

**SAF-RC-030**  
**Remaining Sites Confirmation Sampling -**  
**Other Solid**  
**FINAL DATA PACKAGE**

**COMPLETE COPY OF DATA PACKAGE TO:**

Kathy Wendt H4-21

KW 10/22/08  
INITIAL/DATE

**COMMENTS:**

**SDG 08-A-5852**

**SAF-RC-030**

Rad only

Chem only

Rad & Chem

Complete

Partial

**Waste Site: 100-H-28:2**

**RECEIVED**  
NOV 03 2008  
**EDMC**



10/21/08  
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.: J17R70  
P.O. No.: Not Available  
Sample Location: 100 H-28:2  
Sample Type: Bulk  
Method Reference: EPA-600/R-93/116  
DCL Set ID No.: 08-A-5852  
DCL Sample ID No.: 08-32676  
Sample Receipt Date: 10/21/08  
Analysis Date: 10/21/08

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

  
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 45242-3706  
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE  
11 SANTA YORMA COURT  
NOVATO, CALIFORNIA 94945  
800 280-8071, FAX 415 893-9489

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

Client: Washington Closure Hanford  
Location: 100 H-28:2  
Set ID: 08-A-5852

Client Sample ID:	J17R70
DCL Sample ID:	08-32676
<b>Macroscopic Examination</b>	
Accepted/Rejected:	Accepted
Homogeneity:	Homog.
Color:	Grey
Texture:	Fibrous
Description:	Material
Analysis:	PLM
<b>Asbestiform Minerals</b>	
% Chrysotile:	>40 ≤ 50
% Amosite:	
% Crocidolite:	
% Tremolite - Actinolite:	
% Anthophyllite:	
<b>% Total Asbestos:</b>	<b>&gt;40 ≤ 50</b>
<b>Other Materials</b>	
% Cellulose:	
% Fiberglass:	
% Other Fibers:	>30 ≤ 40
% 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.

08-A-5852

<b>Washington Closure Hanford</b>		<b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b>				RC-030-108	Page 1 of 1														
Collector Hudson	Company Contact Matt Perrott	Telephone No. 372-9088	Project Coordinator KESSNER, JH		Price Code 9C	Data Turnaround <b>24 Hours</b>															
Project Designation Remaining Sites Confirmation Sampling - Other Solid		Sampling Location 160A-28'2		SAF No. RC-030																	
Ice Chest No. NA - FED EX BOX	Field Logbook No. EL-1601-2	COA CO0428A000	Method of Shipment FED EX																		
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. NA	Bill of Lading/Air Bill No. 7901 1526 5234																		
<b>POSSIBLE SAMPLE HAZARDS/REMARKS</b>  <b>Special Handling and/or Storage</b>				Preservation	None																
				Type of Container	Whirl Pack																
				No. of Container(s)	1																
				Volume	5g																
<b>SAMPLE ANALYSIS</b>				Asbestos-BULK-EPA																	
Sample No. 03 -	Matrix *	Sample Date	Sample Time																		
J17R70 32676	OTHER SOLID	10/16/08	0815	X																	
<del>J17R71</del>	OTHER SOLID																				
<del>J17R72</del>	OTHER SOLID																				
<del>J17R73</del>	OTHER SOLID																				
<del>J17R74</del> 160A-28'2	OTHER SOLID																				
<b>CHAIN OF POSSESSION</b>				<b>Sign/Print Names</b>				<b>SPECIAL INSTRUCTIONS</b>						<b>Matrix *</b>							
Relinquished By/Removed From Bill Hudson		Date/Time 10/16/08		Received By/Stored In Bill Hudson		Date/Time 10/20/08		<p>Sampler unavailable to remove samples from controlled storage. Shipper removed samples from storage location taking custody of samples for shipment to lab.</p>						<ul style="list-style-type: none"> <li>S=Soil</li> <li>SE=Sediment</li> <li>SO=Solid</li> <li>Sl=Sludge</li> <li>W=Water</li> <li>O=Oil</li> <li>A=Air</li> <li>DS=Drum Solids</li> <li>DL=Drum Liquids</li> <li>T=Tissue</li> <li>WJ=Wipe</li> <li>L=Liquid</li> <li>V=Vegetation</li> <li>X=Other</li> </ul>							
1000 3C / J.E. Bembel		0900 10-20-08		J.E. Bembel		0900 10-20-08															
J.E. Bembel		1000 10-20-08		FED EX																	
Steve Wilcox		10/21/08 10:10																			
LABORATORY SECTION		Received By Steve Wilcox		Title								Date/Time 10/21/08 10:10									
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By						Date/Time											