

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

COMPLETE COPY OF DATA PACKAGE TO:

Renee Nielson	L1-04	<u>JM 3/9/06</u> INITIAL/DATE
Amy Hood	L1-07	<u>JM 3/9/06</u> INITIAL/DATE
Jeanette Duncan	H9-02	<u>JM 3/9/06</u> INITIAL/DATE

COMMENTS:

SDG 06-A-0902 SAF-RC-040

Rad only X Chem only Rad & Chem
X Complete Partial

Sample Location/Waste Site: 333 Asbestos Sampling

RECEIVED
MAR 21 2006
EDMC



3/8/06
Page 1 of 3

SUBMITTED TO:

Joan Kessner
Washington Closure Hanford
3190 George Washington Way, MSIN H9-02
Richland, WA 99352

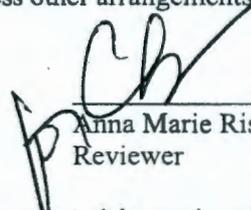


REFERENCE DATA:

Client Sample No.:	J11833 through J11839
P.O. No.:	Not Available
Sample Location:	333 Asbestos Sampling
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	06-A-0902
DCL Sample ID No.:	06-05243 through 06-05249
Sample Receipt Date:	3/3/06
Analysis Date:	3/8/06

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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RC-040

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-037	Page 1 of 4	
Collector Bill Hudson		Company Contact Scot Adams		Telephone No. 372-9869		Project Coordinator KESSNER, JH	Price Code 9K	Data Turnaround 7 Days
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 333 Asbestos Sampling		SAF No. RC-040		Air Quality <input type="checkbox"/>		
Ice Chest No. NA		Field Logbook No. EL-1516-8		COA R333001000		Method of Shipment Hand deliver - Govt. vehicle		
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A0600118		Bill of Lading/Air Bill No. See OSPC				
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Be, Lead, Ca, Asbestos</i>				Preservation None				
Special Handling and/or Storage <i>None</i>				Type of Container G/P				
				No. of Container(s) 1				
				Volume 5g				
				Asbestos- BULK-EPA				
SAMPLE ANALYSIS de-A-0902								
Sample No.	Matrix *	Sample Date	Sample Time					
J11833	OTHER SOLID	3/1/06	1047	X				
J11834	OTHER SOLID	3/1/06	1055	X				
J11835	OTHER SOLID	3/1/06	1105	X				
J11836	OTHER SOLID	3/1/06	1110	X				
J11837	OTHER SOLID	3/1/06	1115	X				
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix *
Relinquished By/Removed From Bill Hudson		Date/Time 1300 3/1/06		Received By/Stored In 3728#2c		Date/Time 3/1/06 1300		Personnel not available to Relinquish samples from 3728 Ref # 2c on 3/2/06 S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue W/L=W/pc L=Liquid V=Vegetation X=Other
Relinquished By/Removed From 3728/2c		Date/Time 3-2-06 0940		Received By/Stored In RZ Steffler R.Z. Steffler		Date/Time 0940 3-2-06		
Relinquished By/Removed From RZ Steffler R.Z. Steffler		Date/Time 1600 3-2-06		Received By/Stored In Fed Ex		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		
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		
LABORATORY SECTION	Received By M...			Title 3/3/06 10:20			Date/Time	
FINAL SAMPLE DISPOSITION	Disposal Method			Disposed By			Date/Time	

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-037	Page 2 of 4
Collector Bill Hudson		Company Contact Scot Adams		Telephone No. 372-9869		Project Coordinator KESSNER, JH	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 333 Asbestos Sampling		SAF No. RC-040		Price Code 9K Data Turnaround 7 Days	
Ice Chest No. NA		Field Logbook No. EL-1516-8		60A R333001000		Method of Shipment Hand deliver - Govt. vehicle	
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A060018		Bill of Lading/Air Bill No. See 05PC			
POSSIBLE SAMPLE HAZARDS/REMARKS Be, Lead, Ca, Asbestos				Preservation	None		
Special Handling and/or Storage None				Type of Container	G/P		
				No. of Container(s)	1		
				Volume	5g		
				Asbestos-BULK-EPA			
SAMPLE ANALYSIS 06-A-0902							
Sample No.	Matrix *	Sample Date	Sample Time				
J11838	OTHER SOLID	3/1/06	1120	X			
J11839	OTHER SOLID	3/1/06	1130	X			
J11840	OTHER SOLID						
J11841	OTHER SOLID						
J11842	OTHER SOLID						
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS	
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time	Personnel not available to relinquish samples from 3728 Ref # 2C on 3/2/06	
B Hudson		3/1/06 1300	3728 2C		3/1/06 1300		
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time		
3728 / 2C		3-2-06 0940	RZ Steffler R. J. Steffler		3-2-06 0940		
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time		
RZ Steffler R. J. Steffler		3-2-06 1600	Fed Ex				
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		Title		Date/Time	
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time	

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

Client: Washington Closure Hanford
Location: 333 Asbestos Sampling
Set ID: 06-A-0902

Client Sample ID:	J11833	J11834	J11835	J11836	J11837
DCL Sample ID:	06-05243	06-05244	06-05245	06-05246	06-05247
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Layered Inseparable	Layered Inseparable	Homog.	Layered Inseparable
Color:	Grey	Yellow/Grey	Grey/Tan/Black	Grey	Yellow/Grey
Texture:	Crmby/Fbrs	Fibrous	Crmby/Fbrs/Resn	Crmby/Fbrs	Fibrous
Description:	Material	Insulation	Material	Material	Insulation
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
Other Materials					
% Cellulose:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10
% Fiberglass:	>20 ≤ 30	>80 ≤ 90		>20 ≤ 30	>80 ≤ 90
% Other Fibers:					
% Resin/Binder:			>3 ≤ 5		
% Non Fibrous:	>50 ≤ 60	>1 ≤ 3	>80 ≤ 90	>50 ≤ 60	>1 ≤ 3

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.

3/8/06

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

Client: Washington Closure Hanford
Location: 333 Asbestos Sampling
Set ID: 06-A-0902

Client Sample ID:	J11838	J11839
DCL Sample ID:	06-05248	06-05249
Macroscopic Examination		
Accepted/Rejected:	Accepted	Accepted
Homogeneity:	Layered	Layered
	Inseparable	Inseparable
Color:	Yellow/Grey	Yellow/Grey
Texture:	Fibrous	Fibrous
Description:	Insulation	Insulation
Analysis:	PLM	PLM
Asbestiform Minerals		
% Chrysotile:		
% Amosite:		
% Crocidolite:		
% Tremolite - Actinolite:		
% Anthophyllite:		
% Total Asbestos:	ND	ND
Other Materials		
% Cellulose:	>5 ≤ 10	>5 ≤ 10
% Fiberglass:	>80 ≤ 90	>80 ≤ 90
% Other Fibers:		
% Resin/Binder:		
% Non Fibrous:	>1 ≤ 3	>1 ≤ 3

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.