

0074682

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

COMPLETE COPY OF DATA PACKAGE TO:

Tim Lee L1-07

KW 11/28/2007
INITIAL/DATE

COMMENTS:

RECEIVED
DEC 06 2007

EDMC

SDG 07-A-6570

SAF-RC-040

Rad only Chem only Rad & Chem

Complete Partial

Sample Location/Waste Site: 323 Bldg



11/27/07
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.:	J15WN2
P.O. No.:	Not Available
Sample Location:	323
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-6570
DCL Sample ID No.:	07-38109
Sample Receipt Date:	11/16/07
Analysis Date:	11/27/07

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
800 280-8071, FAX 415 893-9469

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

Client: Washington Closure Hanford
Location: 323
Set ID: 07-A-6570

Client Sample ID:	J15WN2
DCL Sample ID:	07-38109
Macroscopic Examination	
Accepted/Rejected:	Accepted
Homogeneity:	Homog.
Color:	Grey
Texture:	Fibrous
Description:	Material
Analysis:	PLM
Asbestiform Minerals	
% Chrysotile:	
% Amosite:	
% Crocidolite:	
% Tremolite - Actinolite:	
% Anthophyllite:	
% Total Asbestos:	ND
Other Materials	
% Cellulose:	
% Fiberglass:	>90 ≤ 100
% Other Fibers:	
% Resin/Binder:	
% Non Fibrous:	

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-040-336	Page 2 of 10																																
Collector Mike Stankovich / <i>TIM LEE</i>		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH																																	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location <i>309 323 rd 11/15/07</i>		SAF No. RC-040		Price Code 9K Data Turnaround 7 Days																																	
Ice Chest No. <i>FED EX FEK BOX 7/11/507</i>		Field Logbook No. <i>EL 1518-9 EL 1403-2</i>		COA See below		Method of Shipment Federal Express																																	
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. <i>A080034</i>		Bill of Lading/Air Bill No. See OSPC																																			
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Asbestos & BE MA 11/15/07</i>		Special Handling and/or Storage		<table border="1"> <tr><td>Preservation</td><td>None</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Type of Container</td><td>G/P</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>No. of Container(s)</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Volume</td><td>5g</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>				Preservation	None							Type of Container	G/P							No. of Container(s)	1							Volume	5g						
Preservation	None																																						
Type of Container	G/P																																						
No. of Container(s)	1																																						
Volume	5g																																						
SAMPLE ANALYSIS		<i>07.A-6570</i>		Asbestos-BULK-EPA																																			
Sample No. <i>07</i>	Matrix *	Sample Date	Sample Time																																				
J15WN2 <i>38107</i>	OTHER SOLID	<i>11/15/07</i>	<i>0800</i>	<i>X</i>																																			
J15WN3	OTHER SOLID																																						
J15WN4 <i>MA 11/15/07</i>	OTHER SOLID																																						
J15WN5	OTHER SOLID																																						
J15WN6	OTHER SOLID																																						
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS																																			
Relinquished By/Removed From <i>TALee</i>	Date/Time <i>11-15-07/1030</i>	Received By/Stored In <i>3728 28</i>	Date/Time <i>11-15-07/1030</i>	Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00				Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WJ=Wipe L=Liquid V=Vegetation X=Other																															
Relinquished By/Removed From <i>3728 28</i>	Date/Time <i>11-15-07 1031</i>	Received By/Stored In <i>[Signature]</i>	Date/Time <i>11-15-07 1031</i>	Sampler unavailable to relinquish samples from 3728 Ref # <i>28</i> 3728 Custodian removed samples for shipping on <i>11/15/07</i> <i>1258</i>																																			
Relinquished By/Removed From <i>[Signature]</i>	Date/Time <i>11-15-07 1500</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																																				
LABORATORY SECTION	Received By <i>[Signature]</i>	Title		Date/Time																																			
FINAL SAMPLE DISPOSITION	Disposal Method <i>[Signature]</i>	Disposed By		Date/Time																																			