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**FINAL REPORT FOR THE SAMPLES RECEIVED IN
MARCH, 2010, FOR SAF I10-020**

**Document No.: 20100270 Reissue 1
SDG: 222S20100270**

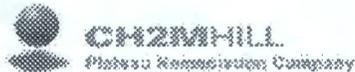
Carolina S. Menjivar
Advanced Technologies and Laboratories International, Inc.

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Prepared for:

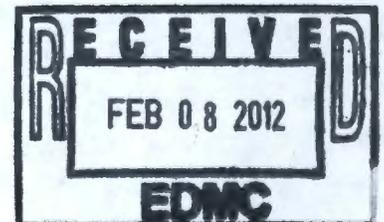
Prepared by:

RDR 6309
KB
6-16-10



Mike Neely
CH2M Hill Plateau Remediation Co.
P.O. Box 850
Richland, WA 99352
509-373-0654

ATL, Inc.
P.O. Box 250
Richland, WA 99352-0250
509-372-2525



C. S. Menjivar 04-19-10
C. S. Menjivar, Project Manager

222-S LABORATORY

FINAL REPORT FOR SAMPLES RECEIVED IN MARCH, 2010,
FOR SAF I10-020

1.0 INTRODUCTION

This report has been reissued in order to correct the result for sample B247R5 due to a calculation error. This correction was requested by the client in a Recheck, Recount, or Reanalysis Order Number 10041522-S-R6309 (see Attachment 4).

This final report presents the result for ten ground water samples taken on March 10, 2010. The samples were analyzed in accordance with Sampling Authorization Form I10-020; and ATL-MP-1011; *ATL Quality Assurance Project Plan for 222-S Laboratory (QAPP)*. The following attachments are included in this report.

Attachment 1	Data Summary Report
Attachment 2	Holding Time Report
Attachment 3	Receipt Paperwork
Attachment 4	Recheck, Recount, or Reanalysis Order

2.0 SAMPLE RECEIPT AND HANDLING

The samples were received on March 10, 2010, with adequate paperwork. For all samples, except B247N9, B247P0, B248N3, and B248N4, the measured temperature of the outside of the sample container was 12 °C. This was reported to the client on the laboratory's sample receipt check list (see Attachment 3).

3.0 ANALYTICAL RESULTS SUMMARY

The Data Summary Report (Attachment 1) presents the final analytical results. The "Det Limit" column in Attachment 1 contains the method detection limit (MDL).

In Attachment 1, the column labeled "A#" indicates the aliquot class or the method used for sample preparation before analysis. For analysis without a preparation step, this column is left blank.

The "Qual Flags" column in Attachment 1 contains data qualifier flags that are defined as follows:

- "U" indicates that the reported result is less than the calculated method detection limit.
- "B" indicates that the reported result is greater than the method detection limit (MDL) but less than the estimated quantitation limit (EQL).

Manual calculations using rounded results from the Data Summary Report or result calculation forms may differ slightly from the actual results derived from the raw data.

3.1 ANALYSES

3.1.1 Hexavalent Chromium by Spectrophotometric Determination

The hexavalent chromium analysis was performed on direct aliquots of the samples. All requirements in the SAF and QAPP were met.

4.0 PROCEDURES

Table 1 lists the analytical procedure used for analysis of this sample.

Table 1. Analytical Procedures.

Analysis	Preparation Method	Analysis Procedure
Hexavalent Chromium Analysis by Spectrophotometric Determination	NA	SW846-7196A

5.0 REFERENCES

ATL-MP-1011, 2009, *ATL Quality Assurance Project Plan for 222-S Laboratory*, Rev. 9, Applied Technologies and Laboratories International, Inc., Richland, Washington.

