

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

COMPLETE COPY OF DATA PACKAGE TO:

Renee Nielson L1-04

KW 4/25/07
INITIAL/DATE

COMMENTS:

SDG 07-A-2043

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 321 Building

RECEIVED
MAY 03 2007

EDMC



4/25/07
Page 1 of 2

SUBMITTED TO:

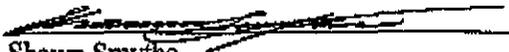
Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354

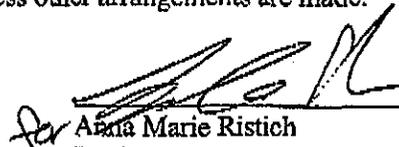


REFERENCE DATA:

Client Sample No.:	J14XL7 through J14XL9
P.O. No.:	Not Available
Sample Location:	321 Building
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-2043
DCL Sample ID No.:	07-12232 through 07-12234
Sample Receipt Date:	4/18/07
Analysis Date:	4/25/07

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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4388 GLENDALE-MILFORD ROAD
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NOVATO, CALIFORNIA 94945
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DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report

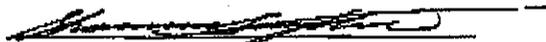
Client: Washington Closure Hanford
 Location: 321 Building
 Set ID: 07-A-2043

Client Sample ID:	J14XL7	J14XL8	J14XL9
DCL Sample ID:	07-12232	07-12233	07-12234
Macroscopic Examination			
Accepted/Rejected:	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.
Color:	Grey	Grey	Grey
Texture:	Fibrous	Fibrous	Fibrous
Description:	Material	Material	Material
Analysis:	PLM	PLM	PLM
Asbestiform Minerals			
% Chrysotile:	>40 ≤ 50	>40 ≤ 50	>40 ≤ 50
% Amosite:			
% Crocidolite:			
% Tremolite - Actinolite:			
% Anthophyllite:			
% Total Asbestos:	>40 ≤ 50	>40 ≤ 50	>40 ≤ 50
Other Materials			
% Cellulose:			
% Fiberglass:			
% Other Fibers:	>30 ≤ 40	>30 ≤ 40	>30 ≤ 40
% Resin/Binder:			
% Non Fibrous:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10

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-040-252	Page 1 of 4	
Collector Mike Stankovich/Renee Nielson		Company Contact Renee Nielson		Telephone No. 430-5466		Project Coordinator KESSNER, JH	Price Code 9K	Data Turnaround 7 Days
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 321 Building		SAF No. RC-040				
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-6		COA <i>see below</i>		Method of Shipment Federal Express		
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A070260		Bill of Lading/Air Bill No. See OSPC				
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Asbestos Beryllium</i>		Special Handling and/or Storage		Preservation	None	<i>now</i>		
				Type of Container	G/P	<i>G/P</i>		
				No. of Container(s)	1	<i>1</i>		
				Volume	5g	<i>5g</i>		
				Asbestos-BULK-EPA		<i>Asbestos TEM</i>		
				SAMPLE ANALYSIS 07-X-2043				
Sample No. <i>07</i>	Matrix *	Sample Date	Sample Time					
J14XL6 <i>12231</i>	OTHER SOLID							
J14XL7 <i>12232</i>	OTHER SOLID	<i>4/17/07</i>	<i>0800</i>	<i>X</i>				
J14XL8 <i>12233</i>	OTHER SOLID	<i>4/17/07</i>	<i>0805</i>	<i>X</i>				
J14XL9 <i>12234</i>	OTHER SOLID	<i>4/17/07</i>	<i>0810</i>	<i>X</i>				
J14XMD <i>12235</i>	OTHER SOLID	<i>4/17/07</i>	<i>0815</i>	<i>X</i>	<i>X</i>			
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *
Relinquished By/Removed From <i>M. Stankovich</i>		Date/Time <i>4/17/07 0915</i>		Received By/Stored In <i>R. Nielson</i>		Date/Time <i>4-17-07 0915</i>		<ul style="list-style-type: none"> S=Soil SP=Soil/mccr. SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Dryon Solids DL=Dryon Liquids T=Tissue W=Wipes L=Liquid V=Vegetation X=Other
Relinquished By/Removed From <i>B.M. Singleton</i>		Date/Time <i>4-17-07</i>		Received By/Stored In <i>FED EX</i>		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		
LABORATORY SECTION	Received By <i>X Orell</i>		Title		Date/Time 4-18-07 1427			
FINAL SAMPLE DISPOSITION	Disposal Method		Disposed By		Date/Time			

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-264		Page 1 of 1														
Collector Mike Stankovich/Renee Nielson		Company Contact Renee Nielson		Telephone No. 430-5466		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days														
Project Description 300 Area D&D Waste Characterization Sampling - Other Soil		Sampling Location 321 Building		SAF No. RC-040																		
Ice Chest No. FED EX BOX		Field Logbook No. EL-1518-6		COA See below		Method of Shipment Federal Express																
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A070260		Bill of Lading/Air Bill No. See OSCP																		
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos Beryllium					Preservation	None	None															
Special Handling and/or Storage					Type of Container	G/P	G/P															
					No. of Container(s)	1	1															
					Volume	5g	5g															
					Substance-BULK-EPA	Asbestos TEM																
SAMPLE ANALYSIS 07-X-2043																						
Sample No.	Matrix *	Sample Date	Sample Time																			
J15026	12236	OTHER SOLID	4/17/07	0820	X	X																
J15027	12237	OTHER SOLID	4/17/07	0825	X	X																
J15028	12238	OTHER SOLID	4/17/07	0830	X	X																
J15029	no	OTHER SOLID																				
J15030	4/17/07	OTHER SOLID																				
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix *														
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RDMXX2FD0 Sampling COA - R32100 1000				S=Soil SE=Soil mix SD=Solid SE=Sludge W=Water O=Oil A=Air DS=Decor. Solids DL=Dum. Liquids T=Tissue W=Liq L=Liquid V=Vegetation X=Other										
Mike Stankovich		4/17/07 0915		K.M. Singley		4-17-07																
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time																
K.M. Singley		4-17-07		FED EX																		
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																
LABORATORY SECTION		Received By		Title		Date/Time																
		A. O'Connell				4.18.07 1427																
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time																