2016 1550	RECEIVED BY/STORED IN SSC #3	DATE/TIME JAN 18 2016 1550	TRVL-16-043	
RELINQUISHED BY/ REMOVED FROM SSC #3	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Frank Hall	DATE/TIME MAR 04 2016 0745		
RELINQUISHED BY/ REMOVED FROM Frank Hall	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Heinz Huber	DATE/TIME MAR 04 2016 0745		
RELINQUISHED BY/ REMOVED FROM CH2MPRC	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Heinz Huber	DATE/TIME MAR 04 2016 0745		
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		

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TRVL NUM = TRVL-16-043

A-6003-618 (REV 2)

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				PAGE 1 OF 1	
COLLECTOR EL Kauer/CHPRC		COMPANY CONTACT TODAK, D		TELEPHONE NO. 376-6427		PROJECT COORDINATOR TODAK, D	
SAMPLING LOCATION C9550, Core 24		PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil		SAF NO. F15-011		PRICE CODE COS	
ICE CHEST NO. N/A		FIELD LOGBOOK NO. HNF-N-507-33-30		ACTUAL SAMPLE DEPTH 158.0 - 163.0		COA 302632	
SHIPPED TO Moffitt Laboratory 2876 RS Lee		OFFSITE PROPERTY NO. N/A		BILL OF LADING/AIR BILL NO. N/A		METHOD OF SHIPMENT GOVERNMENT VEHICLE	
MATRIX* A=Air DL=Drum L=Liquid S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WT=Wide X=Other		PRESERVATION Cool <=6C		HOLDING TIME 6 Months		NO. OF CONTAINER(S) 1	
POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.		TYPE OF CONTAINER PVC CORE		VOLUME 350g		SAMPLE ANALYSIS CORE SAMPLE PREP.	
SPECIAL HANDLING AND/OR STORAGE -RADIOACTIVE IT TO: B340Y7 Noyl. Bacon 1-18-16		SAMPLE DATE 1-18-16		SAMPLE TIME 1100		DATE/TIME ✓	

ORIGINAL

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM EL Kauer/CHPRC		RECEIVED BY/STORED IN SSU #3		TRVL-16-043	
DATE/TIME JAN 18 2016 1550		DATE/TIME JAN 18 2016 1550			
RELINQUISHED BY/REMOVED FROM SSU #3		RECEIVED BY/STORED IN Frank Hall CHPRC			
DATE/TIME MAR 04 2016 0745		DATE/TIME MAR 04 2016 0745			
RELINQUISHED BY/REMOVED FROM Frank Hall CHPRC		RECEIVED BY/STORED IN Heinz			
DATE/TIME MAR 04 2016 0809		DATE/TIME MAR 04 2016 0809			
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN			
DATE/TIME		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN			
DATE/TIME		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN			
DATE/TIME		DATE/TIME			
RELINQUISHED BY/REMOVED FROM		RECEIVED BY/STORED IN			
DATE/TIME		DATE/TIME			
LABORATORY SECTION		RECEIVED BY		TITLE	
FINAL SAMPLE DISPOSITION		DISPOSAL METHOD		DISPOSED BY	
DATE/TIME		DATE/TIME		DATE/TIME	