Sampling Authorization Form I10-020; 2010, CH2M Hill, Plateau Remediation Company, Richland, Washington

Attachment 1

DATA SUMMARY REPORT

WSCF - Anions & HexCr
Data Summary of All Results

Sample Group: 20100270

Customer Group or SDG Number: 222S20100270

Customer Sample ID: B247N9

Customer Sample ID: B247N9

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000175			18540-29-9	Hexavalent Chromium	ug/mL	101	<9.00E-03	0.0132	n/a	n/a	n/a	n/a	9.68E-03	n/a	B

NA = Not Analyzed, ND = Not Detectec

U - < Det Limit

B - Estimated

WSCF - Anions & HexCr
Data Summary of All Results

Sample Group: 20100270

Customer Group or SDG Number: 222S20100270

Customer Sample ID: B247P0

Customer Sample ID: B247P0

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000176			18540-29-9	Hexavalent Chromium	ug/mL	101	<9.00E-03	0.0174	n/a	n/a	n/a	n/a	9.68E-03	n/a	B

NA = Not Analyzed, ND = Not Detectec

U - < Det Limit

B - Estimated

WSCF - Anlons & HexCr
Data Summary of All Results

Sample Group: 20100270

Customer Group or SDG Number: 222S20100270

Customer Sample ID: B247R4

Customer Sample ID: B247R4

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000167			18540-29-9	Hexavalent Chromium	ug/mL	99.8	<9.00E-03	0.0201	n/a	n/a	n/a	n/a	9.68E-03	n/a	B

NA = Not Analyzed, ND = Not Detectec

U - < Det Limit

B - Estimated

WSCF - Anlons & HexCr
Data Summary of All Results

Sample Group: 20100270

Customer Group or SDG Number: 222S20100270

Customer Sample ID: B247R5

Customer Sample ID: B247R5

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000168			18540-29-9	Hexavalent Chromium	ug/mL	99.8	<9.00E-03	0.0236	n/a	n/a	n/a	n/a	9.68E-03	n/a	B

NA = Not Analyzed, ND = Not Detectec

U - < Det Limit

B - Estimated

WSCF - Anions & HexCr
Data Summary of All Results

Sample Group: 20100270

Customer Group or SDG Number: 222S20100270

Customer Sample ID: B248N3

Customer Sample ID: B248N3

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000177			18540-29-9	Hexavalent Chromium	ug/mL	101	<9.00E-03	0.0101	n/a	n/a	n/a	n/a	9.68E-03	n/a	B

NA = Not Analyzed, ND = Not Detectec

U - < Det Limit

B - Estimated

WSCF - Anions & HexCr
Data Summary of All Results

Sample Group: 20100270

Customer Group or SDG Number: 222S20100270

Customer Sample ID: B248N4

Customer Sample ID: B248N4

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000178			18540-29-9	Hexavalent Chromium	ug/mL	101	<9.00E-03	<9.68E-03	n/a	n/a	n/a	n/a	9.68E-03	n/a	U

NA = Not Analyzed, ND = Not Detectec

U - < Det Limit

B - Estimated

WSCF - Anlons & HexCr
Data Summary of All Results

Sample Group: 20100270

Customer Group or SDG Number: 222S20100270

Customer Sample ID: B248N6

Customer Sample ID: B248N6

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000169			18540-29-9	Hexavalent Chromium	ug/mL	99.8	<9.00E-03	0.965	n/a	n/a	n/a	n/a	9.68E-03	n/a	

NA = Not Analyzed, ND = Not Detectec

U - < Det Limit

B - Estimated

WSCF - Anlons & HexCr
Data Summary of All Results

Sample Group: 20100270

Customer Group or SDG Number: 222S20100270

Customer Sample ID: B248N7

Customer Sample ID: B248N7

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000170			18540-29-9	Hexavalent Chromium	ug/mL	99.8	<9.00E-03	0.967	n/a	n/a	n/a	n/a	9.68E-03	n/a	

NA = Not Analyzed, ND = Not Detectec

U - < Det Limit

B - Estimated

WSCF - Anions & HexCr
Data Summary of All Results

Sample Group: 20100270

Customer Group or SDG Number: 222S20100270

Customer Sample ID: B248N8

Customer Sample ID: B248N8

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000171			18540-29-9	Hexavalent Chromium	ug/mL	99.8	<9.00E-03	0.960	n/a	n/a	n/a	n/a	9.68E-03	n/a	

