

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

COMPLETE COPY OF DATA PACKAGE TO:

Barry Lawrence L1-07

KW 12/16/08
INITIAL/DATE

COMMENTS:

SDG 08-A-6703

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 324 Building

RECEIVED
DEC 22 2008
EDMC



12/4/08
Page 1 of 2

SUBMITTED TO:

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

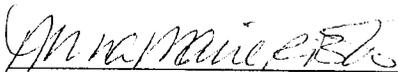


REFERENCE DATA:

Client Sample No.: J17WM8 through J17WM9
P.O. No.: Not Available
Sample Location: Building 324
Sample Type: Bulk
Method Reference: EPA-600/R-93/116
DCL Set ID No.: 08-A-6703
DCL Sample ID No.: 08-37686 through 08-37687
Sample Receipt Date: 12/3/08
Analysis Date: 12/4/08

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

Client: Washington Closure Hanford
Location: Building 324
Set ID: 08-A-6703

Client Sample ID:	J17WM8	J17WM9
DCL Sample ID:	08-37686	08-37687
Macroscopic Examination		
Accepted/Rejected:	Accepted	Accepted
Homogeneity:	Homog.	Homog.
Color:	Grey	Grey
Texture:	Crmby/Fbrs	Fibrous
Description:	Material	Insulation
Analysis:	PLM	PLM
Asbestiform Minerals		
% Chrysotile:		
% Amosite:		
% Crocidolite:		
% Tremolite - Actinolite:		
% Anthophyllite:		
% Total Asbestos:	ND	ND
Other Materials		
% Cellulose:	>20 ≤ 30	
% Fiberglass:	>3 ≤ 5	>90 ≤ 100
% Other Fibers:		
% Resin/Binder:		
% Non Fibrous:	>60 ≤ 70	

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.

08 - A - 6703

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-040-370	Page 1 of 1
Collector Joe INIXION S	Company Contact JOAN KESSNER	Telephone No. 375-4688	Project Coordinator KESSNER, JH	Price Code 9K	Data Turnaround 7 Days
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli	Sampling Location BUILDING 324	COA RD4MXX2F00	SAF No. RC-040	Method of Shipment Fed Ex	
Ice Chest No. Fed Ex Box	Field Logbook No. EL-1518-10	Offsite Property No. N/A	Bill of Lading/Air Bill No. FedEx	NO 12/1/08 796154473056	
Shipped To DataChem Laboratories - Cincinnati	POSSIBLE SAMPLE HAZARDS/REMARKS POSSIBLE ASBESTOS (ACM)				
Special Handling and/or Storage DOUBLE BAG	Preservation None	Type of Container G/P	No. of Container(s) 1	Volume 5g	Asbestos- BULK-EPA
SAMPLE ANALYSIS					
Sample No. 08-	Matrix *	Sample Date	Sample Time		
J17WM8 37606	OTHER SOLID	12-2-08	1200	X	
J17WM9 37607	OTHER SOLID	12-2-08	1225	X	
J17WM0 BUL	OTHER-SOLID	12-3-08			
J17WM1 BUL	OTHER-SOLID	12-3-08			
J17WM2 BUL	OTHER-SOLID	12-3-08			
CHAIN OF POSSESSION					
Relinquished By/Removed From	Date/Time	12-50	Received By/Stored In	Date/Time	1250
Joe Inixion S	12-2-08		Blawie	12-2-08	
Relinquished By/Removed From	Date/Time	1300	Received By/Stored In	Date/Time	1300
Blawie	12-2-08		1060/26	12-2-08	
Relinquished By/Removed From	Date/Time	1400	Received By/Stored In	Date/Time	1400
Ure Gonzalez	12/2/08		Ure Gonzalez	12/2/08	
Relinquished By/Removed From	Date/Time	1405	Received By/Stored In	Date/Time	1405
Ure Gonzalez	12/2/08		FED EX		
Relinquished By/Removed From	Date/Time	121300	Received By/Stored In	Date/Time	
Ure Gonzalez	12/2/08		Ure Gonzalez	12/2/08	
Relinquished By/Removed From	Date/Time	121300	Received By/Stored In	Date/Time	
Ure Gonzalez	12/2/08		Ure Gonzalez	12/2/08	

SPECIAL INSTRUCTIONS

Matrix *

- S=Soil
- SE=Settlement
- SO=Solid
- SI=Sludge
- W = Water
- O=Oil
- A=Air
- DS=Drum Solids
- DL=Drum Liquids
- T=Tissue
- WI=Wire
- L=Liquid
- V=Vegetation
- X=Other

8012/08

LABORATORY SECTION

Received By

Disposal Method

Disposed By

Title

Date/Time

FINAL SAMPLE DISPOSITION

Disposal Method

Disposed By

Date/Time

WCH-EE-011