

**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:**

Dave Encke	X5-50	<u>    </u> NB 1/17/06 <u>    </u> INITIAL/DATE
Amy Hood	L1-06	<u>    </u> NB 1/17/06 <u>    </u> INITIAL/DATE
Jeanette Duncan	H9-02	<u>    </u> NB 1/17/06 <u>    </u> INITIAL/DATE

**COMMENTS:**

SDG	<u>06-A-0056</u>	SAF-RC-006
Rad only	<input checked="" type="checkbox"/> Chem only	Rad & Chem
	<input checked="" type="checkbox"/> Complete	Partial

**Waste Site: 1705-N Exterior Asbestos**

**RECEIVED**  
FEB 07 2006  
**EDMC**



**SUBMITTED TO:**

Joan Kessner  
Washington Closure Hanford  
3190 George Washington Way, MSIN H9-02  
Richland, WA 99354

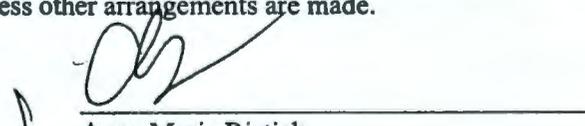


**REFERENCE DATA:**

Client Sample No.: J10WC9 through J10WD1  
P.O. No.: Not Available  
Sample Location: 1705-N Exterior  
Sample Type: Bulk  
Method Reference: EPA-600/R-93/116  
DCL Set ID No.: 06-A-0056  
DCL Sample ID No.: 06-00336 through 06-00338  
Sample Receipt Date: 1/6/06  
Analysis Date: 1/13/06

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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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: 1705-N Exterior  
Set ID: 06-A-0056

Client Sample ID:	J10WC9	J10WD0	J10WD1
DCL Sample ID:	06-00336	06-00337	06-00338
<b>Macroscopic Examination</b>			
Accepted/Rejected:	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered
	Inseparable	Inseparable	Inseparable
Color:	Yellow/Grey	Yellow/Grey	Yellow/Grey
Texture:	Fibrous	Fibrous	Spngy/Rbbry
Description:	Insulation	Insulation	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:	>5 ≤ 10	>5 ≤ 10	
% Fiberglass:	>80 ≤ 90	>80 ≤ 90	
% Other Fibers:			
% Resin/Binder:			>5 ≤ 10
% Non Fibrous:	>1 ≤ 3	>1 ≤ 3	>80 ≤ 90

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-006-040		Page 1 of 1		
Collector Amy Hood		Company Contact James Crocker		Telephone No. 376-4058		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days		
Project Designation 100-N Ancillary Facilities & 190-DR Other Solid Sampling f		Sampling Location 1705-N Exterior Asbestos			SAF No. RC-006		Air Quality <input type="checkbox"/>			
Ice Chest No. NA		Field Logbook No. EL-1516-8		COA R1313N1000		Method of Shipment Fed Ex				
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. NA			Bill of Lading/Air Bill No. 8534 1811 7463					
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos		Preservation		None						
Special Handling and/or Storage None		Type of Container		G/P						
		No. of Container(s)		1						
		Volume		5g						
SAMPLE ANALYSIS		Asbestos-BULK-EPA								
06-A-0056										
Sample No.	Matrix *	Sample Date	Sample Time							
J10WC9 00336	OTHER SOLID	1/4/06	1235	Y	- Left	Straight Run				
J10WD0 00337	OTHER SOLID	1/4/06	1240	Y	- Right	Straight Run				
J10WD1 00338	OTHER SOLID	1/4/06	1249	Y	- Roof					
CHAIN OF POSSESSION		Sign/Print Names			SPECIAL INSTRUCTIONS					Matrix *
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time							S=Soil SE=Sediment SO=Solid SL=Sludge W = Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Time WI=Wipe L=Liquid V=Vegetation X=Other
Attard transfer	1/4/06 1520	3728 3C	1/4/06 1520							
3728 3C	1-5-06 1015	R2 Steffler R.P. Steffler	1-5-06 1015							
R2 Steffler R.P. Steffler	1-5-06 1030	Fed Ex								
Fed Ex	1/6/06 1004	Sh...	1/6/06 1004							
LABORATORY SECTION		Received By		Title		Date/Time				
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By				Date/Time		