

0074238

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 10/23/07
INITIAL/DATE

COMMENTS:

SDG 07-A-5901

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 3718E

RECEIVED
OCT 29 2007

EDMC



10/22/07
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.: J15VL5 through J15VL9
P.O. No.: Not Available
Sample Location: 3718E
Sample Type: Bulk
Method Reference: EPA-600/R-93/116
DCL Set ID No.: 07-A-5901
DCL Sample ID No.: 07-34242 through 07-34246
Sample Receipt Date: 10/16/07
Analysis Date: 10/22/07

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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NOVATO, CALIFORNIA 94945
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**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford
Location: 3718E
Set ID: 07-A-5901

Client Sample ID:	J15VL5	J15VL6	J15VL7	J15VL8	J15VL9
DCL Sample ID:	07-34242	07-34243	07-34244	07-34245	07-34246
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Layered Inseparable	Homog.
Color:	Tan	Tan	Grey	Grey/Tan	Grey
Texture:	Fibrous	Fibrous	Fibrous	Crmbly/Fbrs	Crumbly
Description:	Material	Material	Insulation	Drywall	Glaze
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					Trace
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	Trace
Other Materials					
% Cellulose:	>80 ≤ 90	>80 ≤ 90		>10 ≤ 20	
% Fiberglass:			>90 ≤ 100		
% Other Fibers:					
% Resin/Binder:					
% Non Fibrous:	>5 ≤ 10	>5 ≤ 10	>1 ≤ 3	>70 ≤ 80	>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-040-333		Page 1 of 1	
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 3718E		SAF No. RC-040					
Ice Chest No. <i>FoEx Box</i>		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A080025</i>		Bill of Lading/Air Bill No. See OSPC					
POSSIBLE SAMPLE HAZARDS/REMARKS			Preservation	None					
Special Handling and/or Storage			Type of Container	G/P					
			No. of Container(s)	1					
			Volume	5g					
SAMPLE ANALYSIS				Asbestos- BULK-EPA					
<i>07-A-5901</i>									
Sample No.	Matrix *	Sample Date	Sample Time						
J15VL5 <i>34242</i>	OTHER SOLID	<i>10/15/07</i>	<i>0900</i>	<i>X</i>					
J15VL6 <i>34243</i>	OTHER SOLID	<i>↓</i>	<i>0905</i>	<i>X</i>					
J15VL7 <i>34244</i>	OTHER SOLID		<i>0910</i>	<i>X</i>					
J15VL8 <i>34245</i>	OTHER SOLID		<i>0915</i>	<i>X</i>					
J15VL9 <i>34246</i>	<i>other solid</i>		<i>0920</i>	<i>X</i>					
CHAIN OF POSSESSION			Sign/Print Names			SPECIAL INSTRUCTIONS			
Relinquished By/Removed From	Date/Time <i>1210</i>	Received By/Stored In	Date/Time <i>1210</i>	Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00				<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 Wf=Wipe L=Liquid V=Vegetation X=Other 	
<i>MT Stankovich</i>	<i>10/15/07</i>	<i>WCH</i>	<i>10/15/07</i>						
<i>BWSingleton</i>	<i>10/15/07 1500</i>	<i>FED EX</i>							
<i>FedEx</i>			<i>1250</i>						
		<i>J. L. Ho</i>	<i>10/16/07</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						
LABORATORY SECTION	Received By	Title		Date/Time					
	<i>[Signature]</i>	<i>10/16/07</i>							
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By		Date/Time					