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FSR ID = FSR11604

TRVL NUM = TRVL-16-043

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8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F15-011-668	PAGE 1 OF 1	
COLLECTOR E.L. Kaufer/CHPRC		COMPANY CONTACT TODAK, D		TELEPHONE NO. 376-6427		PROJECT COORDINATOR TODAK, D	PRICE CODE COS	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 25		PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil		FIELD LOGBOOK NO. HNF-N507-33-30		SAF NO. F15-011	AIR QUALITY ☐	METHOD OF SHIPMENT GOVERNMENT VEHICLE
ICE CHEST NO.		OFFSITE PROPERTY NO.		ACTUAL SAMPLE DEPTH 163.1-168.1		COA 302832	ORIGINAL	
SHIPPED TO Mobile Freight Laboratory 2-18-16 R5 Lec		PRESERVATION N/A		COOL <=6C		BILL OF LADING/AIR BILL NO. N/A		
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WT=Wipe X=Other		POSSIBLE SAMPLE HAZARDS/ REMARKS *Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.		HOLDING TIME 6 Months		NO. OF CONTAINER(S) 1		
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TO B340Y9 12046.16000 1-18-16		SAMPLE ANALYSIS		VOLUME 350g		CORE SAMPL. PREP.		
SAMPLE NO. B340Y9	MATRIX* SOIL	SAMPLE DATE 1-18-16	SAMPLE TIME 1250	✓				

CHAIN OF POSSESSION		SIGN/ PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kaufer/CHPRC	DATE/TIME JAN 18 2016 1550	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 18 2016 1550	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM SSU #3	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Frank Hall	DATE/TIME MAR 04 2016 0745		
RELINQUISHED BY/REMOVED FROM Frank Hall	DATE/TIME MAR 04 2016 0809	RECEIVED BY/STORED IN Heinz	DATE/TIME MAR 04 2016 0809		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 04 2016 0809	RECEIVED BY/STORED IN Heinz	DATE/TIME MAR 04 2016 0809		
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		

LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

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TRVL NUM = TRVL-16-043

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CH2M HILL Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				PAGE 1 OF 1	
COLLECTOR E.L. Kauter/CH2M	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	F15-011-670	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days	
SAMPLING LOCATION C9550, Core 26	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	SAF NO. F15-011	AIR QUALITY	METHOD OF SHIPMENT GOVERNMENT VEHICLE	ORIGINAL		
ICE CHEST NO. N/A	FIELD LOGBOOK NO. HNF-A-507-33.30	ACTUAL SAMPLE DEPTH 168.0-173.0	COA 302632	BILL OF LADING/AIR BILL NO. N/A			
SHIPPED TO Mobile Field Laboratory 2-18-16	OFFSITE PROPERTY NO. N/A	W603011					
MATRIX* A=Air DL=Drum L=Liquid DS=Drum S=Solids O=Oil SE=Sediment T=Tissue V=Vegetation W=Water WT=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool < =6C	HOLDING TIME 6 Months	NO. OF CONTAINER(S) 1	VOLUME 350g	CORE SAMPLE PREP.	
SPECIAL HANDLING AND/OR STORAGE -RADIOACTIVE-TIT-TO-824100 Toyl. Bacon 1-18-16		SAMPLE ANALYSIS					
SAMPLE NO. B34101	MATRIX* SOIL	SAMPLE DATE 1-18-16	SAMPLE TIME 1410	☒			

CHAIN OF POSSESSION		SIGN/PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kauter/CH2M	DATE/TIME JAN 18 2016 1550	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 18 2016 1550	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM SSU #3	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Frank Hall CH2M	DATE/TIME MAR 04 2016 0745		
RELINQUISHED BY/REMOVED FROM Frank Hall	DATE/TIME MAR 04 2016 0800	RECEIVED BY/STORED IN Heinz Hark	DATE/TIME MAR 04 2016 0800		
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		
LABORATORY SECTION	RECEIVED BY	TITLE			
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY			
PRINTED ON 12/9/2015		FSR ID = FSR11606		TRVL NUM = TRVL-16-043	
				A-6003-618 (REV 2)	

