

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 6/1/09
INITIAL/DATE

COMMENTS:

SDG D9140014

SAF RC-073

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site: 628-3 PACM

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Cover



Report Identification Number: D9140014
 Subcontract Number: S003827A00
 Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker / Garrett Knutson
 Brian Fauver
 Laboratory Identification Number: DCHM
 SAF#: RC-~~001~~⁰⁷³ / RC-073-089
 Sample Receipt Date: 05/20/2009

Sample Information

Sample Date	Customer Sample Number	Laboratory Sample Number	Method	Analytical Batch Identification	Sample Matrix
05/18/2009	J18X75	9140014001	NIOSH 9002	29200	Bulk
05/18/2009	J18X76	9140014002	NIOSH 9002	29200	Bulk
05/18/2009	J18X77	9140014003	NIOSH 9002	29200	Bulk
05/18/2009	J18X78	9140014004	NIOSH 9002	29200	Bulk
05/18/2009	J18X79	9140014005	NIOSH 9002	29200	Bulk

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Name: Peter P. Steen
 Title: Chemist
 Date: May 29, 2009



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Case Narrative

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Report Identification Number: D9140014
Subcontract Number: S003827A00
Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker/ Garrett Knutson / Brian Fauver
Laboratory Identification Number: DCHM
SAF#: RC-~~601~~⁶⁷³ / RC-073-089
Sample Receipt Date: 05/20/2009

General Workorder Information: There are five samples in workorder 9140014 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 batch.

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



Case Narrative

Miscellaneous Comments:

9140014001: Black, compacted/fibrous insulation material.

9140014002: Gray, fibrous insulation wrap.

9140014003: Tan, granular plaster material.

9140014004: Grayish, powdery/fibrous pipe insulation.

9140014005: Gray, fibrous insulation wrap.



Results

Report Identification Number: D9140014
 Subcontract Number: S003827A00
 Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker/ Garrett Knutson / Brian Fauver
 Laboratory Identification Number: DCHM
 SAF#: RC-~~001~~⁸²³ / RC-073-089
 Sample Receipt Date: 05/20/2009

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Chrysotile %		Amosite %		Crocidolite %	
J18X75	9140014001	05/29/2009	<1	U	<1	U	<1	U
J18X76	9140014002	05/29/2009	60		<1	U	<1	U
J18X77	9140014003	05/29/2009	<1	U	<1	U	<1	U
J18X78	9140014004	05/29/2009	10		10		<1	U
J18X79	9140014005	05/29/2009	60		<1	U	<1	U
Required Detection Limit (RDL)			1		1		1	

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Actinolite/Tremolite %		Anthophyllite %	
J18X75	9140014001	05/29/2009	<1	U	<1	U
J18X76	9140014002	05/29/2009	<1	U	<1	U
J18X77	9140014003	05/29/2009	<1	U	<1	U
J18X78	9140014004	05/29/2009	<1	U	<1	U
J18X79	9140014005	05/29/2009	<1	U	<1	U
Required Detection Limit (RDL)			1		1	

U - Parameter not detected above LOD
 J - Parameter between LOD and RDL
 ** - Not provided or unable to calculate
 NA - Not Applicable



QC Summary

Report Identification Number: D9140014
 Subcontract Number: S003827A00
 Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker/ Garrett Knutson / Brian Fauver
 Laboratory Identification Number: DCHM
 SAF: RC-~~001~~⁸²³ / RC-073-089
 Sample Receipt Date: 05/20/2009

Batch ID: 29200

QC Sample ID	QC Type	Analyte	Units	Result	Parent Result	Target
QC107747	LCS	Amosite	%	50	-	45
QC107747	LCSD	Amosite	%	60	-	45
QC107747	LCS	Chrysotile	%	ND	-	ND
QC107747	LCSD	Chrysotile	%	ND	-	ND

- 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 Percent Rec. = (Result / Target) * 100.0
 MS, MSD Percent Rec. = ((Result - Parent) / Target) * 100.0

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



2009-05-20-9140014-01

Washiji Collector D. Shea		9140014		RC-073-089		Page 1 of 1			
Project Designation 100-DDBR (Burial Grounds w/ Remaining Sites - Other Solid)				Project Coordinator KESSNER, JH		Data Turnaround			
Ice Chest No. 009-001				Company Contact D.W. Shea		Price Code			
Shipped To DataChem Laboratories - Lab Salt Lake				Telephone No. 373-3116		SAF No. RC-073			
POSSIBLE SAMPLE HAZARDS/REMARKS <i>potentially asbestos containing</i>				Sampling Location 62R-3 PACM		Method of Shipment FFD EX			
Special Handling and/or Storage				Field Labbook No. EL-1007-6		Bill of Lading/Air Bill No. SEE OPRC			
SAMPLE ANALYSIS				COA R6280N100		Offsite Property No. A090125			
Sample No.	Matrix *	Sample Date	Sample Time	Preservation	Note	Type of Container	No. of Container(s)	Volume	Adhesives BULK/BA
J18X75	OTHER SOLID	5/19/09	1325						
J18X76	OTHER SOLID		1328						
J18X77	OTHER SOLID		1332						
J18X78	OTHER SOLID		1339						
J18X79	OTHER SOLID		1348						
CHAIN OF POSSESSION									
Relinquished By/Retrieved From DOWNSHA, AUSTIN EA		Date/Time 5/18/09 1741	Received By/Shared In Fridge 3A		Date/Time 5/18/09 1741	SPECIAL INSTRUCTIONS			
Relinquished By/Retrieved From Fridge 3A/J. E. Benhard		Date/Time 5-19-09	Received By/Shared In J. E. Benhard		Date/Time 5-19-09	<p>Matrix *</p> <p>S-sed SE-Sediment SD-Solid SI-Surface W-Water G-Gel O-Oil Oth-Other Solids H-House Hold T-Trace W-Wipe L-Liquid V-Volatile X-Other</p> <p>Sample unavailable to remove samples from controlled storage. Shipper removed samples from storage location taking custody of samples for shipment to lab.</p>			
Relinquished By/Retrieved From J. E. Benhard		Date/Time 5-19-09	Received By/Shared In FEU EX		Date/Time				
Relinquished By/Retrieved From INDEX		Date/Time 5/20/09 085	Received By/Shared In		Date/Time 5/20/09 085				
Relinquished By/Retrieved From ASHERS		Date/Time 5/20/09	Received By/Shared In		Date/Time				
Relinquished By/Retrieved From		Date/Time	Received By/Shared In		Date/Time				
LABORATORY SECTION	Received By		Received By		Date/Time	Title			
FINAL SAMPLE DISPOSITION	Disposal Method		Disposal Method		Date/Time	Disposed By			