

SAF-RC-040
300 Area D&D Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Mike Stankovich

L1-01

KW 12/27/07
INITIAL/DATE

RECEIVED
JAN 03 2008
EDMC

COMMENTS:

SDG 07-A-6729

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 300 Area 309 Bldg.



12/21/07
Page 1 of 8

SUBMITTED TO:

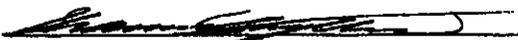
Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354

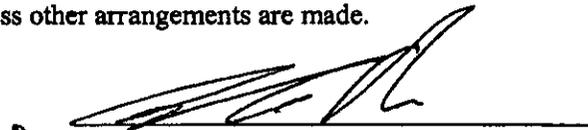


REFERENCE DATA:

Client Sample No.:	J162V3 through J162V9
P.O. No.:	Not Available
Sample Location:	309
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-6729
DCL Sample ID No.:	07-39413 through 07-39452
Sample Receipt Date:	11/27/07
Analysis Date:	12/21/07

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are 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 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


for Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

CINCINNATI OFFICE
4388 GLENDALE-MILFORD ROAD
CINCINNATI, OHIO 45242-3706
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE
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NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report

Client: Washington Closure Hanford
 Location: 309
 Set ID: 07-A-6729

Client Sample ID:	J162V3	J162V4	J162V5	J162V6	J162V7
DCL Sample ID:	07-39413	07-39414	07-39415	07-39416	07-39417
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Layered Inseparable	Homog.
Color:	Grey	Grey	Grey	Grey/Yellow	Grey
Texture:	Crmbly/Fbrs	Crmbly/Fbrs	Crmbly/Fbrs	Crmbly/Fbrs	Crmbly/Fbrs
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
Other Materials					
% Cellulose:					
% Fiberglass:	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30	>30 ≤ 40	>20 ≤ 30
% Other Fibers:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10		>5 ≤ 10
% Resin/Binder:					
% Non Fibrous:	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60

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. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

12/21/07

DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report

Client: Washington Closure Hanford
 Location: 309
 Set ID: 07-A-6729

Client Sample ID:	J162V8	J162K8	J162K9	J162L0	J162L1
DCL Sample ID:	07-39418	07-39419	07-39420	07-39421	07-39422
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Homog.
	Inseparable	Inseparable	Inseparable	Inseparable	
Color:	Yellow/Grey	Grey/Yellow	Grey/Yellow	Grey/Yellow	Grey
Texture:	Fbrs/Crmby	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
Other Materials					
% Cellulose:					
% Fiberglass:	>50 ≤ 60	>20 ≤ 30	>30 ≤ 40	>20 ≤ 30	>20 ≤ 30
% Other Fibers:		>5 ≤ 10		>5 ≤ 10	>5 ≤ 10
% Resin/Binder:					
% Non Fibrous:	>30 ≤ 40	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


 Shawn Smythe
 Microscopist

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12/21/07

DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report

Client: Washington Closure Hanford
 Location: 309
 Set ID: 07-A-6729

Client Sample ID:	J162L2	J162L3	J162L4	J162L5	J162L6
DCL Sample ID:	07-39423	07-39424	07-39425	07-39426	07-39427
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.	Homog.
Color:	Grey	Grey	Grey	Grey	Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
Other Materials					
% Cellulose:					
% Fiberglass:	>20 ≤ 30	>20 ≤ 30	>30 ≤ 40	>30 ≤ 40	>20 ≤ 30
% Other Fibers:	>5 ≤ 10	>5 ≤ 10			>5 ≤ 10
% Resin/Binder:					
% Non Fibrous:	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


 Shawn Smythe
 Microscopist

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12/21/07

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

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6729

Client Sample ID:	J162L7	J162L8	J162L9	J162M0	J162M1
DCL Sample ID:	07-39428	07-39429	07-39430	07-39431	07-39432
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.	Homog.
Color:	Grey	Grey	Grey/Yellow	Grey	Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
Other Materials					
% Cellulose:					
% Fiberglass:	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30
% Other Fibers:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10
% Resin/Binder:					
% Non Fibrous:	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


Shawn Smythe
Microscopist

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12/21/07

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

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6729

Client Sample ID:	J162M2	J162M3	J162M4	J162M9	J162N0
DCL Sample ID:	07-39433	07-39434	07-39435	07-39440	07-39441
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.	Homog.
Color:	Grey	Grey	Grey	Grey	Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
Other Materials					
% Cellulose:					
% Fiberglass:	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30
% Other Fibers:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10
% Resin/Binder:					
% Non Fibrous:	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60

ND = None Detected Trace = <1%

Special Prep Procedures: Sample numbers J162M5 through J162M8 were prepared by gravimetric reduction.