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F15-011-672	PAGE 1 OF 1		
COLLECTOR	E.L. Kauer/CHPRC	COMPANY CONTACT	TODAK, D	TELEPHONE NO.	376-6427	PROJECT COORDINATOR	TODAK, D		
SAMPLING LOCATION	C9550, Core 27	PROJECT DESIGNATION	200-DV-1 Operable Unit Characterization of Waste Sites - Soil		SAF NO.	F15-011	PRICE CODE	C05	
ICE CHEST NO.	N/A	FIELD LOGBOOK NO.	HNF-N507-33.30		ACTUAL SAMPLE DEPTH	173.2-178.2 ft	AIR QUALITY	☐	
SHIPPED TO	Mobile Pilot Laboratory R5 Lee	OFFSITE PROPERTY NO.	N/A		COA	302632	METHOD OF SHIPMENT	GOVERNMENT VEHICLE	
MATRIX*	A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	PRESERVATION	Good <=6C	W60301		BILL OF LADING/AIR BILL NO.	N/A	DATA TURNAROUND	7 Days / 7 Days
POSSIBLE SAMPLE HAZARDS/REMARKS	*Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	HOLDING TIME	6 Months						
		TYPE OF CONTAINER	PVC CORE						
		NO. OF CONTAINER(S)	1						
		VOLUME	350g						
SPECIAL HANDLING AND/OR STORAGE	RADIOACTIVE TIE TO-834402 Traylor Bacon 1-18-12	SAMPLE ANALYSIS	CORE SAMPLE PREP.						
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME						
B34103	SOIL	1-18-12	1515						

ORIGINAL

CHAIN OF POSSESSION		SIGN/ PRINT NAMES	SPECIAL INSTRUCTIONS
RELINQUISHED BY/REMOVED FROM EL Koubachi PRG	DATE/TIME JAN 18 2016 15:53	RECEIVED BY/STORED IN SSU #3	TRVL-16-043
RELINQUISHED BY/REMOVED FROM <i>SSU #3</i>	DATE/TIME MAR 04 2016 0146	RECEIVED BY/STORED IN Frank Hall CHPRC	
RELINQUISHED BY/REMOVED FROM Frank Hall CHPRC	DATE/TIME MAR 04 2016 09:11	RECEIVED BY/STORED IN Heinz Huber	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN MAR 04 2016 0745	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	
RELINQUISHED BY/REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	
LABORATORY SECTION	RECEIVED BY	TITLE	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY	DATE/TIME

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CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-674	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 28	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-A-507-33-31	SAF NO. F15-011	AIR QUALITY	
ICE CHEST NO.		ACTUAL SAMPLE DEPTH 1780-1830 ft	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE	
SHIPPED TO <i>via 2-10-16</i> RS 23 Geo Technical		OFFSITE PROPERTY NO.	BILL OF LADING/AIR BILL NO.		
Mobile Field Laboratory					
MATRIX* A=Air DL=Drum L=Liquid DS=Drum S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool <+6C	W003011		
	HOLDING TIME	6 Months			
	TYPE OF CONTAINER	PVC CORE			
	NO. OF CONTAINER(S)	1			
	VOLUME	350g			
	SAMPLE ANALYSIS	CORE SAMPLE PREP.			
SPECIAL HANDLING AND/OR STORAGE <i>100% L. Based</i> <i>1-19-16</i>					
SAMPLE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME		
B34105	SOIL	1-19-16	0830		✓

ORIGINAL

CHAIN OF POSSESSION		SIGN/PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 19 2016	RECEIVED BY/STORED IN SSA #3	DATE/TIME JAN 19 2016	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM <i>SSU #3</i>	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Frank Hall CHPRC	DATE/TIME MAR 04 2016 0745		
RELINQUISHED BY/REMOVED FROM Frank Hall CHPRC	DATE/TIME MAR 04 2016 0810	RECEIVED BY/STORED IN Heinrich Huber	DATE/TIME MAR 04 2016 0810		
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		
LABORATORY SECTION	RECEIVED BY	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	
PRINTED ON 12/9/2015		FSR ID = FSR11576		TRVL NUM = TRVL-16-043	
				A-5003-618 (REV 2)	

