

0059553

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
INITIAL/DATE

Mike Stankovich

H9-02

MS 4/23
INITIAL/DATE

Jeanette Duncan

JD
INITIAL/DATE

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

SDG

20030431

SAF-B03-017

Rad only Chem only Rad & Chem

Complete Partial

Sample Location/Waste Site: 128-B-2

RECEIVED
MAY 30 2003

EDMC

WSCF
ANALYTICAL LABORATORY REPORT
ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

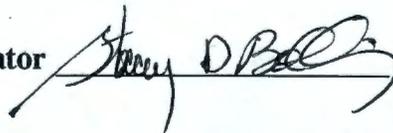
for

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

Attention: J. Kessner MSIN: H0-25

Survey ID J00K48-K49, J00K77, J00K69-K70

Data Validator



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Group#: 20030431
Report Date 16-apr-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 #: 20030431

Sample #	Client ID	Test Performed	Range	Result	Units	Analyst	Sampled	Received	Analyzed
W03I000548	J00K48	The following are the results of this test- Bulk Asbestos Layer 1		Cellulose	OBVIOUS%	mkh	03/28/03	04/01/03	04/02/03
				Amosite Asbestos	TRACE %	mkh	03/28/03	04/01/03	04/02/03
				Chrysotile Asbestos	TRACE %	mkh	03/28/03	04/01/03	04/02/03
		SAMPLE COMMENT--- Non-homogeneous brown soil, rocks, wood, roots, etc, SAMPLE COMMENT--- reportedly from 128-B-2.							
W03I000549	J00K49	The following are the results of this test- Bulk Asbestos Layer 1		Cellulose	TRACE %	mkh	03/28/03	04/01/03	04/01/03
		SAMPLE COMMENT--- Non-homogeneous grey soil and rocks with a few white fibers SAMPLE COMMENT--- and roots, reportedly from 128-B-2. No asbestos was found SAMPLE COMMENT--- in this sample.							
W03I000550	J00K77	The following are the results of this test- Bulk Asbestos Layer 1		Cellulose	SIGNIF %	mkh	03/28/03	04/01/03	04/02/03
		SAMPLE COMMENT--- Non-homogeneous tan soil with rocks, roots, etc., reportedly SAMPLE COMMENT--- from 128-B-2. No asbestos was found in this sample.							
W03I000551	J00K69	The following are the results of this test- Bulk Asbestos Layer 1		Amosite Asbestos	OBVIOUS%	mkh	03/28/03	04/01/03	04/02/03
				Cellulose	OBVIOUS%	mkh	03/28/03	04/01/03	04/02/03
				Chrysotile Asbestos	OBVIOUS%	mkh	03/28/03	04/01/03	04/02/03
				Mineral Wool	TRACE %	mkh	03/28/03	04/01/03	04/02/03
		SAMPLE COMMENT--- Non-homogeneous dark grey and brown soil and rocks including SAMPLE COMMENT--- tar or charcoal and pieces of insulation, reportedly from SAMPLE COMMENT--- 128-B-2.							

RDL - Reporting Detection Limit RDL is $\geq 2 \times$ MDL

RQ=Result Qualifier J - Estimated value.

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WSCF ANALYTICAL LABORATORY REPORT

Attention: J. Kessner MSIN: H0-25

Group #: 20030431

Sample #	Client ID	Test Performed	Range	Result	Units	Analyst	Sampled	Received	Analyzed
W031000552	J00K70	The following are the results of this test- Bulk Asbestos Layer 1							
		Cellulose		OBVIOUS%		mkh	03/28/03	04/01/03	04/02/03
		Amosite Asbestos		TRACE %		mkh	03/28/03	04/01/03	04/02/03
		Chrysotile Asbestos		TRACE %		mkh	03/28/03	04/01/03	04/02/03
		SAMPLE COMMENT---	Non-homogeneous dark grey and brown soil and rocks including						
		SAMPLE COMMENT---	tar or charcoal, reportedly from 128-B-2.						

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 #: 20030431

Sample #	Client ID	Lab Area	Test	Comment
W031000548	J00K48	VALGROUP LOGSAMP		Validated 4/18/03 by SD Bolling, IH Technical Manager. Received by K. Beebe and logged by SD Bolling 4/1/03. Samples acceptable upon receipt.
		TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous brown soil, rocks, wood, roots, etc. reportedly from 128-B-2.
W031000549	J00K49	TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous grey soil and rocks with a few white fibers and roots, reportedly from 128-B-2. No asbestos was found in this sample.
W031000550	J00K77	TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous tan soil with rocks, roots, etc., reportedly from 128-B-2. No asbestos was found in this sample.
W031000551	J00K69	TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous dark grey and brown soil and rocks including tar or charcoal and pieces of insulation, reportedly from 128-B-2.
W031000552	J00K70	TESTDATA	Bulk Asbestos Layer 1	Non-homogeneous dark grey and brown soil and rocks including tar or charcoal, reportedly from 128-B-2.