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


Shawn Smythe
Microscopist

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12/21/07

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

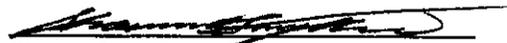
Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6729

Client Sample ID:	J162N1	J162N2	J162N3	J162N4	J162N5
DCL Sample ID:	07-39442	07-39443	07-39444	07-39445	07-39446
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.	Homog.
Color:	Grey	Grey/Yellow	Grey	Grey	Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
Other Materials					
% Cellulose:					
% Fiberglass:	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30
% Other Fibers:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10
% Resin/Binder:					
% Non Fibrous:	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60

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. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

12/21/07

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

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6729

Client Sample ID:	J162N6	J162N7	J162N8
DCL Sample ID:	07-39447	07-39448	07-39449
Macroscopic Examination			
Accepted/Rejected:	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.
Color:	Grey	Grey	Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs
Description:	Material	Material	Material
Analysis:	PLM	PLM	PLM
Asbestiform Minerals			
% Chrysotile:			
% Amosite:			
% Crocidolite:			
% Tremolite - Actinolite:			
% Anthophyllite:			
% Total Asbestos:	ND	ND	ND
Other Materials			
% Cellulose:			
% Fiberglass:	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30
% Other Fibers:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10
% Resin/Binder:			
% Non Fibrous:	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60

ND = None Detected Trace = <1%

Special Prep Procedures: Sample numbers J162N9 through J162V9 were prepared by gravimetric reduction.

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


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.



SUBMITTED TO:

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

REFERENCE DATA:

Client Sample No.:	J162M5 through J162V9
P.O. No.:	Not Available
Sample Location:	309
Sample Type:	Bulk
Method Reference:	EPA/600/R-93/116, ELAP 198.1 (modified), PLM Analysis with Gravimetric Reduction
DCL Set ID No.:	07-A-6729
DCL Sample ID No.:	07-39436 through 07-39452
Sample Receipt Date:	11/27/07
Preparation Date:	12/19/07 through 12/20/07
Analysis Date:	12/20/07

We certify that the samples indicated on the following data sheet(s) were prepared by gravimetric reduction and analyzed by Polarized Light Microscopy (PLM) for asbestos using a modification of the method, EPA/600/R-93/116, ELAP 198.1, Chatfield Method, for determining the amount and type of asbestos present in bulk building materials. The samples were acceptable upon receipt except where noted.

The samples were examined under a stereomicroscope for general composition and phase separation. Coarse, non-asbestos materials that cannot be pulverized, such as pebbles or metal foils, were separated from the portion analyzed. Other non-asbestos material was removed by ashing in a muffle furnace and/or dissolution in hydrochloric acid. Sample weights were tracked through each step in the reduction. Mountings of representative portions of the final residue were prepared in one or more 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 materials analyzed and are summarized on the attached PLM Asbestos Analysis Data Sheets.


Shawn Smythe
Analyst


for Anna Marie Ristich
Reviewer

* Some samples may contain fibers that are not visible by PLM and can only be discovered by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government.

Samples will be disposed of after 60 days unless instructed otherwise.

CINCINNATI OFFICE
4388 GLENDALE-MILFORD ROAD
CINCINNATI, OHIO 45242-3708
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE
11 SANTA YORMA COURT
NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

