

0078365

SAF-RC-073
100-D/DR Burial Grounds & Remaining
Sites – Other Solid Quick Turn
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt

H4-21

KW 6/26/08
INITIAL/DATE

COMMENTS:

SDG 20081234

SAF RC-073

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site: 116-D-8 fibrous material

RECEIVED
JUL 07 2008

EDMC

WSCF
ANALYTICAL LABORATORY REPORT
ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT



for

Washington Closure Hanford (WCH)
Richland, WA 99354

Attention: Joan Kessner MSIN: H4-21

Survey ID

Data Validator Kenneth L. Thomas

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Group#: 20081234
Report Date 24-jun-2008
bulk/rev.7.2

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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.

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WSCF ANALYTICAL LABORATORY REPORT

Attention: Joan Kessner MSIN: H4-21

Group #: 20081234

Sample #	Client ID	Test Performed	Range	Result	Units	Analyst	Sampled	Received	Analyzed
W08IM01348	J17276	The following are the results of this test- Bulk Asbestos Layer 1		Synthetic	90-100 %	kit	06/18/08	06/19/08	06/23/08
		SAMPLE COMMENT--- Non-homogenous, black, fibrous, woven material. Per the chain-of-custody, this sample was collected from: 116-D-8.							
		SAMPLE COMMENT--- No asbestos was found in this sample.							
W08IM01349	J17277	The following are the results of this test- Bulk Asbestos Layer 1		Synthetic	90-100 %	kit	06/18/08	06/19/08	06/23/08
		SAMPLE COMMENT--- 70% non-homogenous, yellow, fibrous material. Per the chain-of-custody, this sample was collected from: 116-D-8. No asbestos was found in this sample.							
W08IM01349	J17277	The following are the results of this test- Bulk Asbestos Layer 2		Cellulose	1-5 %	kit	06/18/08	06/19/08	06/23/08
			Synthetic	5-10 %	kit	06/18/08	06/19/08	06/23/08	
		SAMPLE COMMENT--- 30% non-homogenous, gray rock and particulate, associated with the first layer.							

WSCF ANALYTICAL COMMENT REPORT

Attention: Joan Kessner MSIN: H4-21

Group #: 20081234

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		Validated 6/24/08, by KL Thomas, IH QA Manager.
WOBIM01348	J1727B	LOGSAMP		Samples Rec'd & Logged by T. Frazier on 06/19/08. OK Upon Receipt. Media: Bulk.
		TESTDATA	Bulk Asbestos Layer 1	Non-homogenous, black, fibrous, woven material. Per the chain-of-custody, this sample was collected from: 116-D-8.
WOBIM01349	J17277	TESTDATA	Bulk Asbestos Layer 1	No asbestos was found in this sample.
		TESTDATA	Bulk Asbestos Layer 2	70% non-homogenous, yellow, fibrous material. Per the chain-of-custody, this sample was collected from: 116-D-8. No asbestos was found in this sample.
		TESTDATA	Bulk Asbestos Layer 2	30% non-homogenous, gray rock and particulate, associated with the first layer.

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

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-073-042	Page 1 of 1	
Collector D.W.Shea		Company Contact D.W.Shea		Telephone No. 521-6014		Project Coordinator KESSNER, JH	Price Code	Data Turnaround 7 days
Project Designation 100-D/DR Burial Grounds & Remaining Sites - Other Solid Q		Sampling Location 116-D-8 fibrous material		SAF No. RC-073				
Ice Chest No. CHEMICAL-007		Field Logbook No. EL-1607-4		COA R116D82600		Method of Shipment Company Vehicle		
Shipped To Waste Sampling & Characterization		Offsite Property No. N/A		Bill of Lading/Air Bill No. N/A				
POSSIBLE SAMPLE HAZARDS/REMARKS potentially radioactive		Preservation		None				
Special Handling and/or Storage 20081234 6/26/08		Type of Container		G/P				
		No. of Container(s)		1				
		Volume		50g				
SAMPLE ANALYSIS		Asbestos- H.U.K.-EPA						
Sample No.	Matrix *	Sample Date	Sample Time					
J17276 W081101348	OTHER SOLID	16-18-08	0845	✓				
J17277 1349	OTHER SOLID	1	0838	✓				
CHAIN OF POSSESSION		Sign/Print Names			SPECIAL INSTRUCTIONS			Matrix *
Relinquished By/Removed From Thomas	Date/Time 6-18-08 1500	Received By/Stored In Dorshen Dorshen	Date/Time 6/18/08 1500					
Relinquished By/Removed From Dorshen Dorshen	Date/Time 6/18/08 1825	Received By/Stored In Eridge IA	Date/Time 6/18/08 1825					
Relinquished By/Removed From 1760 Batelle IA	Date/Time 6/19/08 1345	Received By/Stored In D.W. Shea	Date/Time 6/19/08 1345					
Relinquished By/Removed From Dorshen Dorshen	Date/Time 6/19/08 1450	Received By/Stored In TARNAZIM	Date/Time 6/19/08 1450					
Relinquished By/Removed From Storage	Date/Time 6-23-08 0900	Received By/Stored In HL Thomas	Date/Time 6/23/08 0900					
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	