

SAF-RC-040
300 Area D&D Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Mike Stankovich

L1-01

KW 8/29/07
INITIAL/DATE

COMMENTS:

SDG 07-A-4812

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 384 Building, Boiler #6

RECEIVED
SEP 10 2007

EDMC



8/28/07
Page 1 of 2

SUBMITTED TO:

Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354



REFERENCE DATA:

Client Sample No.:	J15HT7 through J15HV1
P.O. No.:	Not Available
Sample Location:	384 Building Boiler #6
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-4812
DCL Sample ID No.:	07-27831 through 07-27835
Sample Receipt Date:	8/28/07
Analysis Date:	8/28/07

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are 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 materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government.

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**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford
Location: 384 Building Boiler #6
Set ID: 07-A-4812

Client Sample ID:	J15HT7	J15HT8	J15HT9	J15HV0	J15HV1
DCL Sample ID:	07-27831	07-27832	07-27833	07-27834	07-27835
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.	Homog.
Color:	Grey	Grey	Grey	Brown	Brown
Texture:	Crumbly	Crumbly	Crumbly	Crumbly	Crumbly
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
Other Materials					
% Cellulose:					
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:					
% Non Fibrous:	>90 ≤ 100				

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-325	Page 1 of 1		
Collector Mike Stankovich		Company Contact Mike Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH	Price Code 9K	Data Turnaround	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 384 Building <i>Boiler #6</i>		SAF No. RC-040		<i>RUSH</i>	<i>7 Days</i>		
Ice Chest No. <i>FED EX BOX</i>		Field Logbook No. EL-1518-8		COA <i>RD4MXX2F00</i>		Method of Shipment Federal Express		<i>per Joan Kessner Airt</i>	
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A070416</i>		Bill of Lading/Air Bill No. See OSPC				<i>12/21/07</i>	
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Asbestos</i>			Preservation	None					
Special Handling and/or Storage <i>07-A-4812</i>			Type of Container	G/P					
			No. of Container(s)	1					
			Volume	5g					
SAMPLE ANALYSIS			Asbestos-BULK-EPA						
Sample No. <i>07</i>	Matrix *	Sample Date	Sample Time						
J15HT7 <i>27831</i>	OTHER SOLID	<i>8-27-07</i>	<i>0835</i>	X					
J15HT8 <i>27832</i>	OTHER SOLID	↓	<i>0840</i>	r					
J15HT9 <i>27833</i>	OTHER SOLID		<i>0845</i>	r					
J15HV0 <i>27834</i>	OTHER SOLID		<i>0850</i>	r					
J15HV1 <i>27835</i>	OTHER SOLID		<i>0855</i>	X					
CHAIN OF POSSESSION			Sign/Print Names		SPECIAL INSTRUCTIONS			Matrix *	
Relinquished By/Removed From		Date/Time	Received By/Stored In		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00			S=Soil SE=Settlement SD=Solid SI=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Thane WI=Wipe L=Liquid V=Vegetation X=Other	
<i>M. Stankovich</i>		<i>8/27/07</i>	<i>M. Stankovich</i>		Sampling COA - R38400 1000				
Relinquished By/Removed From		Date/Time	Received By/Stored In						
<i>M. Stankovich</i>		<i>8-27-07 1500</i>	<i>FED EX</i>						
Relinquished By/Removed From		Date/Time	Received By/Stored In						
<i>Fed Ex</i>			<i>[Signature]</i>						
Relinquished By/Removed From		Date/Time	Received By/Stored In						
			<i>[Signature]</i>						
Relinquished By/Removed From		Date/Time	Received By/Stored In						
			<i>[Signature]</i>						
Relinquished By/Removed From		Date/Time	Received By/Stored In						
			<i>[Signature]</i>						
LABORATORY SECTION	Received By	Title		Date/Time					
	<i>[Signature]</i>	<i>07</i>		<i>8/28/07</i>		<i>047</i>			
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By		Date/Time					
		<i>[Signature]</i>		<i>8/28/07</i>					