

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 9/17/07
INITIAL/DATE

COMMENTS:

SDG 07-A-5164

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 384 Building

RECEIVED
SEP 27 2007

EDMC



9/13/07
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.:	J15JB7 through J15JB9
P.O. No.:	Not Available
Sample Location:	384 Building
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-5164
DCL Sample ID No.:	07-29864 through 07-29866
Sample Receipt Date:	9/13/07
Analysis Date:	9/13/07

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


for 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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CINCINNATI, OHIO 45242-3706
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WEST COAST OFFICE
11 SANTA YORMA COURT
NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-8469

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

Client: Washington Closure Hanford
Location: 384 Building
Set ID: 07-A-5164

Client Sample ID:	J15JB7	J15JB8	J15JB9
DCL Sample ID:	07-29864	07-29865	07-29866
Macroscopic Examination			
Accepted/Rejected:	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Layered	Layered
Color:	Tan	Inseparable	Inseparable
Texture:	Crmby/Fbrs	Grey/Yellow	Grey/Yellow
Description:	Material	Crmby/Fbrs	Crmby/Fbrs
Analysis:	PLM	Material	Material
	PLM	PLM	PLM
Asbestiform Minerals			
% Chrysotile:			
% Amosite:			
% Crocidolite:			
% Tremolite - Actinolite:			
% Anthophyllite:			
% Total Asbestos:	ND	ND	ND
Other Materials			
% Cellulose:			
% Fiberglass:	>20 ≤ 30	>30 ≤ 40	>30 ≤ 40
% Other Fibers:			
% Resin/Binder:			
% Non Fibrous:	>60 ≤ 70	>50 ≤ 60	>50 ≤ 60

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

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Collector
Mike Stankovich

Project Designation
300 Area D&D Waste Characterization Sampling - Other Soli

Company Contact
Mike Stankovich Telephone No.
531-7620

Sampling Location
384 Building

Project Coordinator
KESSNER, JH

SAF No.
RC-040

Price Code 9K Data Turnaround
1 Days
No 9/12/07

Ice Chest No.
FED EX BOX

Shipped To
DataChem Laboratories - Cincinnati

Field Logbook No.
EL-1518-8

COA
See below

Offsite Property No.

Method of Shipment
Federal Express

Bill of Lading/Air Bill No.
See OSPC

POSSIBLE SAMPLE HAZARDS/REMARKS
Asbestos

Special Handling and/or Storage
07-A-5164

A070419

Preservation	None																		
Type of Container	G/P																		
No. of Container(s)	1																		
Volume	5g																		
	Asbestos-BULK-EPA																		

SAMPLE ANALYSIS

Sample No.	Matrix *	Sample Date	Sample Time																
J15JB7	29864 OTHER SOLID	9-12-07	1210	X															
J15JB8	29865 OTHER SOLID	9/12/07	1215	X															
J15JB9	29866 OTHER SOLID	9/12/07	1220	X															

CHAIN OF POSSESSION

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
MT Stankovich	1245 9/12/07	3728/25	9/12/07 1245
3728/2C	9-12-07 1345	MT Stankovich	9/12/07 1345
MT Stankovich	UCH 9/12/07 1500	FED EX	9/13/07 1018
KESSNER			

SPECIAL INSTRUCTIONS
Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00
Sampling COA - R38400 1000

Sampler unavailable to relinquish samples from 3728 Ref # 2
3728 Custodian removed samples for shipping on 9/12/07.

Matrix *
S=Soil
SE=Sediment
SO=Solid
SL=Sludge
W=Water
O=Oil
A=Air
DS=Drawn Solids
DL=Drawn Liquids
T=Time
WI=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION Received By [Signature] 9/13/07 Title 1018 Date/Time

FINAL SAMPLE DISPOSITION Disposal Method [Signature] 9/13/07 1018 Disposed By Date/Time