NA = Not Analyzed, ND = Not Detectec

U - < Det Limit

B - Estimated

WSCF - Anlons & HexCr
Data Summary of All Results

Sample Group: 20100270

Customer Group or SDG Number: 222S20100270

Customer Sample ID: B248N9

Customer Sample ID: B248N9

Sample#	R	A#	CAS #	Analyte	Unit	STD %	Blank	Result	Duplicate	Average	RPD %	Spk Rec %	Det Limit	Cnt Err %	Qual Flags
S10M000172			18540-29-9	Hexavalent Chromium	ug/mL	101	<9.00E-03	0.974	n/a	n/a	n/a	n/a	9.68E-03	n/a	

NA = Not Analyzed, ND = Not Detectec

U - < Det Limit

B - Estimated

Attachment 2

HOLDING TIME REPORT

Hold Time Report

SDG No 222S2010270

Sample Group	Sample	Matrix	Method	Sample Date	Received Date	Analysis Date	Missed Holding Time
20100270	S10M000169	LIQUID	SW846-7196	03/10/10 09:29	03/10/10 13:30	03/10/10 18:32	N
20100270	S10M000170	LIQUID	SW846-7196	03/10/10 09:29	03/10/10 13:30	03/10/10 18:32	N
20100270	S10M000171	LIQUID	SW846-7196	03/10/10 09:29	03/10/10 13:30	03/10/10 18:32	N
20100270	S10M000172	LIQUID	SW846-7196	03/10/10 09:29	03/10/10 13:30	03/10/10 18:32	N
20100270	S10M000177	LIQUID	SW846-7196	03/10/10 09:35	03/10/10 14:15	03/10/10 18:32	N
20100270	S10M000178	LIQUID	SW846-7196	03/10/10 09:35	03/10/10 14:15	03/10/10 18:32	N
20100270	S10M000167	LIQUID	SW846-7196	03/10/10 10:55	03/10/10 13:30	03/10/10 18:32	N
20100270	S10M000168	LIQUID	SW846-7196	03/10/10 10:55	03/10/10 13:30	03/10/10 18:32	N
20100270	S10M000175	LIQUID	SW846-7196	03/10/10 13:18	03/10/10 14:15	03/10/10 18:32	N
20100270	S10M000176	LIQUID	SW846-7196	03/10/10 13:18	03/10/10 14:15	03/10/10 18:32	N

Attachment 3

RECEIPT PAPERWORK

ATL	SAMPLE RECEIPT AND CHAIN OF CUSTODY VERIFICATION CHECKLIST	LO-090-101 Rev <u>D.D.1</u>
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Date Samples Received: 3/10/10 Group #: 20100270, 271
 Number of Samples: 6 269 GPR
3-11-10
 Sample Custodian: Cheryl Edwards

Sample Custodian to Complete:

Action	OK? (Y/N)	N/A	Comments
RSACOC provided?	✓		
RSR provided?		✓	
Verify GKI is complete	✓		
Check that outer custody seal is intact, if present	✓		
Record cooler temperature in centigrade, as appropriate <u>5°C</u>	✓		<input type="checkbox"/> Check if no cooler and/or no ice
Samples are intact and in good condition	✓		If No, provide comments on back
Verify that COC or RSA is accurate and complete, containing the following information:			
• Client name and client sample number	✓		
• Date and time of sampling	✓		
• Sampling location or origin	✓		
• Container type, size, and number	✓		
• Analysis request is clear	✓		
• Signature of persons relinquishing and receiving samples	✓		
• Date and/or time of sample custody exchange	✓		
Verify that sample numbers on containers match the COC and/or RSA	✓		
Samples stored properly (e.g. <u>refrigeration</u>)	✓		

Notify the PM immediately if any problems are noted. (A "No" answer requires Project Manager resolution.)

PM to Complete:

Samples acceptable for release? yes PM Initials _____ Date 3/10/10
 If No, comment on communication and resolution:
per CR

Other Comments:

CHPRC

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C. #
REVISION 020-66

Page 1 of 1

Collector S.J. Southerland CHPRC	Contact/Requester Karen Waters-Illsted	Telephone No. 376-4650
SAF No. 110-020	Sampling Origin Hanford Site	Purchase Order/Charge Code 30007IES20
Project Title 100KR4IAM MARCH 2010	Logbook No: HNF-N-506 31123	Ice Chest No. N/A
Shipped To (Lab) 222-S Lab Operations	Method of Shipment Government Vehicle	Bill of Lading/Air Bill No. N/A
Protocol CERCLA	Priority: 24 Hours PRIORITY	Offsite Property No. N/A

POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993) 270 N/A 3-11-10 GRP# 2000269 5	SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> 100 Area Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401647.
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Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B247R4	Y	W	3/10/10	1055	1x500-mL aG	7196_CR6: Hexavalent Chromium (1) 510M000167	24 Hours	Cool-4C
B247R5	N	W	3/10/10	1055	1x500-mL aG	7196_CR6: Hexavalent Chromium (1) 510M000168	24 Hours	Cool-4C
N/A 3/10/10 N/A								

Relinquished By S.J. Southerland CHPRC	Print 	Sign 	Date/Time MAR 10 2010 1350	Received By Cheryl Edwards	Print 	Sign 	Date/Time MAR 10 2010 1350	Matrix * S = Soil DS = Drum Solid SE = Sediment DI = Drum Limb SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By	Date/Time	Received By	Date/Time					
Relinquished By	Date/Time	Received By	Date/Time					
Relinquished By	Date/Time	Received By	Date/Time					
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)			Disposed By			Date/Time	

CHPRC

CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST

C.O.C.#
REVISION-020-70

Page 1 of 1

Collector S.J. Southerland	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. CHPRO	Sampling Origin Hanford Site	Purchase Order/Charge Code 30007IES20
Project Title 100KR4IAM MARCH 2010	Logbook No: HNF-N-506 31123	Ice Chest No. N/A
Shipped To (Lab) 222-S Lab Operations	Method of Shipment Government Vehicle	Bill of Lading/Air Bill No. N/A
Protocol CERCLA	Priority: 24 Hours PRIORITY	Offsite Property No. N/A

POSSIBLE SAMPLE HAZARDS/REMARKS ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)	SPECIAL INSTRUCTIONS 100 Area Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401647.	Hold Time	Total Activity Exemption: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
--	---	------------------	--

*270 MPR 3-11-10
GR#20100269*

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B248N6	Y	W	3/10/10	0929	1x500-mL aG	7196_CR6: Hexavalent Chromium (1) <i>SIOM000169</i>	24 Hours	Cool-4C
B248N7	N	W	3/10/10	0929	1x500-mL aG	7196_CR6: Hexavalent Chromium (1) <i>SIOM000170</i>	24 Hours	Cool-4C
<i>N/A</i>								
<i>3/10/10 NA</i>								

Relinquished By S.J. Southerland CHPRC	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time MAR 10 2010	Received By Cheryl Edwards	Print <i>[Signature]</i>	Sign <i>[Signature]</i>	Date/Time MAR 10 2010	Matrix * S = Soil DS = Drum Solid SF = Sediment DL = Drum Liquid SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By	Date/Time	Received By	Date/Time					
Relinquished By	Date/Time	Received By	Date/Time					
Relinquished By	Date/Time	Received By	Date/Time					
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)			Disposed By			Date/Time	

CHPRC

CHAIN OF CUSTODY SAMPLE ANALYSIS REQUEST

C.O.C. #
REVISION 020-71

Page 1 of 1

Collector S.J. Southerland CHPRC	Contact/Requester Karen Waters-Husted	Telephone No. 376-4650
SAF No. 110-020	Sampling Origin Hanford Site	Purchase Order/Charge Code 300071ES20
Project Title 100KR4IAM MARCH 2010	Logbook No: HNF-N-506 31123	Ice Chest No. N/A
Shipped To (Lab) 222-S Lab Operations	Method of Shipment Government Vehicle	Bill of Lading/Air Bill No. N/A
Protocol CERCLA	Priority: 24 Hours PRIORITY	Offsite Property No. N/A

POSSIBLE SAMPLE HAZARDS/REMARKS
 ** ** Contains Radioactive Material at concentrations that are not regulated for transportation per 49 CFR but are not releasable per DOE Order 5400.5 (1990/1993)

270
GCPH 20100369

SPECIAL INSTRUCTIONS Hold Time Total Activity Exemption: Yes No
 100 Area Generator Knowledge Information Form applies. The CACN for all analytical work at WSCF is 401647.

