

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

COMPLETE COPY OF DATA PACKAGE TO:

No Distribution Required

KW 3/11/10
INITIAL/DATE

COMMENTS:

SDG DC1003040

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 324/EDL

RECEIVED
MAR 24 2010

EDMC



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

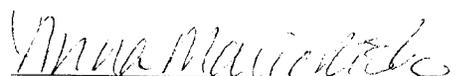
Test Report
Page 1 of 2
3/9/10

REFERENCE DATA:

Client Sample No.: J19L17
P.O. No.: N/A
Sample Location: 324/EDL
Sample Type: Bulk
Method Reference: EPA-600/R-93/116
ALS Work Order No.: DC_1003040
ALS Sample ID No.: 1003040-01
Sample Receipt Date: 3/2/10
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/EDL

Client Sample ID: J19L17
ALS Sample ID: 1003040-01

Macroscopic Examination

Accepted/Rejected: Accepted
Homogeneity: Homog.
Color: Grey/Black
Texture: Fbrs/Resns
Description: Material
Analysis: PLM

Asbestiform Minerals

% Chrysotile:
% Amosite:
% Crocidolite:
% Tremolite - Actinolite:
% Anthophyllite:

% Total Asbestos: ND

Other Materials

% Cellulose:
% Fiberglass:
% Other Fibers: >80 ≤ 90

% Resin/Binder: >5 ≤ 10
% Non Fibrous: >3 ≤ 5

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.

1003040

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-040-441	Price Code 9K	Data turnaround 7 Days
Collector Joe TAYLORS	Company Contact Mike Stankovich	Telephone No. 430-414	Project Coordination KUSSENER, JH			
Project Designation Site Area D4 Waste Characterization Sampling - Other Solid	Sampling Location Q241D1	Field Logbook No. 11-11812	SAM No. RC-040			
Ice Chest No. 7 red box	Field Logbook No. 11-11812	COV RDNVNA0306	Method of Shipment Trays			
Shipped To US Laboratories - Cincinnati	Offsite Property No. 11-11812	Bill of Lading Air Bill No. NCC0306				
POSSIBLE SAMPLE HAZARDS/REMARKS						
Isotopes						
Special Handling and/or Storage						
None						
Sample No.	Matrix	Sample Date	Sample Time	Preservation	No.	
JUL 17	OTHER SOLID	3-1-10	815	None	01	X
SAMPLE ANALYSIS						
Alcal BULK EPA						
CHAIN OF POSSESSION						
Relinquished By: Joe Taylors	Removed From: 3-1-10	Date Time: 815	Received By: Mike Stankovich	Date Time: 815	Matrix	
Relinquished By: Mike Stankovich	Removed From: 3/1/10	Date Time: 1145	Received By: [Signature]	Date Time: Feb 12 X		
Relinquished By: [Signature]	Removed From: [Signature]	Date Time: [Signature]	Received By: [Signature]	Date Time: [Signature]		
Relinquished By: [Signature]	Removed From: [Signature]	Date Time: [Signature]	Received By: [Signature]	Date Time: [Signature]		
Relinquished By: [Signature]	Removed From: [Signature]	Date Time: [Signature]	Received By: [Signature]	Date Time: [Signature]		
Relinquished By: [Signature]	Removed From: [Signature]	Date Time: [Signature]	Received By: [Signature]	Date Time: [Signature]		
LABORATORY SECTION	Received By: [Signature]			Date Time: [Signature]		
FINAL SAMPLE DISPOSITION	Disposal Method: [Signature]			Date Time: [Signature]		