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				B03-017-26		Page 1 of 1																																																			
Collector Doug Bowers		Company Contact Renee Nielson		Telephone No. 521-2090		Project Coordinator KESSNER, JH		Price Code 9C																																																			
Project Designation Remaining Sites Confirmation Sampling-Other Solid		Sampling Location 128-B-2		SAF No. B03-017		Air Quality <input type="checkbox"/>		Data Turnaround Business Day																																																			
Ice Chest No. EAC 96-082		Field Logbook No. EL 1577		COA C17HXB671C		Method of Shipment Gov vehicle																																																					
Shipped To Waste Sampling & Characterization		Offsite Property No.				Bill of Lading/Air Bill No.																																																					
POSSIBLE SAMPLE HAZARDS/REMARKS																																																											
Special Handling and/or Storage				Preservation		None																																																					
				Type of Container		aG																																																					
				No. of Container(s)		1																																																					
				Volume		60mL																																																					
SAMPLE ANALYSIS																																																											
Asbestos																																																											
<table border="1"> <thead> <tr> <th>Sample No.</th> <th>Matrix *</th> <th>Sample Date</th> <th>Sample Time</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>J00K48 W03E000 545</td> <td>OTHER SOLID</td> <td>7-28-03</td> <td>0830</td> <td>X</td> <td></td> <td></td> <td></td> <td>area 2</td> <td>7-08-03</td> </tr> <tr> <td>J00K49 W03E000 545</td> <td>OTHER SOLID</td> <td>7-28-03</td> <td>1010</td> <td>Y</td> <td></td> <td></td> <td></td> <td>area 3</td> <td>7-08-03</td> </tr> <tr> <td>J00K77 W03E000 550</td> <td>OTHER SOLID</td> <td>7-28-03</td> <td>0945</td> <td>Y</td> <td></td> <td></td> <td></td> <td>area 3</td> <td>7-08-03</td> </tr> <tr> <td></td> <td>OTHER SOLID</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Sample No.	Matrix *	Sample Date	Sample Time							J00K48 W03E000 545	OTHER SOLID	7-28-03	0830	X				area 2	7-08-03	J00K49 W03E000 545	OTHER SOLID	7-28-03	1010	Y				area 3	7-08-03	J00K77 W03E000 550	OTHER SOLID	7-28-03	0945	Y				area 3	7-08-03		OTHER SOLID								
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	OTHER SOLID																																																										
CHAIN OF POSSESSION					SPECIAL INSTRUCTIONS																																																						
Relinquished By/Removed From Doug Bowers 3-28-03/1530		Date/Time			Received By/Stored In Rof 3C 3728 3-28-03/1530		Date/Time			Matrix * S-Sed SE-Sediment SD-Solid SL-Sludge W-Water O-Oil A-Air DS-Dry Solid DL-Dry Liquid T-Tissue Wt-Wipe L-Liquid V-Vegetation X-Other																																																	
Relinquished By/Removed From Rof 3C 3728 4-1-03/0900		Date/Time			Received By/Stored In Doug Bowers 4-1-03/0900		Date/Time																																																				
Relinquished By/Removed From Doug Bowers 4-1-03/1025		Date/Time			Received By/Stored In [Signature] 4/1/03 1100		Date/Time																																																				
Relinquished By/Removed From [Signature] 4/1/03 1100		Date/Time			Received By/Stored In SD Bolling 4/1/03 1100		Date/Time																																																				
Relinquished By/Removed From Storage 4/1/03		Date/Time			Received By/Stored In MK Hamilton 4/1/03 1300		Date/Time																																																				
Relinquished By/Removed From Storage 4/2/03		Date/Time			Received By/Stored In MK Hamilton 4/2/03		Date/Time																																																				
LABORATORY SECTION		Received By SD Bolling		Title IH Technical Mgr.		Date/Time 4/1/03 1100																																																					
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time																																																					

20030431

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			B03-017-26	Page 1 of 1
Collector Doug Bowers	Company Contact Rence Nielson	Telephone No. 521-2090	Project Coordinator KESSNER, JH	Price Code 9C	Data Turnaround Business Days	
Project Designation Remaining Sites Confirmation Sampling-Other Solid	Sampling Location 128-B-2	SAF No. B03-017	Air Quality <input type="checkbox"/>			
Ice Chest No. EAC 96-082	Field Logbook No. EL 1577	COA C17HXB671C	Method of Shipment Gov vehicle			
Shipped To Waste Sampling & Characterization	Offsite Property No.	Bill of Lading/Air Bill No.				

POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	None																		
	Type of Container	aG																		
	No. of Container(s)	1																		
	Volume	60L																		
Special Handling and/or Storage																				
SAMPLE ANALYSIS		Asbestos																		

Sample No.	Matrix *	Sample Date	Sample Time																		
J00 K69 ^{W031000} ₃₃₁	OTHER SOLID	3-27-03	0944	X																	
J00 K70 ^{W031000} ₃₃₂	OTHER SOLID	3-27-03	0944	X																	
	OTHER SOLID																				
	OTHER SOLID																				

CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS										Matrix *
Relinquished By/Removed From Doug Bowers	Date/Time 3-27-03/1700	Received By/Stored In Rof 3C 3728	Date/Time 3-27-03/1700	All samples in BKG										S=Soil SE=Soilment SD=Solid SI=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Truss WI=Wipe L=Liquid V=Vegetation X=Other
Relinquished By/Removed From Rof 3C 3728	Date/Time 4-1-03/0900	Received By/Stored In Doug Bowers	Date/Time 4-1-03/0900											
Relinquished By/Removed From Doug Bowers	Date/Time 4-2-03/1025	Received By/Stored In SD Bolling	Date/Time 4/1/03 1025											
Relinquished By/Removed From SD Bolling	Date/Time 4/1/03 1100	Received By/Stored In Stacy O'Reilly	Date/Time 4/1/03 1100											
Relinquished By/Removed From Storage	Date/Time 4/2/03 1400	Received By/Stored In MK Hamilton	Date/Time 4/1/03											
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time											

LABORATORY SECTION	Received By SD Bolling	Title IH Technical Mgr.	Date/Time 4/1/03 1100
FINAL SAMPLE DISPOSITION	Disposed Method	Disposed By	Date/Time