

0078917

**SAF-RC-030**  
**Remaining Sites Confirmation Sampling -**  
**Other Solid**  
**FINAL DATA PACKAGE**

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 10/6/08  
INITIAL/DATE

COMMENTS:

SDG D8277004

**SAF-RC-030**

Rad only

Chem only

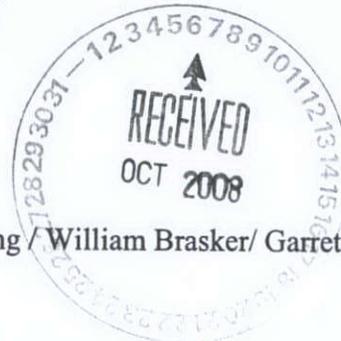
Rad & Chem

Complete

Partial

Waste Site: 100-H-28:7

**RECEIVED**  
OCT 20 2008  
**EDMC**



Report Identification Number: D8277004  
Subcontract Number: S003827A00  
Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker / Garrett Knutson / Brian Fauver  
Laboratory Identification Number: DCHM  
SAF#: RC-001 / *RC 030*  
Sample Receipt Date: 10/03/2008

**Sample Information**

Sample Date	Customer Sample Number	Laboratory Sample Number	Method	Analytical Batch Identification	Sample Matrix
10/01/2008	J17FP8	8277004001	NIOSH 9002	20915	Bulk
10/01/2008	J17FP9	8277004002	NIOSH 9002	20915	Bulk

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Name: Peter P. Steen  
Title: Chemist  
Date: October 06, 2008



## Case Narrative

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Report Identification Number: D8277004  
Subcontract Number: S003827A00  
Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker/ Garrett Knutson / Brian Fauver  
Laboratory Identification Number: DCHM  
SAF#: RC-001 /  
Sample Receipt Date: 10/03/2008

**General Workorder Information:** There are two samples in workorder 8277004 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 (4<sup>th</sup> 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 (4<sup>th</sup> 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.



**Miscellaneous Comments:**

8277004001: Black, tarry/fibrous insulation material.

8277004002: Black, tarry/fibrous insulation material.



# Results

Report Identification Number: D8277004  
 Subcontract Number: S003827A00  
 Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker/ Garrett Knutson / Brian Fauver  
 Laboratory Identification Number: DCHM  
 SAF#: RC-001 /  
 Sample Receipt Date: 10/03/2008

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Chrysotile %		Amosite %		Crocidolite %	
J17FP8	8277004001	10/03/2008	<1	U	<1	U	<1	U
J17FP9	8277004002	10/03/2008	<1	U	<1	U	<1	U
Limit of Detection (LOD)			NA		NA		NA	
Required Detection Limit (RDL)			1		1		1	

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Actinolite/Tr emolite %		Anthophyllit e %	
J17FP8	8277004001	10/03/2008	<1	U	<1	U
J17FP9	8277004002	10/03/2008	<1	U	<1	U
Limit of Detection (LOD)			NA		NA	
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: D8277004  
Subcontract Number: S003827A00  
Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker/ Garrett Knutson / Brian Fauver  
Laboratory Identification Number: DCHM  
SAF: RC-001 /  
Sample Receipt Date: 10/03/2008

Batch ID: 20915

QC Sample ID	QC Type	Analyte	Units	Result	Parent Result	Target	Percent Rec.	Relative Percent Diff.
QC107025	Reference	Amosite	%	30	NA	45	NA	NA
QC107025	Reference	Amosite	%	40	NA	45	NA	NA
QC107025	Reference	Chrysotile	%	10	NA	20	NA	NA
QC107025	Reference	Chrysotile	%	20	NA	20	NA	NA

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

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

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

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

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

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



COC

2008-10-03-8277004-01



8277004

**IN OF CUSTODY/SAMPLE ANALYSIS REQUEST**

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Washington Closure # 8277004		Company Contact Matt Perrott		Telephone No. 372-9088		Project Coordinator KESSNER, JH		Price Code 9C		Data Turnaround 9C hours	
Collector HUDSON		Sampling Location 100-H-28:7		SAF No. RC-030		Method of Shipment FED EX		24 Hours		24 Hours	
Project Designation Remaining Sites Confirmation Sampling - Other Solid		Field Logbook No. EL-1601-2		COA CO0H2BA000		Method of Shipment FED EX		10/1/08		7 days	
Ice Chest No. NA FED EX Box		Offsite Property No. A090001		Bill of Lading/Air Bill No. SEE OSPC							
Shipped To DataChem Laboratories - Salt Lake City											
POSSIBLE SAMPLE HAZARDS/REMARKS		Preservation		Name							
Special Handling and/or Storage		Type of Container		GP							
		No. of Container(s)		1							
		Volume		250g							
SAMPLE ANALYSIS		Asbestos-BULK-EPA									
Sample No.	Matrix *	Sample Date	Sample Time								
J17FP5	OTHER SOLID	10/1/08									
J17FP6	OTHER SOLID										
J17FP7	OTHER SOLID										
J17FP8	OTHER SOLID	10/1/08	1445	X							
J17FP9	OTHER SOLID	10/1/08	1450	X							
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix *			
Relinquished By/Removed From HUDSON		Date/Time 10/1/08		Received By/Stored In 1060 #3C		Date/Time 10/1/08 1645		<p style="text-align: center;">Sampler unavailable to remove samples from controlled storage. Shipper removed samples from storage location taking custody of samples for shipment to lab.</p>		<ul style="list-style-type: none"> <li>S-S-4</li> <li>SE-Schedule</li> <li>SO-Solid</li> <li>SI-Sludge</li> <li>W - Water</li> <li>On-Off</li> <li>An-Air</li> <li>DS-Disposal Solid</li> <li>DL-Draw Liquid</li> <li>T-Tissue</li> <li>W-Wipe</li> <li>L-Liquid</li> <li>Va-Vapor/Gas</li> <li>X-Other</li> </ul>	
Relinquished By/Removed From 1060 3C/J.E. Bernhard		Date/Time 10-2-08		Received By/Stored In J.E. Bernhard		Date/Time 10-2-08					
Relinquished By/Removed From J.E. Bernhard		Date/Time 10-2-08		Received By/Stored In FED EX		Date/Time					
Relinquished By/Removed From Fed EX		Date/Time		Received By/Stored In Kurt W. Wray		Date/Time 10/3/08					
Relinquished By/Removed From A090001		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					

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WCH-EE-011