**DataChem Laboratories Analytical Report
PLM Bulk Asbestos Analysis using Gravimetric Reduction**

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6729

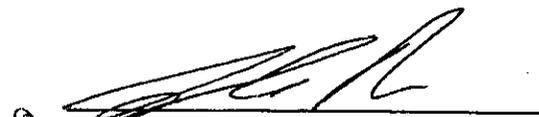
SAMPLE IDENTIFICATION					
Client ID:	J162M5	J162M6	J162M7	J162M8	J162N9
DCL ID:	07-39436	07-39437	07-39438	07-39439	07-39450
SAMPLE DESCRIPTION					
Homogeneity:	Homog.	Homog.	Homog.	Homog.	Homog.
Color:	Black	Black	Black	Black	Black
Texture:	Resinous	Resinous	Resinous	Resinous	Resinous
Description:	Roofing	Roofing	Roofing	Roofing	Roofing
SAMPLE PREP					
Starting Weight (g):	0.2511	0.3245	0.3890	0.2998	0.1614
Residue Weight (g):	0.0039	0.0070	0.0340	0.0152	0.0071
Weight Percent Residue:	1.55	2.16	8.74	5.07	4.40
PERCENT ASBESTOS DETECTED IN RESIDUE					
Chrysotile:	ND	ND	30	ND	ND
Grunerite:	ND	ND	0	ND	ND
Crocidolite:	ND	ND	0	ND	ND
Actinolite-Tremolite:	ND	ND	0	ND	ND
Anthophyllite:	ND	ND	0	ND	ND
TOTAL IN RESIDUE	ND	ND	30.0	ND	ND
ASBESTOS PERCENT IN SAMPLE					
	ND	ND	2.6	ND	ND

ND = None Detected

TRACE = <1%

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


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

**DataChem Laboratories Analytical Report
PLM Bulk Asbestos Analysis using Gravimetric Reduction**

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6729

SAMPLE IDENTIFICATION		
Client ID:	J162P0	J162V9
DCL ID:	07-39451	07-39452
SAMPLE DESCRIPTION		
Homogeneity:	Homog.	Homog.
Color:	Black	Black
Texture:	Resinous	Resinous
Description:	Roofing	Roofing
SAMPLE PREP		
Starting Weight (g):	0.2035	0.3268
Residue Weight (g):	0.0179	0.0022
Weight Percent Residue:	8.80	0.67
PERCENT ASBESTOS DETECTED IN RESIDUE		
Chrysotile:	30	ND
Grunerite:	0	ND
Crocidolite:	0	ND
Actinolite-Tremolite:	0	ND
Anthophyllite:	0	ND
TOTAL IN RESIDUE	30.0	ND
ASBESTOS PERCENT IN SAMPLE		
	2.6	ND

ND = None Detected

TRACE = <1%

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


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-340	Page 1 of 10	
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH	Price Code 9K	Data Turnaround 7 Days
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040				
Ice Chest No. Fed Ex Box		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express		
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080037		Bill of Lading/Air Bill No. See OSCP				
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Asbestos & Be</i>			Preservation	None				
Special Handling and/or Storage			Type of Container	G/P				
			No. of Container(s)	1				
			Volume	5g				
				Asbestos-BULK-EPA				
SAMPLE ANALYSIS 07-A-6728								
Sample No.	Matrix *	Sample Date	Sample Time					
J162V3 39413	OTHER SOLID	11-26-07	0939					
J162V4 39414	OTHER SOLID	↓	0942					
J162V5 39415	OTHER SOLID		0945					
J162V6 39416	OTHER SOLID		0948					
J162V7 39417	OTHER SOLID		0951					
CHAIN OF POSSESSION			Sign/Print Names		SPECIAL INSTRUCTIONS			Matrix *
Relinquished By/Removed From		Date/Time	Received By/Stored In		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00			<ul style="list-style-type: none"> S=Soil SE=Sediment SO=Solid Sl=Sledge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Trace W/Wipe L=Liquid V=Vegetation X=Other
<i>MT Stankovich</i>		11/24/07	<i>Bill Stankovich</i>		11/26/07 1030			
<i>Bill Stankovich</i>		11/26/07 1500	FED. EX					
			<i>[Signature]</i>		11/27/07			
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time			
Relinquished By/Removed From		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		

