

0059867

SAF-B03-017
Remaining Sites Confirmation
Sampling-Other Solid
FINAL DATA PACKAGE

E:MAIL RESULTS TO:

Ella Feist

N/A
INITIAL/DATE

Mike Stankovich

N/A
INITIAL/DATE

MAIL COMPLETE COPY OF DATA PACKAGE TO:

Ella Feist

H9-01

(EF) 6.12.03
INITIAL/DATE

Mike Stankovich

H9-02

(MS) 6.12.03
INITIAL/DATE

Bob Hynes

H0-18

(BH) 6.12.03
INITIAL/DATE

Jeanette Duncan

H9-02

(JD) 6.12.03
INITIAL/DATE

COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE COVER SHEET)

SDG (D00360) SAF-B03-017

Rad only Chem only Rad & Chem

X Complete Partial

Sample Location/Waste Site: 600-107 K

RECEIVED
JUL 28 2003
EDMC

SUBMITTED TO:

Joan Kessner
Bechtel Hanford
3350 George Washington Way, MS H0-25
Richland, WA 99352



REFERENCE DATA:

Client Sample No.:	J00NJ3
P.O. No.:	Not Available
Sample Location:	Not Available
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	03-A-2283
DCL Sample ID No.:	03-14565
Sample Receipt Date:	5/13/03
Analysis Date:	5/13/03

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 NIST.

5/13/03

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

Client: Bechtel Hanford
Location: Not Available
Set ID: 03-A-2283

Client Sample ID: J00NJ3
DCL Sample ID: 03-14565

Macroscopic Examination

Accepted/Rejected: Accepted
Homogeneity: Homog.
Color: Black
Texture: Fibrous
Description: Material
Analysis: PLM

Asbestiform Minerals

% Chrysotile:
% Amosite:
% Crocidolite:
% Tremolite - Actinolite:
% Anthophyllite:
% Total Asbestos: ND

Other Materials

% Cellulose: >70≤80
% Fiberglass:
% Other Fibers:

% Resin/Binder:
% Non Fibrous: >10≤20

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.

03-A-2283

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			B03-017-105	Page 1 of 1
Collector Robert Fahlberg	Company Contact Renee Nielson	Telephone No. 372-9658	Project Coordinator KESSNER, JH		Price Code 9C	Data Turnaround Business Day
Project Designation Remaining Sites Confirmation Sampling-Other Solid		Sampling Location 600-107 K	SAF No. B03-017		Air Quality <input type="checkbox"/>	7 DAYS per
Ice Chest No. FED EX BOX	Field Logbook No. EL 1577	COA C17HXU671C	Method of Shipment Fed Ex		Joan KESSNER APR 5-13-03	
Shipped To Data Chem RE Waste Sampling & Characterization 5.8.03		Offsite Property No. NA	8291 5245 5204		Bill of Lading/Air Bill No. NA 8291 5245 5204	

POSSIBLE SAMPLE HAZARDS/REMARKS Tie To J00NB4 Special Handling and/or Storage <i>None</i>	Preservation	None																	
	Type of Container	PG P																	
	No. of Container(s)	1																	
	Volume	60ml W/L Pack																	

SAMPLE ANALYSIS

Sample No.	Matrix *	Sample Date	Sample Time																
J00NJ3	OTHER SOLID	5.8.03	1030	X															

CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *	
Relinquished By/Removed From R. Fahlberg	Date/Time 5.8.03 1500	Received By/Stored In JA 3728	Date/Time 5.8.03 1500	Personnel not available to relinquish samples from the 3728 Ref # 3A on 5/12/03				S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue Wf=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From REF 3A 3728	Date/Time 5/20/03 1100	Received By/Stored In SJOALE	Date/Time 5/20/03 1100						
Relinquished By/Removed From SJOALE	Date/Time 5/20/03 1100	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 <i>[Signature]</i>	Title	Date/Time 5/13/03 1100
	FINAL SAMPLE DISPOSITION		Disposal Method