

SAF-RC-040
300 Area D4 Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

No Distribution Required

KW 3/10/10
INITIAL/DATE

COMMENTS:

SDG DC1003096

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 324 Change Room

RECEIVED
MAR 24 2010
EDMC



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

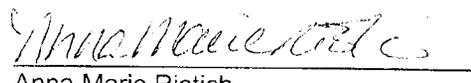
Test Report
Page 1 of 2
3/9/10

REFERENCE DATA:

Client Sample No.: J19L73 through J19L74
P.O. No.: N/A
Sample Location: 324 Change Room
Sample Type: Bulk
Method Reference: EPA-600/R-93/116
ALS Work Order No.: 1003096
ALS Sample ID No.: 1003096-01 through 1003096-02
Sample Receipt Date: 3/4/10
Analysis Date: 3/9/10

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. ALS Laboratory Group 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.

ALS Laboratory Group Environmental Division (Cincinnati) 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.



**ALS Laboratory Group
Polarized Light Microscopy
Asbestos Analytical Report**

Client: Washington Closure Hanford
Location: 324 Change Room

Client Sample ID:	J19L73	J19L74
ALS Sample ID:	1003096-01	1003096-02
Macroscopic Examination		
Accepted/Rejected:	Accepted	Accepted
Homogeneity:	Layered	Layered
	Inseparable	Inseparable
Color:	Grey/Tan	Grey/Tan
Texture:	Crmbly/Fbrs	Crmbly/Fbrs
Description:	Drywall	Drywall
Analysis:	PLM	PLM
Asbestiform Minerals		
% Chrysotile:		
% Amosite:		
% Crocidolite:		
% Tremolite - Actinolite:		
% Anthophyllite:		
% Total Asbestos:	ND	ND
Other Materials		
% Cellulose:	>10 ≤ 20	>10 ≤ 20
% Fiberglass:		
% Other Fibers:		
% Resin/Binder:		
% Non Fibrous:	>70 ≤ 80	>70 ≤ 80

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: N/A.

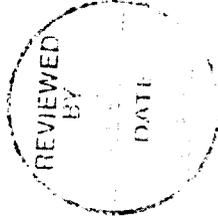

Shawn Smythe
Microscopist

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.

100 3096

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-040-443	Price Code 9K	Data Turnaround 7 Days
Collector FJONS	Company Contact Mike Stankevich	Telephone No. 430-7147	Project Coordinator KISSNER, B			
Project Designation 900 Area DE Waste Characterization Sampling Office Solid	Sampling Location 223 Charley Road		SAT No. RC 040			
Ice Chest No. F-3-3-10	Field Logbook No. 11-1188-17	COA R001MAX 1100	Method of Shipment FedEx			
Shipped To ALST Laboratories - Cincinnati	Onsite Property No. A-1000-330		Bill of Lading Air Bill No. N/A			
<p>POSSIBLE SAMPLE HAZARDS/REMARKS</p> <p>Asbestos</p>						
<p>Special Handling and/or Storage</p> <p>Asbestos</p>						
Sample No.	Matrix	Sample Date	Sample Time	Preservation	Yes	
J19L73	OTHER SOLID	3/30	825	Type of Container	GF	
J19L74	OTHER SOLID	3/30	830	No. of Container(s)	1	
				Volume	30	
					Volume of LELEPA	
SAMPLE ANALYSIS						
CHAIN OF POSSESSION						
Requisitioned By	Received From	Date Time	Signature	Received By	Stored In	Date Time
Requisitioned By	Received From	Date Time	Signature	Received By	Stored In	Date Time
Requisitioned By	Received From	Date Time	Signature	Received By	Stored In	Date Time
Requisitioned By	Received From	Date Time	Signature	Received By	Stored In	Date Time
Requisitioned By	Received From	Date Time	Signature	Received By	Stored In	Date Time
Requisitioned By	Received From	Date Time	Signature	Received By	Stored In	Date Time
LABORATORY SECTION	Received By					Date Time
FINAL SAMPLE DISPOSITION	Disposal Method					Date Time



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