

0074235

SAF-RC-006
100-N Ancillary Facilities & 190-DR
Other Solid Sampling for ERDF Waste
Designation
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

James Crocker X5-50

KW 10/24/2007
INITIAL/DATE

Amy Hood X5-50

KW 10/24/2007
INITIAL/DATE

Tom Edmundson X5-50

KW 10/24/2007
INITIAL/DATE

COMMENTS:

SDG 07I-1940-01

SAF-RC-006

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site(s): 117N Fiberglass Confirmation

RECEIVED
OCT 29 2007
EDMC



Cover



Report Identification Number: 07I-1940-01
 Subcontract Number: 0000X-BO-G0058-B-Mod #14
 Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker / Robert
 Brounster / Garrett Knutson / Brian Fauver /
 Laboratory Identification Number: DCHM
 SAF#: RC-006 / RD4MXX2F00
 Payroll#:

Sample Information

Sample Date	Customer Sample Number	Laboratory Sample Number	Method	Analytical Batch Identification	Sample Matrix
16 Oct 2007	J15VY0	07I12326	NIOSH 9002	G079Q002	BULK
16 Oct 2007	J15VY1	07I12327	NIOSH 9002	G079Q002	BULK
16 Oct 2007	J15VY2	07I12328	NIOSH 9002	G079Q002	BULK

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Name: Peter P. Steen
 Title: Chemist
 Date: October 24, 2007



Case Narrative

Report Identification Number: 07I-1940-01
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General Set Information: There were three samples in set 07I-1940-01 which were analyzed for asbestos in bulk material. No problems were encountered with the receipt of these samples.

Method Summary: All samples were examined for homogeneity. Non-homogeneous samples were ground to ensure homogeneity. Distinct layers were analyzed separately. The samples were prepared and examined for asbestos fibers utilizing the procedures outlined in NIOSH method 9002 (4th edition). A polarizing light microscope equipped with a 10x and a 16x eyepiece was used for the analysis. The area percentage of asbestos was estimated microscopically by a visual estimation of the fibers with a length-to-width aspect ratio of 3:1 or greater. If present, asbestos identities were confirmed with the appropriate refractive index oils applying dispersion staining techniques.

Sample Preparation: All samples were prepared in accordance with NIOSH method 9002 (4th edition).

Initial and Continuing Calibration Verification Analysis: N/A

Initial and Continuing Calibration Blank Analysis: N/A

Method Blank Analysis: N/A

Dilution(s): N/A.

Laboratory Control Sample and Duplicate Analysis: One Laboratory Control Sample (LCS) was prepared and analyzed with the sample batch. The results were within the control limit of +/- one reporting range.

Replicate Analysis: One sample was replicated with this analysis run.

Flagging Codes: None

Nonconformance/Corrective Action Report (NC/CAR): N/A

Sample Calculation: Sample results are reported by a visual estimation of the area percentage of asbestos. If necessary, a gravimetric ashing procedure may be used to remove certain non-asbestos material



Case Narrative

from the sample; a percentage calculation is used to correct for the removal of the non-asbestos material.

Miscellaneous Comments:

07I12326: Brownish, fiberglass insulation material.

07I12327: Brownish, fiberglass insulation material.

07I12328: Brownish, fiberglass insulation material.



Results

Report Identification Number: 07I-1940-01
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Customer Sample Number	Laboratory Sample Number	Date Analyzed	Amosite % Asbestos		Chrysotile % Asbestos		Crocidolite % Asbestos	
J15VY0	07I12326	23 Oct 2007	ND	U	ND	U	ND	U
J15VY1	07I12327	23 Oct 2007	ND	U	ND	U	ND	U
J15VY2	07I12328	23 Oct 2007	ND	U	ND	U	ND	U
Limit of Detection (LOD)			<1		<1		<1	
Required Detection Limit (RDL)								

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Actinolite/Tremolite % Asbestos		Anthophyllite % Asbestos	
J15VY0	07I12326	23 Oct 2007	ND	U	ND	U
J15VY1	07I12327	23 Oct 2007	ND	U	ND	U
J15VY2	07I12328	23 Oct 2007	ND	U	ND	U
Limit of Detection (LOD)			<1		<1	
Required Detection Limit (RDL)						

U - Parameter not detected above LOD.
 J - Parameter between LOD and RDL.



