

SAF-RC-148
300 Area D4 Waste Sites –
Soil Full Protocol
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 11/20/12
INITIAL/DATE

COMMENTS:

SDG MA05814

SAF-RC-148

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 300-46 Waste Site
(3706 Bldg) Verification

Asbestos PLM Cover Sheet

Sample Date: October 22, 2012
Receipt Date: November 12, 2012
Reporting Date: November 19, 2012
SDG #: MA05814
SAF#: RC-148
Data Deliverable: 7 Day Turn

Customer Sample Number	Laboratory Sample Number	Analytical Batch Identification	Sample Matrix
J1R3V9	MXAFA	2317083	SOIL
J1R3W0	MXAFC	2317083	SOIL
J1R3W1	MXAFD	2317083	SOIL
J1R3W2	MXAFE	2317083	SOIL

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the following signature.

Reviewed and approved:



Dennis O'Neill
Project Manager

We certify that the following samples were prepared by Polarized Light Microscopy for asbestos and other fibrous constituents using TestAmerica's procedure, RL-ASB-002. The samples were acceptable upon receipt except where noted. Mountings of fibers observed and representative portions of the material were prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the portions of materials analyzed and are summarized on the attached Asbestos PLM analysis data sheet. TestAmerica will dispose of all bulk samples after 60 days unless other arrangements are made.

*Some samples may contain fibers that are not visible by PLM and can only be discovered by electron microscopy techniques.

TA Richland
Asbestos PLM

Analyst:	D. Petty	SOP Information	Method	Batch #	2317083
Analyst Signature:		RL-ASB-002	NIOSH 9002	SDG #	MA05814
Date:	11/13/12	Revision 2			
Macroscopic examination					
Sample ID	MXAFA1AA	MXAFC1AA	MXAFD1AA	MXAFE1AA	
Client ID	J1R3V9'	J1R3W0'	J1R3W1'	J1R3W2'	
Sample Description	soil and stones	soil	soil and stones	soil and stones	
Homogeneous	N	Y	N	N	
Color	brown/gray	brown	brown/gray	brown/gray	
% Visible Fibers	0	0	0	0	
PLM Analysis					
Asbestiform Minerals					
% Chrysotyle	ND	ND	ND	ND	
% Amosite	ND	ND	ND	ND	
% Crocidolite	ND	ND	ND	ND	
% Tremolite	ND	ND	ND	ND	
% Actinolite	ND	ND	ND	ND	
% Anthophyllite	ND	ND	ND	ND	
% Total Asbestos	ND	ND	ND	ND	
Other Materials					
% Cellulose	ND	ND	ND	ND	
% Glass Fibers	ND	ND	ND	ND	
% Other fibers	ND	ND	ND	ND	
% Non-fibrous	100	100	100	100	

Comments:

Note: "ND" stands for "None Detected". "TRA" stands for "<1%"

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			RC-148-069	Page <u>2</u> of <u>2</u>
Collector Simonds, M	Company Contact Joan Kessner	Telephone No. 509-375-4688	Project Coordinator KESSNER, JH	Price Code 8L	Data Turnaround 10/22/12 7 Days	
Project Designation 300 Area D4 Waste Sites - Soil Full Protocol		Sampling Location 300 - 46 Waste Site [3706 Bldg] Verification		SAF No. RC-148		
Ice Chest No. <i>NA</i>	Field Logbook No. EL-1663-04	COA R300462000	Method of Shipment <u>Hand Deliver/Government Vehicle/FedEx</u>			
Shipped To Test America Richland (IH)		Offsite Property No. <i>NA</i>	Bill of Lading/Air Bill No. <i>See OSPC A-10-24-12 NA</i>			

POSSIBLE SAMPLE HAZARDS/REMARKS <i>Potential Radioactive < DOT Limits</i> <i>A# 11-12-12</i> Special Handling and/or Storage <i>Cooler - None</i> <i>A# 10-24-12</i>	Preservation	None																			
	Type of Container	G/P																			
	No. of Container(s)	1																			
	Volume	250mL																			
<i>JALIA0423</i> <i>MA05814</i> <i>Due 11-19-12</i>		Asbestos-Bulk - NIOSH 9002																			

Sample No.	Matrix *	Sample Date	Sample Time																			
J1R3V5	SOIL																					
J1R3V6	SOIL																					
J1R3V7	SOIL																					
J1R3V8	SOIL																					
J1R3V9MKAFA	SOIL	10/22/2012	1231	✓																		

CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS										Matrix *
Relinquished By/Removed From <i>MICHAEL SANDS</i>	Date/Time 10/22/12 1415	Received By/Stored In <i>DAVID BECKER</i>	Date/Time 10/22/12 1415	<div style="text-align: center;">  </div>										<ul style="list-style-type: none"> S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other
Relinquished By/Removed From <i>DAVID BECKER</i>	Date/Time 10/22/12 1730	Received By/Stored In <i>300 AREA SECURED RMA SAMPLE STORAGE</i>	Date/Time 10/22/12 1730											
Relinquished By/Removed From <i>300 AREA SECURED RMA SAMPLE STORAGE</i>	Date/Time 10/24/12 1430	Received By/Stored In <i>DAVID BECKER</i>	Date/Time 10/24/12 1430											
Relinquished By/Removed From <i>DAVID BECKER</i>	Date/Time 10/24/12 1705	Received By/Stored In <i>1060#3 A. Freier</i>	Date/Time 10-24-12											
Relinquished By/Removed From <i>A. Freier</i>	Date/Time 11-12-12 1055	Received By/Stored In <i>TALL S. Boyd</i>	Date/Time 11-12-12 1055											
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

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			RC-148-069	Page <u>1</u> of <u>7</u> <u>10/22/12</u>
Collector Simonds, M	Company Contact Joan Kessner	Telephone No. 509-375-4688	Project Coordinator KESSNER, JH	Price Code 8L	Data Turnaround 7 Days	
Project Designation 300 Area D4 Waste Sites - Soil Full Protocol	Sampling Location 300 - 46 Waste Site [3706 Bldg] Verification		SAF No. RC-148			
Ice Chest No. <i>NA</i>	Field Logbook No. EL-1663-04	COA R300462000	Method of Shipment <u>Hand Deliver/Government Vehicle/FedEx</u>			
Shipped To Test America Richland (IH)	Offsite Property No. <i>NA</i>	Bill of Lading/Air Bill No. <u>See OSFC - A-10-24-12 NA</u>				

POSSIBLE SAMPLE HAZARDS/REMARKS <i>Potential Radioactive < DOT Limits</i> <i>A# 11-12-12</i> Special Handling and/or Storage <i>Good +6 None</i> <i>A# 10-24-12</i>	Preservation	None																			
	Type of Container	G/P																			
	No. of Container(s)	1																			
	Volume	250mL																			

<i>JAK120423</i> <i>MAD5814</i> <i>Due 11-9-12</i>	SAMPLE ANALYSIS	Asbestos-Bulk - NIOSH 9002																			
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Sample No.	Matrix *	Sample Date	Sample Time																			
J1R3W0 <i>MXAFC</i>	SOIL	<i>1247 10/22/12</i>	<i>1247</i>	<i>✓</i>																		
J1R3W1 <i>MXAFD</i>	SOIL	<i>10/22/12</i>	<i>1305</i>	<i>✓</i>																		
J1R3W2 <i>MXAFE</i>	SOIL	<i>10/22/12</i>	<i>1330</i>	<i>✓</i>																		
J1R3W3	SOIL																					
J1R3W4	SOIL																					

CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS										Matrix *
Relinquished By/Removed From <i>MIRANDA JONES</i>	Date/Time <i>10/22/12 145</i>	Received By/Stored In <i>DAVID BECKER</i>	Date/Time <i>10/22/12 1415</i>											<ul style="list-style-type: none"> S=Soil SE=Settiment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other
Relinquished By/Removed From <i>DAVID BECKER</i>	Date/Time <i>10/22/12 1730</i>	Received By/Stored In <i>300 AREA SECURED RMA SAMPLE STORAGE</i>	Date/Time <i>10/22/12 1730</i>											
Relinquished By/Removed From <i>300 AREA SECURED RMA SAMPLE STORAGE</i>	Date/Time <i>10/24/12 1430</i>	Received By/Stored In <i>DAVID BECKER</i>	Date/Time <i>10/24/12 1430</i>											
Relinquished By/Removed From <i>DAVID BECKER</i>	Date/Time <i>10/24/12 1705</i>	Received By/Stored In <i>1060#3</i>	Date/Time <i>1705</i>											
Relinquished By/Removed From <i>A. Freier A. Freier</i>	Date/Time <i>11-12-12 1055</i>	Received By/Stored In <i>DRUCKER TALK 11-12-12 1055</i>	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