Sample No.	Filter	*	Date	Time	No/Type Container	Sample Analysis	Holding Time	Preservative
B248N8	Y	W	3/10/10	0929	1x500-mL aG	7196_CR6: Hexavalent Chromium (1) 510M000171	24 Hours	Cool-4C
B248N9	N	W	3/10/10	0929	1x500-mL aG	7196_CR6: Hexavalent Chromium (1) 510M000172	24 Hours	Cool-4C
N/A 3/10/10								

Relinquished By S.J. Southerland CHPRC	Print 	Sign 	Date/Time MAR 10 2010 1530	Received By Cheryl Edwards	Print 	Sign 	Date/Time MAR 10 2010 1530	Matrix * S = Soil DS = Drum Solid SE = Sediment DI = Drum Liner SO = Solid T = Tissue SL = Sludge WI = Wine W = Water L = Liquid O = Oil V = Vegetation A = Air X = Other
Relinquished By	Date/Time	Received By	Date/Time					
Relinquished By	Date/Time	Received By	Date/Time					
Relinquished By	Date/Time	Received By	Date/Time					
FINAL SAMPLE DISPOSITION	Disposal Method (e.g., Return to customer, per lab procedure, used in process)			Disposed By			Date/Time	

ATL	SAMPLE RECEIPT AND CHAIN OF CUSTODY VERIFICATION CHECKLIST	LO-090-101 Rev <u>D.D.1</u>
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Date Samples Received: 3/10/10 Group #: 2000269270
 Number of Samples: 10 OK
3-11-10
 Sample Custodian: [Signature]

Sample Custodian to Complete:

Action	OK? (Y/N)	N/A	Comments
RSA/COC provided?	✓		
RSR provided?		✓	
Verify GKI is complete	✓		
Check that outer custody seal is intact, if present	✓		
Record cooler temperature in centigrade, as appropriate	✓		<input type="checkbox"/> Check if no cooler and/or no ice 0°C
Samples are intact and in good condition	✓		If No, provide comments on back
Verify that COC or RSA is accurate and complete, containing the following information:			
• Client name and client sample number	✓		
• Date and time of sampling	✓		
• Sampling location or origin	✓		
• Container type, size, and number	✓		
• Analysis request is clear	✓		
• Signature of persons relinquishing and receiving samples	✓		
• Date and/or time of sample custody exchange	✓		
Verify that sample numbers on containers match the COC and/or RSA	✓		
Samples stored properly (e.g., refrigeration)	✓		<u>23 - Frig 4</u>

Notify the PM immediately if any problems are noted. (A "No" answer requires Project Manager resolution.)

PM to Complete:

Samples acceptable for release? yes PM Initials RT Date 3.10.10

If No, comment on communication and resolution:
For JR Ritenour

Other Comments:

**20100270 Ressu# 1
222-S**

REVISION 1

WRPS, P. O. Box 850
Richland, WA

Phone: (509) 376-5029 / FAX: (509) 372-1878

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Sample Group: 20100270

Specification Entity: WSCF - Anions & HexCr - CACN/COA 75A/401647

The following samples were received from you on 03/10/2010. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using 222-S.

Sample	Customer Sample ID	Matrix	Sample Date
Tests Scheduled			
S10M000167 CHROMIUM VI	B247R4	LIQUID	03/10/2010
S10M000168 CHROMIUM VI	B247R5	LIQUID	03/10/2010
S10M000169 CHROMIUM VI	B248N6	LIQUID	03/10/2010
S10M000170 CHROMIUM VI	B248N7	LIQUID	03/10/2010
S10M000171 CHROMIUM VI	B248N8	LIQUID	03/10/2010
S10M000172 CHROMIUM VI	B248N9	LIQUID	03/10/2010
S10M000175 CHROMIUM VI	B247N9	LIQUID	03/10/2010
S10M000176 CHROMIUM VI	B247P0	LIQUID	03/10/2010
S10M000177 CHROMIUM VI	B248N3	LIQUID	03/10/2010
S10M000178 CHROMIUM VI	B248N4	LIQUID	03/10/2010

Test Acronym Description

Test Acronym	Description
CHROMIUM VI	Chromium (VI) by Spec.