8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-676	PAGE 1 OF 1
COLLECTOR EL. KauerchPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE COS	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 29	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-N-607-33-31	SAF NO. F15-011	AIR QUALITY ☐	
ICE CHEST NO. N/A	ACTUAL SAMPLE DEPTH 183.1 - 188.1	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE	ORIGINAL	
SHIPPED TO RJ Lee Mobile Field Laboratory 2-18-16	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A			
MATRIX* A=Air DL=Drum L=Liquid DS=Drum S=Solid O=Oil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR/ATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool <=6C	W603011		
	HOLDING TIME 6 Months				
	TYPE OF CONTAINER PVC CORE				
	NO. OF CONTAINER(S) 1				
	VOLUME 350g				
	SAMPLE ANALYSIS CORE SAMPLE PREP.				
SAMPLE NO. B34107	MATRIX* SOIL	SAMPLE DATE 1-19-16	SAMPLE TIME 0940		
SPECIAL HANDLING AND/OR STORAGE -RADIOACTIVE TO-B34106s -Liquor Bacon					

CHAIN OF POSSESSION		SIGN/PRINT NAMES		SPECIAL INSTRUCTIONS TRVL-16-043	
RELINQUISHED BY/REMOVED FROM EL. KauerchPRC	DATE/TIME JAN 19 2016 14:30	RECEIVED BY/STORED IN SIC #3	DATE/TIME JAN 19 2016 14:30		
RELINQUISHED BY/REMOVED FROM SIC #3	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Frank Hall	DATE/TIME MAR 04 2016 0745		
RELINQUISHED BY/REMOVED FROM Frank Hall	DATE/TIME MAR 04 2016 0810	RECEIVED BY/STORED IN K2 HCN H40r	DATE/TIME MAR 04 2016 0810		
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	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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TRVL NUM = TRVL-16-043

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CH2MHILL Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-678	PAGE 1 OF 1
COLLECTOR E.L. Kaunert/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days
SAMPLING LOCATION C9550, Core 30	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-N507-33-31	SAF NO. F15-011	AIR QUALITY	
ICE CHEST NO. N/A	ACTUAL SAMPLE DEPTH /88.1 - 193.1	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO R5 Lee Mobile Field Laboratory 2-18-76	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A			
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	PRESERVATION Cool < -6C	W603011			
POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/191A Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	HOLDING TIME 6 Months				
	TYPE OF CONTAINER PVC CORE				
	NO. OF CONTAINER(S) 1				
	VOLUME 350g				
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIE TO: B34108	SAMPLE ANALYSIS CORE SAMPLE PREP.				
SAMPLE NO. B34109	MATRIX* SOIL	SAMPLE DATE 1-17-16	SAMPLE TIME 1040		

CHAIN OF POSSESSION		SIGN/PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kaunert/CHPRC	DATE/TIME JAN 19 2016 1420	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 19 2016 1420	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM SSU #3	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Frank Hall	DATE/TIME MAR 04 2016 0745		
RELINQUISHED BY/REMOVED FROM Frank Hall	DATE/TIME MAR 04 2016 0711	RECEIVED BY/STORED IN Haber	DATE/TIME MAR 04 2016 0711		
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	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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8/1/2016

CH2MHill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F15-011-680	PAGE 1 OF 1
COLLECTOR E.L. KauerCHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7 Days		
SAMPLING LOCATION C0950, Core 31	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO.	SAF NO. F15-011	AIR QUALITY ☐			
ICE CHEST NO.		ACTUAL SAMPLE DEPTH 193.2-198.2 ft	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE			
SHIPPED TO RSLee 2-18-16	HNF-N-507-33-31 OFFSITE PROPERTY NO.		BILL OF LADING/AIR BILL NO.				ORIGINAL
MATRIX* A=Air DL=Drum L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WI=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/JATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool <=6C	W603011				
		HOLDING TIME 6 Months					
		TYPE OF CONTAINER PVC CORE					
		NO. OF CONTAINER(S) 1					
		VOLUME 350g					
	SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE TIE TO: B34110	SAMPLE ANALYSIS CORE SAMPLE PREP					
SAMPLE NO. B34111	MATRIX* SOIL	SAMPLE DATE 1-19-16	SAMPLE TIME 1240				

