

**SAF-RC-006**  
**100-N Ancillary Facilities & 190-DR**  
**Other Solid Sampling for ERDF Waste**  
**Designation**  
**FINAL DATA PACKAGE**

**COMPLETE COPY OF DATA PACKAGE TO:**

James Crocker X5-50

KW 2/6/2008  
INITIAL/DATE

Amy Hood X5-50

KW 2/6/2008  
INITIAL/DATE

Tom Edmundson X5-50

KW 2/6/2008  
INITIAL/DATE

**RECEIVED**  
 FEB 26 2008  
**EDMC**

**COMMENTS:****SDG 08-A-0476****SAF-RC-006**

Rad only

 Chem only

Rad &amp; Chem

 Complete

Partial

**Waste Site(s): 184 NA PACM Stack**



**SUBMITTED TO:**

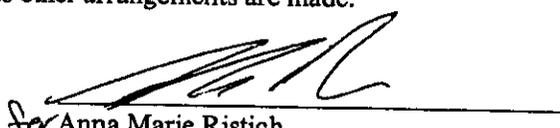
Joan Kessner  
Washington Closure Hanford  
2620 Fermi Avenue, MSIN H4-21  
Richland, WA 99354

**REFERENCE DATA:**

Client Sample No.:	J169C4 through J169C6
P.O. No.:	Not Available
Sample Location:	184 NA PACM Stack
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	08-A-0476
DCL Sample ID No.:	08-02570 through 08-02572
Sample Receipt Date:	2/5/08
Analysis Date:	2/6/08

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

  
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.

CINCINNATI OFFICE  
4388 GLENDALE-MILFORD ROAD  
CINCINNATI, OHIO 45242-3708  
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE  
11 SANTA YORMA COURT  
NOVATO, CALIFORNIA 94945  
800 280-8071, FAX 415 893-9469

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

Client: Washington Closure Hanford  
Location: 184 NA PACM Stack  
Set ID: 08-A-0476

Client Sample ID:	J169C4	J169C5	J169C6
DCL Sample ID:	08-02570	08-02571	08-02572
<b>Macroscopic Examination</b>			
Accepted/Rejected:	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.
Color:	Brown	Brown	Brown
Texture:	Crumbly	Crumbly	Crumbly
Description:	Material	Material	Material
Analysis:	PLM	PLM	PLM
<b>Asbestiform Minerals</b>			
% Chrysotile:			
% Amosite:			
% Crocidolite:			
% Tremolite - Actinolite:			
% Anthophyllite:			
<b>% Total Asbestos:</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>
<b>Other Materials</b>			
% Cellulose:			
% Fiberglass:			
% Other Fibers:			
% Resin/Binder:			
<b>% Non Fibrous:</b>	<b>&gt;90 ≤ 100</b>	<b>&gt;90 ≤ 100</b>	<b>&gt;90 ≤ 100</b>

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.

<b>Washington Closure Hanford</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				RC-006-159	Page 1 of 1
Collector Amy Hood	Company Contact Amy Hood	Telephone No. 373-6621	Project Coordinator KESSNER, JH	Price Code 9K	Data Turnaround <b>7 Days</b> <b>5 Day</b> <del>1.31.08</del>		
Project Designation 100-N Ancillary Facilities & 190-DR Other Solid Sampling f	Sampling Location 184 NA PACM Stack	Field Logbook No. EL-1516-12	COA RD4MXX2F00	SAF No. RC-006			
Ice Chest No. <b>FED EX BOX (LARGE)</b>	Offsite Property No. <b>A080127</b>	Method of Shipment Fed Ex		Bill of Lading/Air Bill No. SEE OSPC			
Shipped To DataChem Laboratories - Cincinnati	POSSIBLE SAMPLE HAZARDS/REMARKS <b>N/A</b> <b>low Rad, PACM</b>						
Special Handling and/or Storage <b>N/A</b>	Preservation	None					
	Type of Container	G/P					
	No. of Container(s)	1					
	Volume	5g					
SAMPLE ANALYSIS <b>08-A-047.6</b>		Asbestos-BULK-EPA					
Sample No. <b>02570</b>	Matrix *	Sample Date	Sample Time				
J169C4	OTHER SOLID	1-31-08	0959	✓			
J169C5	OTHER SOLID	1-31-08	1005	✓			
J169C6	OTHER SOLID	1-31-08	1015	✓			
<b>CHAIN OF POSSESSION</b>		<b>Sign/Print Names</b>		<b>SPECIAL INSTRUCTIONS</b>			<b>Matrix *</b>
Relinquished By/Removed From <i>AMAT...</i>	Date/Time 1-31-08	Received By/Stored In <i>3728 3A</i>	Date/Time 1-31-08 1630	Potential ACM  samples from 3728 Ref # <i>3A</i> Custodian removed samples for shipping on <i>2-4-08</i> Sampler unavailable to relinquish			S=Soil SE=Sediment SO=Solid Sl=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Trace Wt=Wipe L=Liquid V=Vegetation X=Other
Relinquished By/Removed From <i>3728/3A</i>	Date/Time 2-4-08 0831	Received By/Stored In <i>AM...</i>	Date/Time 2-4-08 0831				
Relinquished By/Removed From <i>W...</i>	Date/Time 2-4-08 1500	Received By/Stored In <i>FED EX</i>	Date/Time				
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time 2-4-08 1330				
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			

WCH-EE-011

*2-4-08*