

0059193

SAF-B01-055
100 B/C Area Effluent Pipeline &
Proximity Site Remediation Activities -
Other Solid
FINAL DATA PACKAGE

FAX RESULTS TO:

Dave Shea

373-1395

N/A
INITIAL/DATE

COMPLETE COPY OF DATA PACKAGE TO:

Dave Shea

X3-40

DS 4/27/03
INITIAL/DATE

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

SDG

WSCF0687

SAF-B01-055

Rad only

Chem only

Rad & Chem

Complete

Partial

RECEIVED
APR 28 2003

EDMC

WSCF
ANALYTICAL LABORATORY REPORT

ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

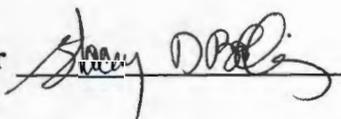
for

Bechtel Hanford, Inc.
MSIN H0-25
Richland, WA 99352

Attention: J. Kessner MSIN: H0-25

Survey ID J00FD4

Data Validator



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Group#: 20030027
Report Date 14-jan-2003
bulk/rev.5

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Fluor Hanford, Inc.
MSIN: S3-28
Richland, WA 99352

Phone 373-7403



WSCF
ANALYTICAL LABORATORY REPORT
ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

Your samples have been analyzed for fiber content using polarized light microscopy and dispersion staining in accordance with Industrial Hygiene Laboratory Procedure LA-519-403, based on 40 CFR Part 763, Subpart E, App. E and EPA method EPA/600/R-93/116. The results are attached.

This method provides a visual estimate of the percentage of each fiber type present. It is a semiquantitative method intended to identify materials containing $>$ or $=$ 1% asbestos fibers.* Reported fiber percentages for samples and sample layers are based on the samples as received by the laboratory. The laboratory cannot verify that these values are representative of the original material sampled.

The Waste Sampling and Characterization Facility is accredited by the American Industrial Hygiene Association (AIHA) to analyze bulk samples for asbestos content. This accreditation does not constitute approval or endorsement of analytical results by AIHA.

If there are questions concerning this report, please contact the data validator listed on the cover page of this report.

* Because of the nonhomogeneous nature of soils, results will be reported using the following terms rather than percentages:

1. None - No asbestos fibers found.
2. Trace detectable - With extensive searching, a few fibers of the type indicated were found; concentration very low, well below 1%.
3. Obvious presence - Fibers easily found but overall concentration still low.
4. Significant presence - Fibers readily found; overall concentration may approach or exceed 1% level.

Polarized light microscopy (PLM) may not be the preferred method for identification of asbestos in floor tile. Most vinyl floor tiles marketed in the late sixties to mid-seventies contained asbestos milled so fine as to be below detection limits for PLM techniques. Tiles of that vintage, showing any detectable asbestos fibers should be considered to be asbestos-containing material. Non-detection of asbestos by PLM should not be considered conclusive proof that the tiles do not contain asbestos. Results for such samples will be reported as 'indeterminate'. Confirmatory analysis by TEM is strongly recommended.

WSCF ANALYTICAL LABORATORY REPORT

Attention: J. Kessner MSIN: H0-25

Group #: 20030027

Sample #	Client ID	Test Performed	Range	Result	Units	Analyst	Sampled	Received	Analyzed
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W031000034 JO0FD4

The following are the results of this test- Bulk Asbestos Layer 1

	Cellulose	<	1	%		sdb	01/06/03	01/06/03	01/08/03
SAMPLE COMMENT---	Non-homogeneous black tar with brown granular material and								
SAMPLE COMMENT---	grey rocks, reportedly taken from 100B/C Pipes 28/29. No								
SAMPLE COMMENT---	asbestos was found in this portion of sample.								

RDL - Reporting Detection Limit RDL is $\geq 2 \times$ MDL
 RQ=Result Qualifier J - Estimated value.

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 Bechtel Hanford, Inc.

WSCF ANALYTICAL COMMENT REPORT

Attention: J. Kessner MSIN: H0-25

Group #: 20030027

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		Validated 1/14/03 by SD Belling, W Technical Manager.
W031000034	J00FD4	LOGSAMP		SAMPLE ACCEPTABLE FOR RECEIPT. REC'D BY K BEEBE 1/6/03 AND LOGGED BY MK GRANT 1/7/03.
		TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous black tar with brown granular material and grey rocks, reportedly taken from 100B/C Pipes 28/29. No asbestos was found in this portion of sample.

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B01-055-042	Page 1 of 1	
Collector D.Shea		Company Contact D.Shea		Telephone No. 373-6425		Project Coordinator KESSNER, JH	Price Code	Data Turnaround business D
Project Designation 100 B/C Area Effluent Pipeline & Proximity Site Remediation		Sampling Location 100 B/C pipes 28/29			SAF No. B01-055		Air Quality <input type="checkbox"/>	
Ice Chest No.		Field Logbook No. EI-1548-3		COA R100BC2600		Method of Shipment Gov. vehicle		
Shipped To Waste Sampling & Characterization		Offsite Property No.			Bill of Lading/Air Bill No.			
POSSIBLE SAMPLE HAZARDS/REMARKS Potentially radioactive Special Handling and/or Storage		Preservation	None					
		Type of Container	G/P					
		No. of Container(s)	1					
		Volume	60mL					
SAMPLE ANALYSIS			Asbestos					
Sample No.	Matrix *	Sample Date	Sample Time					
J00FD4 11031001034	OTHER SOLID	1/6/03	1000	✓				
CHAIN OF POSSESSION		Sign/Print Names			SPECIAL INSTRUCTIONS			Matrix *
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time	Lab WO# DB3021		S=Soil SE=Settling SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WJ=Wipe L=Liquid V=Vegetation X=Other
D.W. Shea M. Shea		1/6/03 1537	K. Bechtel K. Bechtel		1/6/03 1537			
K. Bechtel K. Bechtel		1/6/03	MK Grant / MK Grant		1-6-03 1600			
Storage			SD Polling / SD Polling		1/8/03			
SD Polling / SD Polling		1/8/03 1200	Storage					
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		
		MK Grant / MK Grant, IH Sample Custodian				1-6-03 / 1600		