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

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21 KW 11/17/08
INITIAL/DATE

COMMENTS:

SDG D8312006 **SAF-RC-030**

Rad only X Chem only Rad & Chem

X Complete Partial

Waste Subsite: 100-H-28:2

DATA CHEM LABORATORIES, INC.

Cover

Report Identification Number: D8312006
Subcontract Number: S003827A00
Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / William Brasker/ Garrett Knutson / Brian Fauver
Laboratory Identification Number: DCHM
SAF#: RC-001 / C00H28A000
Sample Receipt Date: 11/07/2008

Sample Information

Sample Date	Customer Sample Number	Laboratory Sample Number	Method	Analytical Batch Identification	Sample Matrix
11/05/2008	J17FR0	8312006001	NIOSH 9002	22392	Bulk

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Name: Peter P. Steen
Title: Chemist
Date: November 14, 2008

DataChem Laboratories, Inc.
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General Workorder Information: There is one sample in workorder 8312006 which was 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.

Miscellaneous Comments:

8312006001: Brown, fibrous insulation material.

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Sample Receipt Date: 11/07/2008

Customer Sample Number	Laboratory Sample Number	Date Analyzed	Chrysotile %		Amosite %		Crocidolite %	
J17FR0	8312006001	11/14/2008	<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/Tremolite %		Anthophyllite %	
J17FR0	8312006001	11/14/2008	<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

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SAF: RC-001 / C00H28A000
Sample Receipt Date: 11/07/2008

Batch ID: 22392

QC Sample ID	QC Type	Analyte	Units	Result	Parent Result	Target	Percent Rec.	Relative Percent Diff.
QC107031	LCS	Amosite	%	ND	NA	ND	NA	NA
QC107031	LCSD	Amosite	%	ND	ND	ND	NA	0
QC107031	LCS	Chrysotile	%	10	NA	30	33.3	NA
QC107031	LCSD	Chrysotile	%	20	10	30	66.7	66.7

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

2008-11-07-8312006-01

8312006

8312006

Washington Closure Hanford

STODY/SAMPLE ANALYSIS REQUEST

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Collector: Hudson	Company Contact: Matt Perrott	Telephone No.: 372-9088	Project Coordinator: KESSNER, JH
Price Code: 9C	Data Turnaround: ~~24 Hours~~ 7 days 8/8/08		
Project Designation: Remaining Sites Confirmation Sampling - Other Solid	Sampling Location: 100H-28:2		SAF No.: RC-030
Ice Chest No.: Fed Ex Box	Field Logbook No.: EL-1601-3	COA: C00H28A000	Method of Shipment: Fed Ex
Shipped To: DataChem Laboratories - Salt Lake City	Offsite Property No.: A090003		Bill of Lading/Air Bill No.: Ser ospc

POSSIBLE SAMPLE HAZARDS/REMARKS

Special Handling and/or Storage

Preservation	None										
Type of Container	G/P										
No. of Container(s)	1										
Volume	250g										
SAMPLE ANALYSIS	Asbestos-BULK-EPA										

Sample No.	Matrix *	Sample Date	Sample Time								
J17FR0 ✓	OTHER SOLID	11/5/08	1330	X							
~~J17FR1~~	OTHER SOLID										
~~J17FR2~~	OTHER SOLID										
~~J17FR3~~	OTHER SOLID										
J17FR4 ~~RH~~ 11/5/08	OTHER SOLID										

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
D.L. Hudson	11/5/08 1630	1060/#3C	11/5/08 1630
1060/3C	NOV 06 2008 0815	M. Stankovich	NOV 06 2008 0815
M. Stankovich	NOV 06 2008 0815	Fed Ex	
Fed Ex			11/7/08 10:00

SPECIAL INSTRUCTIONS

Matrix *
S=Soil
SE=Sediment
SD=Solid
SL=Sludge
W=Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum Liquids
T=Tissue
WI=Wipe
L=Liquid
V=Vegetation
X=Other

LABORATORY SECTION	Received By	11/7/08 10:00	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method		Disposed By	Date/Time

WCH-EE-011