

0074383

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 10/30/07
INITIAL/DATE

COMMENTS:

SDG 07-A-6144

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 3718E



10/30/07
Page 1 of 2



SUBMITTED TO:

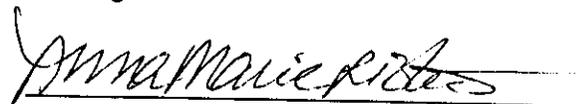
Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354

REFERENCE DATA:

Client Sample No.:	J15W52 through J15W53
P.O. No.:	Not Available
Sample Location:	3718E
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-6144
DCL Sample ID No.:	07-35715 through 07-35716
Sample Receipt Date:	10/26/07
Analysis Date:	10/30/07

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: 3718E
Set ID: 07-A-6144

Client Sample ID:	J15W52	J15W53
DCL Sample ID:	07-35715	07-35716
Macroscopic Examination		
Accepted/Rejected:	Accepted	Accepted
Homogeneity:	Homog.	Homog.
Color:	Grey	Grey
Texture:	Fibrous	Fibrous
Description:	Insulation	Insulation
Analysis:	PLM	PLM
Asbestiform Minerals		
% Chrysotile:		
% Amosite:		
% Crocidolite:		
% Tremolite - Actinolite:		
% Anthophyllite:		
% Total Asbestos:	ND	ND
Other Materials		
% Cellulose:	Trace	Trace
% Fiberglass:	>90 ≤ 100	>90 ≤ 100
% Other Fibers:		
% Resin/Binder:		
% Non Fibrous:	>3 ≤ 5	>3 ≤ 5

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-040-335	Page 1 of 8
Collector Tim Lee	Company Contact Tim Lee	Telephone No. 627-8639	Project Coordinator KESSNER, JH		Price Code	9K	Data Turnaround
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 225 3718E	SAF No. RC-040		7 Days		
Ice Chest No. FED EX BOX	Field Logbook No. EL-1603-2	COA R3718E1000	Method of Shipment Federal Express				
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080027	Bill of Lading/Air Bill No. See OSPC				
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos							
Special Handling and/or Storage		Preservation	None				
		Type of Container	G/P				
		No. of Container(s)	1				
		Volume	5g				
SAMPLE ANALYSIS 07-A-6144			Asbestos-BULK-EPA				
Sample No	Matrix *	Sample Date	Sample Time				
J15W52	35715 OTHER SOLID	10-25-07	0845	X			
J15W53	35710 OTHER SOLID	10-25-07	0850	X			
J15W54	OTHER SOLID	R Lee 10/25/07					
J15W55	OTHER SOLID	R Lee 10/25/07					
J15W56	OTHER SOLID	R Lee 10/25/07					
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time	
T.A. Lee		10-25-07/900		3728 2C		10-25-07/400	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time	
3728 2C		10-25-07 1115		KMSingh		10-25-07 1115	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time	
KMSingh		10-25-07 1500		FED EX			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time	
FedEx						10/26/07/1040	
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				SPECIAL INSTRUCTIONS			
Received By		Title		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00			
				Sampler unavailable to relinquish samples from 3728 Ref # 2C 3728 Custodian removed samples for shipping on 10/25/07.			
Date/Time		Date/Time		Matrix *			
				S=Soil SE=Sediment SO=Solid SI=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue W=Wipe L=Liquid V=Vegetation X=Other			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time	
						10/26/07/1040	
						Date/Time	