

0074197

SAF-RC-033
100-F Remaining Sites Burial Grounds -
Other Solid Quick Turn
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Randy Coffman X9-07 KW 10/16/07
INITIAL/DATE

Jeanette Duncan H4-21 KW 10/16/07
INITIAL/DATE

COMMENTS:

SDG: 07-A-5793 SAF-RC-033

Rad only Chem only Rad & Chem

Complete Partial

RECEIVED
OCT 24 2007
EDMC

Waste Site: 118-F-2 Vessel coating residue (suspect asbestos)



10/11/07
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.: J15PT6
P.O. No.: Not Available
Sample Location: 118-F-2/Vessel coating residue (suspect asbestos)
Sample Type: Bulk
Method Reference: EPA-600/R-93/116
DCL Set ID No.: 07-A-5793
DCL Sample ID No.: 07-33647
Sample Receipt Date: 10/11/07
Analysis Date: 10/11/07

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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10/11/07

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

Client: Washington Closure Hanford
Location: 118-F-2/Vessel coating residue (suspect asbestos)
Set ID: 07-A-5793

Client Sample ID:	J15PT6
DCL Sample ID:	07-33647
Macroscopic Examination	
Accepted/Rejected:	Accepted
Homogeneity:	Homog.
Color:	Tan
Texture:	Fibrous
Description:	Material
Analysis:	PLM
Asbestiform Minerals	
% Chrysotile:	
% Amosite:	
% Crocidolite:	
% Tremolite - Actinolite:	
% Anthophyllite:	
% Total Asbestos:	ND
Other Materials	
% Cellulose:	
% Fiberglass:	>80 ≤ 90
% Other Fibers:	
% Resin/Binder:	
% Non Fibrous:	>5 ≤ 10

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-033-029	Page 1 of 1	
Collector COFFMAN	Company Contact R T Coffman	Telephone No. 528-6409		Project Coordinator KESSNER, JH	Price Code 3C	Data Turnaround 2 Day		
Project Designation 100-F Remaining Sites Burial Grounds - Other Solid Quick T		Sampling Location 118-F-2/Vessel coating residue (suspect asbestos)		SAF No. RC-033				
Ice Chest No. FED EX BOX	Field Logbook No. EFL-1174-4	COA R118F22000		Method of Shipment Fed Ex				
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080023		Bill of Lading/Air Bill No. EL05PC				
POSSIBLE SAMPLE HAZARDS/REMARKS NA		Preservation	None					
Special Handling and/or Storage NA		Type of Container	Poly Bag					
		No. of Container(s)	1					
		Volume	60mL					
			Asbestos-BULK-EPA					
SAMPLE ANALYSIS 07-A-5793								
Sample No.	Matrix *	Sample Date	Sample Time					
J15PT6	OTHER SOLID	10/9/07	1015	X		07-33647		
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				
Relinquished By/Removed From		Sign/Print Names		<p>SAMPLER UNAVAILABLE TO RELINQUISH SAMPLES FROM 3728 REF # 2C. 3728 CUSTODIAN REMOVED SAMPLES FOR SHIPPING ON 10/10/07.</p>				Matrix *
Date/Time 1225		Received By/Stored In						
RT Coffman 10/9/07		Ref # 2C 3728 10/9/07						
Date/Time 0830		Received By/Stored In						
Ref # 2C 3728 10-10-07		KMS Single 10-10-07						
Relinquished By/Removed From		Sign/Print Names		<p>1009</p>				<ul style="list-style-type: none"> 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
Date/Time WCH		Received By/Stored In						
KMS Single 10-10-07 1500		FED EX						
Date/Time		Received By/Stored In						
FED EX		10/11/07 1009						
Relinquished By/Removed From		Sign/Print Names		<p>1004</p>				
Date/Time		Received By/Stored In						
Date/Time		Received By/Stored In						
Date/Time		Received By/Stored In						
Date/Time		Received By/Stored In						
LABORATORY SECTION	Received By	Title		Date/Time				
		10/11/07 1004						
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By		Date/Time				