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-339		Page 4 of 10														
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days														
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040																		
Ice Chest No. Fed Ex Box		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express																
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A 080057		Bill of Lading/Air Bill No. See OSPC																		
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be Special Handling and/or Storage				Preservation	None																	
				Type of Container	GP																	
				No. of Container(s)	1																	
				Volume	5g																	
SAMPLE ANALYSIS 6729				Asbestos-BULK-EPA																		
Sample No.	Matrix *	Sample Date	Sample Time																			
J162K7 J162K8 J162K9 J162L0 J162L1	J162V8 39419 39420 39421 39422	OTHER SOLID OTHER SOLID OTHER SOLID OTHER SOLID OTHER SOLID	11-26-07 11-26-07 ↓ 0803 0806 0809	0954 0800 X X X X	X X X X X	39418																
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS				Matrix *										
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00				<ul style="list-style-type: none"> S=Soil SE=Sediment SO=Solid Sl=Sediment W=Water O=Oil A=Air DS=Dry Solids DL=Dry Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other 										
MT Stankovich		11-26-07 1030		MT Stankovich		11-26-07 1030																
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time																
MT Stankovich		11-26-07 1500		FED EX		11-27-07																
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time																
Relinquished By/Removed From		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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Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040					
Ice Chest No. Fed Ex Box		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080037		Bill of Lading/Air Bill No. See OSPC					
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be		Preservation		None					
Special Handling and/or Storage		Type of Container		G/P					
		No. of Container(s)		1					
		Volume		5g					
SAMPLE ANALYSIS				Asbestos-BULK-EPA					
		6729							
Sample No.	Matrix *	Sample Date	Sample Time						
J162L2 39423	OTHER SOLID	11-26-07	0812	X					
J162L3 39424	OTHER SOLID	↓	0815	X					
J162L4 39425	OTHER SOLID		0818	X					
J162L5 39426	OTHER SOLID		0821	X					
J162L6 39427	OTHER SOLID		0824	X					
CHAIN OF POSSESSION			Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00		S=Soil SE=Settlement SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum L. liquids T=Tissue W1=Wipe L=Liquid V=Vegetation X=Other
MT Stankovich		11/26/07 1030	MT Stankovich		11-26-07 1030				
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time				
MT Stankovich		11-26-07 1500	FED EX						
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time				
MT Stankovich			MT Stankovich		11/27/07				
Relinquished By/Removed From		Date/Time	Received By/Stored In		Date/Time				
Relinquished By/Removed From		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			

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-339		Page 6 of 10													
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days													
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040																	
Ice Chest No. Fed Ex Box		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express															
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080037		Bill of Lading/Air Bill No. See OSPC																	
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Asbestos & Be</i> Special Handling and/or Storage				Preservation	None																
				Type of Container	GP																
				No. of Container(s)	1																
				Volume	5g																
SAMPLE ANALYSIS 6729				Asbestos- BULK-EPA																	
				Sample No.		Matrix *	Sample Date	Sample Time													
J162L7	39428	OTHER SOLID	11-26-07	0827	X																
J162L8	39429	OTHER SOLID	↓	0830	X																
J162L9	39430	OTHER SOLID		0833	X																
J162M0	39431	OTHER SOLID		0836	X																
J162M1	39402	OTHER SOLID		0839	X																
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS				Matrix *									
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00				<ul style="list-style-type: none"> S=Soil SE=Softness SO=Solid SL=Sludge W = Water O=Oil A=Air DS=Drawn Solids DL=Drawn Liquids T=Tissue W=Wipe L=Liquid V=Vegetation X=Other 									
MZL M Stankovich		11/26/07 1030		M Stankovich		11-26-07 1030															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
MZL M Stankovich		11-26-07 1500		FED EX																	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
						11/27/07															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
Relinquished By/Removed From		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													

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST					RC-040-339		Page 2 of 10				
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K		Data Turnaround 7 Days			
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040									
Ice Chest No. Fed Ex Box		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express							
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080037		Bill of Lading/Air Bill No. See OSPC									
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Asbestos & Be</i>				Preservation	None								
Special Handling and/or Storage				Type of Container	G/P								
				No. of Container(s)	1								
				Volume	5g								
SAMPLE ANALYSIS 6729				Asbestos-BULK-EPA									
Sample No.	Matrix *	Sample Date	Sample Time										
J162M2	39433 OTHER SOLID	11-26-07	0842	X									
J162M3	39434 OTHER SOLID		0845	X									
J162M4	39435 OTHER SOLID		0848	X									
J162M5	39436 OTHER SOLID		0851	X									
J162M6	39437 OTHER SOLID		0854	X									
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS				Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Dry Solids DL=Dry Liquids T=Time WJ=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From		Date/Time	1630	Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00					
MT Stankovich		Date/Time	11/26/07	MT Stankovich		11-26-07 1030							
Relinquished By/Removed From		Date/Time	1630	Received By/Stored In		Date/Time							
MT Stankovich		Date/Time	11-26-07 1500	FED EX									
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time							
MT Stankovich		Date/Time		MT Stankovich		11/27/07							
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time							
Relinquished By/Removed From		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					