GENERATOR KNOWLEDGE INFORMATION

1. Chain of Custody Number NA CACN/COA NA Customer Identification Number NA

2. List generator knowledge or description of process that produced sample. Or list description of sample source:
100 Area S&GRP Characterization and Monitoring Sampling and Analysis

MSDS Available? No Yes Hanford MSDS No: _____

3. List all waste codes and constituents associated with the waste or media that was sampled, regardless of CERCLA status.

a) Does the sample contain any of the following listed waste codes?
 By checking "unknown" the customer understands that no knowledge is available following a careful search.

List Federal Waste Code(s):	List Constituent(s):			
P Codes: _____	_____	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Unknown
U Codes: _____	_____	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Unknown
K Codes: _____	_____	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Unknown
F Codes: _____	_____	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Unknown

b) List applicable characteristic waste codes, flash point, pH, constituents, and concentrations as appropriate.

D001: <input type="checkbox"/> FP <100°F	<input type="checkbox"/> FP ≥100 <140°F	<input type="checkbox"/> DOT Oxidizer	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Unknown
D002: <input type="checkbox"/> pH ≤2	<input type="checkbox"/> pH ≥12.5	<input type="checkbox"/> Solid Corrosive (WSC2)	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Unknown
D003: <input type="checkbox"/> Cyanide	<input type="checkbox"/> Sulfide	<input type="checkbox"/> Water Reactive	<input type="checkbox"/> Other _____	<input type="radio"/> Yes	<input checked="" type="radio"/> No
D004-D043 (Identify applicable waste codes and concentrations):			(i.e., peroxide former, explosive, air reactive)		
			<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> Unknown

N/A

c) If characteristic, list any known underlying hazardous constituents (UHCs) reasonably expected to be present, and their concentrations that may be present above the LDR treatment standard (40 CFR 268.48):

N/A

d) List any known Land Disposal Restrictions (LDR) subcategories, if applicable (40 CFR 268.40):

N/A

e) List any applicable Washington State dangerous waste codes: (not required if federally regulated) (*State mixture rule for ignitability)

WT01: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown	WP01: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
WT02: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown	WP02: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
W001: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown	WP03: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown
List constituents and concentrations:	F003*: <input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> Unknown

N/A

4. Is this material TSCA regulated for PCBs? Yes No Unknown Analysis Requested

List concentration if applicable: _____

If yes, what is the source of the PCBs? (see TSCA PCB Hanford Site User Guide, DOE/RL-2001-50)

<input type="checkbox"/> PCB Liquid Waste	<input type="checkbox"/> PCB Bulk Product Waste	<input type="checkbox"/> PCB Transformer ≥500 ppm	<input type="checkbox"/> Unknown
<input type="checkbox"/> PCB Remediation Waste	<input type="checkbox"/> PCB R&D Waste	<input type="checkbox"/> PCB contaminated electrical equipment (capacitor/ballast) <500 ppm	
<input type="checkbox"/> PCB Spill Material	<input type="checkbox"/> PCB Item	<input type="checkbox"/> Other PCB Waste (list) _____	

5. Is this material TRU? Yes No Unknown

6. ACCURACY OF INFORMATION

Based on my inquiry of those individuals immediately responsible for obtaining this information, that to the best of my knowledge, the information entered in this document is true, accurate, and complete.

Print & Sign SJ TRENT / [Signature] Date 12/3/07

Attachment 4

RECHECK, RECOUNT, OR REANALYSIS ORDER

04/15/2010

**RECHECK, RECOUNT, OR REANALYSIS ORDER
CONTRACT NO MW6-SBB-A19981****222-S Lab Operations****Hanford Works - 200W MSIN: T6-20****Richland, WA 99352**

CHPRC Order Number: 100415222-S-R6309

Sample Delivery Group: 222S20100270

Special Instructions None

Samples(s)

Lab Sample ID	CHPRC Sample	Action	TAT	METHOD_NAME:
S10M000168	B247R5	Recheck	15/15	7196_CR6

Deliver Report Results to: CH2M Hill Plateau Remediation Company

P.O. Box 1600
Mail Stop - R3-60
Richland, WA 99352
C/O Mr. Mike Neely