CHAIN OF POSSESSION		SIGN/PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. KauerCHPRC	DATE/TIME JAN 19 2016 1410	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 19 2016 1920	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM SSU #3	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Frank Hall	DATE/TIME MAR 04 2016 0745		
RELINQUISHED BY/REMOVED FROM Frank Hall	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Heinz	DATE/TIME MAR 04 2016 0745		
RELINQUISHED BY/REMOVED FROM CHPRC	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Hyder	DATE/TIME MAR 04 2016 0745		
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		

LABORATORY SECTION	RECEIVED BY	DATE/TIME
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DATE/TIME

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A-6003-618 (REV 2)

8/1/2016

CH2M Hill Plateau Remediation Company		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		F15-011-682	PAGE 1 OF 1
COLLECTOR E.L. Kauer/CHPRC	COMPANY CONTACT TODAK, D	TELEPHONE NO. 376-6427	PROJECT COORDINATOR TODAK, D	PRICE CODE C05	DATA TURNAROUND 7 Days / 7
SAMPLING LOCATION C9550, Core 32	PROJECT DESIGNATION 200-DV-1 Operable Unit Characterization of Waste Sites - Soil	FIELD LOGBOOK NO. HNF-JN-507-33-31	SAF NO. F15-011	AIR QUALITY ☐	ORIGINAL
ICE CHEST NO.	ACTUAL SAMPLE DEPTH 198.0 - 200.0 ft	COA 302632	METHOD OF SHIPMENT GOVERNMENT VEHICLE		
SHIPPED TO R5 Lee	OFFSITE PROPERTY NO. N/A	BILL OF LADING/AIR BILL NO. N/A			
MATRIX* A=Air DL=Drum Liquids DS=Drum Solids L=Liquid O=Oil S=Soil SE=Sediment T=Tissue V=Vegetation W=Water WL=Wipe X=Other	POSSIBLE SAMPLE HAZARDS/REMARKS *Contains Radioactive Material at concentrations that are not be regulated for transportation per 49 CFR/IATA Dangerous Goods Regulations but are not releasable per DOE Order 458.1.	PRESERVATION Cool <=6C	W603011		
	HOLDING TIME 6 Months				
	TYPE OF CONTAINER PVC CORE				
	NO. OF CONTAINER(S) 1				
	VOLUME 350g				
	SAMPLE ANALYSIS CORE SAMPLE PREP				
SPECIAL HANDLING AND/OR STORAGE RADIOACTIVE SITE TO B34412 Troy L. Borden 1-19-16					
SAMPLE NO. B34113	SOIL	SAMPLE DATE 1-19-16	SAMPLE TIME 1310		

CHAIN OF POSSESSION		SIGN/PRINT NAMES		SPECIAL INSTRUCTIONS	
RELINQUISHED BY/REMOVED FROM E.L. Kauer/CHPRC	DATE/TIME JAN 19 2016 1420	RECEIVED BY/STORED IN SSU #3	DATE/TIME JAN 19 2016 1420	TRVL-16-043	
RELINQUISHED BY/REMOVED FROM SSU #3	DATE/TIME MAR 04 2016 0745	RECEIVED BY/STORED IN Frank Hall	DATE/TIME MAR 04 2016 0745		
RELINQUISHED BY/REMOVED FROM Frank Hall CHPRC	DATE/TIME MAR 04 2016 0810	RECEIVED BY/STORED IN Heinz	DATE/TIME MAR 04 2016 0810		
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	TITLE		DATE/TIME	
FINAL SAMPLE DISPOSITION	DISPOSAL METHOD	DISPOSED BY		DATE/TIME	

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FSR ID = FSR11580

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