

SAF-RC-020
100-BC Burial Grounds –
Soil Full Protocol
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 11/11/08
INITIAL/DATE

COMMENTS:

SDG 08-A-5888

SAF-RC-020

Rad only

Chem only

Rad & Chem

Complete

Partial

Waste Site: **100-B-21:3**



SUBMITTED TO:

Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354



REFERENCE DATA:

Client Sample No.: J17KF9 thorough J17KH2
P.O. No.: Not Available
Sample Location: 100-B-21:3
Sample Type: Bulk
Method Reference: DCL Procedure: ENV-004
DCL Set ID No.: 08-A-5888
DCL Sample ID No.: 08-32925 through 08-32928
Sample Receipt Date: 10/22/08
Analysis Date: 11/6/08

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using DataChem Laboratories' procedure, ENV-004. The samples were acceptable upon receipt except where noted. Mountings of fibers observed and representative portions of the material were prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the portions of materials analyzed and are summarized on the attached Bulk Asbestos Analysis Data Sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

*Some samples may contain fibers that are not visible by PLM and can only be discovered by electron microscopy techniques.

11/6/08

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Summary**

Client: Washington Closure Hanford
Location: 100-B-21:3
Set ID: 08-A-5888

Client Sample ID:	J17KF9	J17KH0	J17KH1	J17KH2
DCL Sample ID:	08-32925	08-32926	08-32927	08-32928
Macroscopic Examination				
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.
Color:	Brown	Brown	Brown	Brown
Texture:	Grnlr/Fbrs	Grnlr/Fbrs	Grnlr/Fbrs	Grnlr/Fbrs
Description:	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM
Asbestiform Minerals				
% Chrysotile:				Trace
% Amosite:				
% Crocidolite:				
% Tremolite - Actinolite:				
% Anthophyllite:				
% Total Asbestos:	ND	ND	ND	Trace
Other Materials				
% Cellulose:	>1 ≤ 3	>1 ≤ 3	>1 ≤ 3	>1 ≤ 3
% Fiberglass:				
% Other Fibers:				
% Resin/Binder:				
% Non Fibrous:	>90 ≤ 100	>90 ≤ 100	>90 ≤ 100	>90 ≤ 100

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate.

Washington Closure Hanford Page 1 of 1

Collector: C. Martinez *Aurecitt Kobayak* RC-020-094

Project Designation: 100-BC Burial Grounds - Soil Full Protocol Price Code: 80

Ice Chest No.: **NA - FED EX BOX** Data Turnaround: 45 days

Shipped To: DataChem Laboratories - Cincinnati Bill of Lading/Air Bill No.: 7993 9840 7865

Company Contact: C. Martinez Project Coordinator: KESSNER, JH

Sampling Location: 100-B-21.3 SAF No.: RC-020

Field Logbook No.: **FL-1133-11** Method of Shipment: FED EX

Offsite Property No.: **NA** COA: R10B212000

Telephone No.: 509-539-2816

POSSIBLE SAMPLE HAZARDS/REMARKS

None

Special Handling and/or Storage

None

08-A-5888

SAMPLE ANALYSIS

Sample No.	Matrix *	Sample Date	Sample Time	Preservation	None
J17KF9 -32925	SOIL	10/20/08	0950	GP	
J17KH0 -32926	SOIL	10/20/08	1045	1	
J17KH1 -32927	SOIL	10/20/08	1010	250mL	
J17KH2 -32928	SOIL	10/20/08	1000	Asbestos-BULK-EPA	
417KH3	SOIL	10/20/08			

CHAIN OF POSSESSION

Relinquished By/Removed From: <i>TURCH...</i>	Date/Time: 10/20/08	Received By/Stored In: <i>C. KESSNER</i>	Date/Time: 10/20/08
Relinquished By/Removed From: <i>C. KESSNER</i>	Date/Time: 11/43	Received By/Stored In: <i>...</i>	Date/Time: 11/43
Relinquished By/Removed From: <i>...</i>	Date/Time: 10/20/08	Received By/Stored In: <i>...</i>	Date/Time: 10/20/08
Relinquished By/Removed From: <i>...</i>	Date/Time: 10-21-08	Received By/Stored In: <i>J.F. Bembach</i>	Date/Time: 10-21-08
Relinquished By/Removed From: <i>J.F. Bembach</i>	Date/Time: 10-21-08	Received By/Stored In: <i>FED EX</i>	Date/Time: 10-21-08
Relinquished By/Removed From: <i>FED EX</i>	Date/Time: 10-21-08	Received By/Stored In: <i>Anna Marie Lutes</i>	Date/Time: 10/22/08
Relinquished By/Removed From: <i>...</i>	Date/Time: 10-21-08	Received By/Stored In: <i>...</i>	Date/Time: 10-21-08

SPECIAL INSTRUCTIONS

Note

LABORATORY SECTION Title: 10/22/08 10:1

FINAL SAMPLE DISPOSITION Disposal Method: 10/22/08 10:1

Received By: *Anna Marie Lutes*

Disposal Method: *10/22/08 10:1*

Disposed By: *...* Date/Time: 10/22/08 10:1