

SAF-RC-073
100-D/DR Burial Grounds & Remaining
Sites – Other Solid Quick Turn
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Jeanette Duncan

H4-21

KW 10/10/07
INITIAL/DATE

COMMENTS:

SDG 07-A-5324

SAF-RC-073

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site: 126-DR-1

RECEIVED
OCT 17 2007

EDMC



10/1/07
Page 1 of 2

SUBMITTED TO:

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

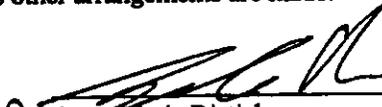


REFERENCE DATA:

Client Sample No.:	J15NX4
P.O. No.:	Not Available
Sample Location:	126- DR-1
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-5324
DCL Sample ID No.:	07-30849
Sample Receipt Date:	9/20/07
Analysis Date:	10/1/07

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

Client: Washington Closure Hanford
Location: 126- DR-1
Set ID: 07-A-5324

Client Sample ID:	J15NX4
DCL Sample ID:	07-30849
Macroscopic Examination	
Accepted/Rejected:	Accepted
Homogeneity:	Homog.
Color:	Grey
Texture:	Crumbly
Description:	Material
Analysis:	PLM
Asbestiform Minerals	
% Chrysotile:	
% Amosite:	
% Crocidolite:	
% Tremolite - Actinolite:	
% Anthophyllite:	
% Total Asbestos:	ND
Other Materials	
% Cellulose:	
% Fiberglass:	
% Other Fibers:	
% Resin/Binder:	
% Non Fibrous:	>90 ≤ 100

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-073-018		Page 1 of 1		
Collector D.W.Shea/SEC subcontractor		Company Contact D.W.Shea		Telephone No. 521-6014		Project Coordinator KESSNER, JH		Price Code 9K		
Project Designation 100-D/DR Burial Grounds & Remaining Sites - Other Solid		Sampling Location 126-DR-71 DWS 9/19/07		SAF No. RC-073		Data Turnaround 15 days				
Ice Chest No. 4GV Fiberboard Box		Field Logbook No. EL-1607-2 09/19/07		COA R26DR12600		Method of Shipment -Company-Vehicle Fed Ex				
Shipped To Data Chem -Waste Sampling & Characterization-		Offsite Property No. See HMSR		Bill of Lading/Air Bill No. See HMSR						
POSSIBLE SAMPLE HAZARDS/REMARKS high pH Corrosive Special Handling and/or Storage None		Preservation		None						
		Type of Container		G/P						
		No. of Container(s)		1						
		Volume		50g						
SAMPLE ANALYSIS				Asbestos-BULK-EPA						
07.A-5324										
Sample No.	Matrix *	Sample Date	Sample Time							
J15NX4 07-30849	OTHER SOLID	7/26/07	1052	✓						
CHAIN OF POSSESSION		Sign/Print Names				SPECIAL INSTRUCTIONS				
Relinquished By/Removed From DWShea DWSHEA	Date/Time 9/19/07 0950	Received By/Stored In Fed Ex	Date/Time						Matrix * S=Soil SE=Soil/Sec SO=Solid SH=Sludge W=Water O=Oil A=Air DS=Dross Solids DL=Dross Liquids T=Tissue W1=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From Fed Ex	Date/Time	Received By/Stored In JW	Date/Time 9/20/07 1046							
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time							
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time							
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time							
LABORATORY SECTION	Received By JW	Date/Time 9/20/07		Title 1046					Date/Time	
FINAL SAMPLE DISPOSITION	Disposal Method			Disposed By					Date/Time	