

SAF-RC-234
100-IU-2 & 100-IU-6 Remaining
Waste Sites – Other
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt

H4-21

KW 12/22/14
INITIAL/DATE

COMMENTS:

SDG MA10514

SAF-RC-234

Rad only

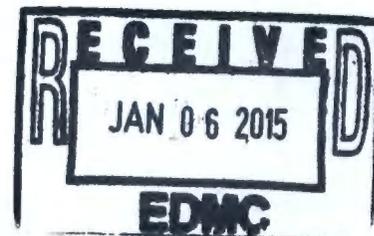
Chem only

Rad & Chem

Complete

Partial

Sample Location: 600-358, suspect asbestos material



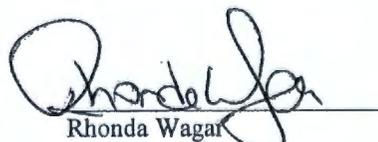
Asbestos PLM Cover Sheet

Sample Date: December 18, 2014
Receipt Date: December 18, 2014
Reporting Date: December 19, 2014
SDG #: MA10514
SAF#: RC- 234
Sampling Location: 600-358, suspect asbestos material
Data Deliverable: 7 Day Turn

Customer Sample Number	Laboratory Sample Number	Analytical Batch Identification	Sample Matrix
J1V2N5	M5R0J	4353012	OTHER
J1V2N6	M5R0K	4353012	OTHER
J1V2N7	M5R0L	4353012	OTHER

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:


Rhonda Wagar
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: R. Clark		SOP Information		Method		Batch # 4353012	
Analyst Signature: <i>[Signature]</i>		RL-ASB-002		NIOSH 9002		SDG # MA10514	
Date: 12/19/14		Revision 7					
Sample ID		M5R0J1AA		M5R0K1AA			
Client ID		J1V2N5'		J1V2N6'			
Macroscopic examination							
Sample Description	<u>Multiple Layer Sample:</u> Insulation	<u>Multiple Layer Sample:</u> Soil with Debris	TOTAL SAMPLE	Sand			
Homogeneous	N	N	N	N			
Color	Tan	Brown	Tan, Brown	Tan			
% Visible Fibers			40	5			
PLM Analysis							
Asbestiform Minerals							
% Chrysotyle	35	15	29	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	35	15	29	ND			
Other Materials							
% Cellulose	3	1	2	7			
% Glass Fibers	ND	ND	ND	ND			
% Other fibers	ND	ND	ND	ND			
% Non-fibrous	62	84	69	93			

Comments:

*** The sample contains 2 distinct homogeneous layers which were analyzed and reported separately. The total asbestos content (calculated as weighted average) of the sample is reported as well.**

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

**TA Richland
Asbestos PLM**

Analyst:	R. Clark	SOP Information	Method	Batch #	4353012
Analyst Signature:	<i>R. Clark</i>	RL-ASB-002	NIOSH 9002	SDG #	MA10514
Date:	12/19/14	Revision 7			
Sample ID	M5R0L1AA				
Client ID	J1V2N7				
Macroscopic examination					
Sample Description	Multiple Layer Sample: Insulation	Multiple Layer Sample: Soil with Debris	TOTAL SAMPLE		
Homogeneous	N	N	N		
Color	Tan	Brown	Tan; Brown		
% Visible Fibers			40		
PLM Analysis					
Asbestiform Minerals					
% Chrysotyle	35	20	27		
% Amosite	ND	ND	ND		
% Crocidolite	ND	ND	ND		
% Tremolite	ND	ND	ND		
% Actinolite	ND	ND	ND		
% Anthophyllite	ND	ND	ND		
% Total Asbestos	35	20	27		
Other Materials					
% Cellulose	4	4	4		
% Glass Fibers	ND	ND	ND		
% Other fibers	ND	ND	ND		
% Non-fibrous	61	76	69		

Comments:

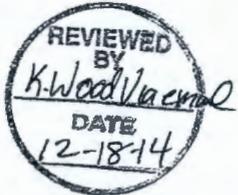
*** The sample contains 2 distinct homogeneous layers which were analyzed and reported separately.**

The total asbestos content (calculated as weighted average) of the sample is reported as well.

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

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-234-028	Page 1 of 1
Collector SHEA, DW		Company Contact Joan Kessner		Telephone No. 375-4688		Project Coordinator KESSNER, JH	
Project Designation 100-IU-2 & 100-IU-6 Remaining Waste Sites		Sampling Location 600-358, suspect asbestos material		SAF No. RC-234		Price Code Data Turnaround 7 Days	
Ice Chest No. <i>WCH 11-017</i>		Field Logbook No. EL-1667-02		COA 0603582600		Method of Shipment Local Delivery	
Shipped To TestAmerica Richland - IH		Offsite Property No. <i>NA</i>		Bill of Lading/Air Bill No. <i>NA</i>			
Other Labs Shipped To <i>NA</i>		Preservation None		Type of Container G/P		No. of Container(s) <i>2 x LP</i>	
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Possibel asbestos containing</i>		Volume 60mL		Sample Analysis Asbestos-Bulk - NIOSH 9002			
Special Handling and/or Storage <i>None</i>							
Sample No.	Matrix	Sample Date	Sample Time				
J1V2N5	M5R0J	12/18/14	1204	✓			
J1V2N6	M5R0K	12/18/14	1207	✓	-1x bag		
J1V2N7	M5R0L	12/18/14	1210	✓			
J1V2N8	OTHER	<i>7 DWS</i>					
J1V2N9	OTHER	<i>12/18/14</i>					
CHAIN OF POSSESSION			Sign/Print Names		SPECIAL INSTRUCTIONS		
Relinquished By/Removed From <i>M. Shea</i>		Date/Time <i>12/18/14 1535</i>	Received By/Stored In <i>C. Bingham</i>		Date/Time <i>12-18-14 1535</i>		
Relinquished By/Removed From <i>C. Bingham</i>		Date/Time <i>12-18-14 1600</i>	Received By/Stored In <i>J. F. ...</i>		Date/Time <i>12/18/14 1600</i>		
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time		
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time		
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time		
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time		
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time		
FINAL SAMPLE DISPOSITION		Disposal Method	Disposed By		Date/Time		

Per J. Kessner (WCH) w/discussion w/R. Wagner (TARLIT) analytical results should be ready by 12/22/14. M. Shea 12/18/14



*J4L180429
MA10514
Due 12/22/14*