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-339		Page 1 of 10													
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days													
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040																	
Ice Chest No. Fed Ex Box		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express															
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A 080037		Bill of Lading/Air Bill No. See OSPC																	
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Asbestos & Be</i> Special Handling and/or Storage			Preservation	None																	
			Type of Container	G/P																	
			No. of Container(s)	1																	
			Volume	5g																	
SAMPLE ANALYSIS 6729			Asbestos-BULK-EPA																		
Sample No.	Matrix *	Sample Date	Sample Time																		
J162M7 39438	OTHER SOLID	11-26-07	0857	X																	
J162M8 39439	OTHER SOLID	↓	0900	X																	
J162M9 39440	OTHER SOLID		0903	X																	
J162N0 39441	OTHER SOLID		0906	X																	
J162N1 39442	OTHER SOLID		0909	X																	
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS						Matrix *							
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00						S=Soil SE=Soil/mud SO=Solid SI=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WJ=Wipe L=Liquid V=Vegetative X=Other							
MUI MS Stankovich		11/26/07 1030		MT Stankovich		11/26/07 1030															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
MT Stankovich		11-26-07 1500		FER EX																	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
Relinquished By/Removed From		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											

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST					RC-040-339		Page 2 of 10			
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K		Data Turnaround 7 Days		
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040								
Ice Chest No. Fed Ex Box		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express						
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080037		Bill of Lading/Air Bill No. See OSPC								
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be				Preservation	None							
Special Handling and/or Storage				Type of Container	GP							
				No. of Container(s)	1							
				Volume	5g							
SAMPLE ANALYSIS 6729				Asbestos-BULK-EPA								
Sample No.	Matrix *	Sample Date	Sample Time									
J162N2 39443	OTHER SOLID	11-26-07	0912	X								
J162N3 39444	OTHER SOLID	↓	0915	X								
J162N4 39445	OTHER SOLID		0918	X								
J162N5 39446	OTHER SOLID		0921	X								
J162N6 39447	OTHER SOLID		0924	X								
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS				Matrix *
Relinquished By/Removed From		Date/Time 1030		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00				S=Soil SB=Sediment SO=Solid SL=Sledge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue Wl=Wipe L=Liquid V=Vegetation X=Other
MT Stankovich		11/26/07		KID Singh		11-26-07 1030						
Relinquished By/Removed From		Date/Time 1500		Received By/Stored In		Date/Time						
MT Stankovich		11-26-07 1500		FEDEX								
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time						
MT Stankovich				J. W. O.		11/27/07						
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time						
Relinquished By/Removed From		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				

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-339		Page 10 of 10											
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days											
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040															
Ice Chest No. Fed Ex Box		Field Logbook No. EL-1518-9		COA See below		Method of Shipment Federal Express													
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080037		Bill of Lading/Air Bill No. See OSPC															
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be				Preservation	None														
Special Handling and/or Storage				Type of Container	GP														
				No. of Container(s)	1														
				Volume	5g														
SAMPLE ANALYSIS				Asbestos-BULK-EPA															
				6729															
Sample No.	Matrix *	Sample Date	Sample Time																
J162N7 35448	OTHER SOLID	11-26-07	0927																
J162N8 39449	OTHER SOLID	}	0930																
J162N9 39450	OTHER SOLID		0933																
J162P0 39451	OTHER SOLID		0936																
J162U98452	other solid		0957																
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS						Matrix *					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00						S=Soil SS=Soilment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drym Solids DL=Drym Liquids T=Tissue Wl=Wtgc L=Liquid V=Vegetation X=Other					
MTC MStankovich		11/26/07 1030		BStankovich		11-26-07 1030													
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time													
BStankovich		11-26-07 1500		FED EX															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time													
						11/27/07													
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time													
Relinquished By/Removed From		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									