QC Summary

Report Identification Number: 07I-1940-01
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 Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker / Robert Brounster / Garrett Knutson / Brian Fauver /
 Laboratory Identification Number: DCHM
 SAF: RC-006 / RD4MXX2F00
 Payroll#:

Batch ID: G079Q002

QC Sample ID	QC Type	Analyte	Units	Result	Parent Result	Target	Percent Rec.	Relative Percent Diff.
QC101481	Bulk	Chrysotile	%	3.0		3.0	100	
QC101481	Bulk	Chrysotile	%	1.0	3.0	3.0	33	

MB - Method Blank
 LCS - Laboratory Control Sample
 LCSD - Laboratory Control Sample Duplicate
 MS - Matrix Spike
 MSD - Matrix Spike Duplicate
 LD - Laboratory Duplicate

NA - Not Applicable
 ND - Parameter not detected above LOD

$LCS, LCSD \text{ Percent Rec.} = (Result / Target) * 100.0$
 $MS, MSD \text{ Percent Rec.} = ((Result - Parent) / Target) * 100.0$

$LCS, LCSD \text{ Relative Percent Diff.} = ((|LCS - LCSD|) / ((LCS + LCSD)/2.0)) * 100.$
 $MS, MSD \text{ Relative Percent Diff.} = ((|MS - MSD|) / ((MS + MSD)/2.0)) * 100.$
 $LD \text{ Relative Percent Diff.} = ((|Parent - LD|) / ((Parent + LD)/2.0)) * 100$

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST		RC-006-151	Page 1 of 1
Collector Amy Hood	Consent Contact Amy Hood	Telephone No. 375-6621	Project Coordinator KESSNER, JH	Price Code 9K	Date Turnaround 7 Days
Project Description 100-N Ancillary Facilities & 190-DR Other Solid Sampling I	Sampling Location 117N Fiberglass Confirmation	Field Labbook No. EL-1516-13	SAF No. RC-006		
Ice Chest No. FED EX BOX	Field Labbook No. EL-1516-13	COA RDM0002R0	Method of Shipment Fed Ex		
Shipped To DataChem Laboratories - Salt Lake City	Offsite Property No. A0800066		Bill of Lading/Air Bill No. SEE OSFC		
POSSIBLE SAMPLE HAZARDS/REMARKS N/A					
Special Handling and/or Storage N/A					
SAMPLE ANALYSIS					
Sample No.	Matrix *	Sample Date	Sample Time	Preservation	Notes
J18V0	OTHER SOLID	10/16/07	0830	OP	
J18V1	OTHER SOLID	10/16/07	0839	1	
J18V2	OTHER SOLID	10/16/07	0845	%	
J18V3	OTHER SOLID				
J18V4	OTHER SOLID				
CHAIN OF POSSESSION					
Relinquished By/Retrieved From	Date/Time	Received By/Stored In	Date/Time	Signature	Date/Time
ALP	10/16/07	STZ	10/16/07		10/16/07
Relinquished By/Retrieved From	Date/Time	Received By/Stored In	Date/Time	Signature	Date/Time
3728/3A	10/17/07	MSB	10/17/07		10/17/07
Relinquished By/Retrieved From	Date/Time	Received By/Stored In	Date/Time	Signature	Date/Time
MSB	10/17/07	FED EX	10/18/07		10/18/07
Relinquished By/Retrieved From	Date/Time	Received By/Stored In	Date/Time	Signature	Date/Time
FED EX	10/18/07				
Relinquished By/Retrieved From	Date/Time	Received By/Stored In	Date/Time	Signature	Date/Time
SPECIAL INSTRUCTIONS					
Potential AOM					
samples from 3728 Ref # 34 3728 Custodian removed samples for shipping on 10/17/07 Sampler unavailable to relinquish					
LABORATORY SECTION	Received By	Date/Time	Date/Time		
FINAL SAMPLE DISPOSITION	Disposal Method		Date/Time		
			10/18/07 OS		
			10/18/07 OS		

WCH-EE-011